# APPENDIX A

# BORING LOGS

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 300 |
| PROJECT NO.: | N1369 | | | START DATE: | 12/4/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: | LJD | COMPLETION: DATE: | 12/4/03 |
| DRILLED BY (Company/Driller): | ADT/ S. Przybylski | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Infield ground surface | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 2' / 2' | SBP-SO-300-0002 Screening and confirmation 12/4/03 @ 0903 | | Loose | Red - Brown | SAND – trace silt (fine sand, poorly graded) | SP/Fill | Dry; Frozen at surface | FID = 0.0 PID = 0.0 |
| 1 | | | | | | | | | | |
| | | | | | | Tan | SAND – fine sand, poorly graded | | Dry Soil, no visible bedding | |
| 2 | | | | | | | | | | |
| | | 2' / 2' | SBP-SO-300-0204 Screening only 12/4/03 @ 0907 | | | Brown-Black | SAND – Some gravel, mostly fine sand, some coarse subrounded gravel to 1 in. diameter | | Damp at surface (approximately 2 inches) no visible bedding | FID = 0.0 PID = 0.0 |
| 3 | | | | | | | | | | |
| | | | | | | | | | Dry soil | |
| 4 | | | | | | | Quartz pebble (crushed) | | | |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – 4 X 4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | Direct - Push | | |
| METHOD OF SOIL SAMPLING: | Macro – Core open tube continuous to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I, Flag No = 566. Former Landfill area, no man-made debris visible | BORING NO.: 300 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 300A |
| PROJECT NO.: | N1369 | START DATE: | 2/2/04 |
| LOGGED BY: | Neb Dedic | COMPLETION: DATE: | 2/2/04 |
| DRILLED BY (Company/Driller): | AQUIFER DRILLING & TESTING/ D. Gooley | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JL |

TRANSCRIBED BY: DH

ELEVATION FROM:

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Refer to Boring Log Number 300 for soil profile details from 0' to 4' | | | |
| 4 | | | | | | | | | | |
| | | 2.0' / 2.0' | SBP-SO-300A-0406 | | Soft | Gray/Black | Sand and silt, trace gravel/fill materials | SW | Moist, organic odor | FID=598 PID=4.4 |
| 5 | | | 2/2/04 @ 1410 | | | Black | Similar to above, more silty (6") | | | |
| | | | | | | Gray/Black | Sand with silt, trace gravel/fill | | | |
| 6 | | | | | | | | | | |
| | | 1.2' / 2.0' | SBP-SO-300A-0608 | | | | | | Moist, wood chips, Metal pieces | FID=1120 PID=0.0 |
| 7 | | | 2/2/04 @ 1425 | | | | | | | |
| 8 | | | | | | | | | Bottom wet, rock fragments | |
| | | | | EOB @ 8' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE- 4x4 Mule |
| METHOD OF ADVANCING BORING: | DIRECT – PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | Approximately 8' |
| OTHER OBSERVATIONS: | Phase II Flag number 566 |

BORING NO.: 300A

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 301 |
| PROJECT NO.: | N1369 | START DATE: | 12/4/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: LJD | COMPLETION: DATE: 12/4/03 |
| DRILLED BY (Company/Driller): | ADT/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Ballfield Surface (infield) | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | SBP-SO-301-0002 | | | Red - | | SP/Fill | Dry; Frozen at surface | FID = 0.0 |
| | | | Screening Only | | Loose | Brown | SAND – trace silt, fine grained, poorly graded | | | PID = 0.0 |
| 1 | | | 12/4/03 @ 0946 | | | Black - | SAND – some gravel, fine grained, poorly graded | | | |
| | | 2' / 2' | | | | Brown | Similar to above, with coarse subrounded gravel to 1" diameter | | | |
| 2 | | | | | | | | | | PID = 0.0 FID = 0.0 |
| | | | SBP-SO-301-0204 | | | | | | Dry | |
| | | | Screening Only | | | | Similar to above, with fine-medium grained, trace coarse sand, poorly graded | | | |
| 3 | | | 12/4/03 @ 0950 | | | | | | | |
| | | 2' / 2' | | | | | | | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite and topsoil (0-1') | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GeoProbe –4 X 4 Mule |
| METHOD OF ADVANCING BORING: | Direct - Push |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous to 4' in 2; intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | Not encountered |
| OTHER OBSERVATIONS: | Phase I. Flag No. 567; former landfill area, fill soils (historically) |

BORING NO.: 301

Tetra Tech NUS, Inc.



TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 302 |
| PROJECT NO.: | N1369 | | | START DATE: | 12/4/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: | LJD | COMPLETION: DATE: | 12/4/03 |
| DRILLED BY (Company/Driller): | ADT/S. Przybylski | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Ballfield (infield) | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | SBP-SO-302-0002 | | Loose | Red - Brown | SAND – trace silt, fine sand, poorly graded | SP/Fill | Dry; Frozen at surface | FID = 0.0 PID = 0.0 |
| 1 | | | Screening Only 12/4/03 | | | Tan | | | | |
| | | 2' / 2' | | | | | SAND – fine sand, poorly graded, 1 seashell | | | |
| 2 | | | | | | | | | | |
| | | | SBP-SO-302-0204 | | | | | | Moist sand | PID = 0.0 FID = 0.0 |
| 3 | | | Screening Only 12/4/03 | | Dense | Black | SILT, organic roots, fibers | OL/Fill | Moist silt | |
| | | 2' / 2' | | | | | | | | |
| 4 | | | | | Loose | | SAND – some gravel, fine-medium sand, trace coarse sand, coarse subrounded gravel to 1.25" diameter | SP/Fill | Dry | PID = 0.0 FID = 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite(4' – 1') and topsoil (1'-0') | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GeoProbe –4 X 4 Mule | FID = A | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | Direct - Push | PID = A | |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous to 4' in 2; intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Not encountered | | |
| OTHER OBSERVATIONS: | Phase I. Flag No. 540; former landfill area, fill soils (historically) | BORING NO.: 302 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 303 |
| PROJECT NO.: | N1369 | START DATE: | 12/4/03 |
| LOGGED BY: | K. Jalkut | COMPLETION: DATE: | 12/4/03 |
| DRILLED BY (Company/Driller): | ADT/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JL |

TRANSCRIBED BY: LJD

ELEVATION FROM:

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Ballfield (infield) | | | |
| | | | SBP-SO-303-0002 | | | Red - Brown | SAND – trace silt , fine sand, poorly graded | SP/Fill | Dry; Frozen at surface | FID = 0.0<br>PID = 0.0 |
| | | | Screening Only | | | | | | | |
| 1 | | | 12/4/03 @ 1020 | | Loose | Tan | SAND – fine sand, poorly graded | | | |
| | | 2' / 2' | | | | | | | No visible bedding | FID = 0.0<br>PID = 0.0 |
| 2 | | | | | | | | | | |
| | | | SBP-SO-303-0204 | | | | | | | |
| | | | Screening Only | | | | | | | |
| 3 | | | 12/4/03 @ 1030 | | | | | | | |
| | | 2' / 2' | | | | | SAND – similar to above with seashell fragments (oyster and mussel) | | Moist – visible mica flakes | FID = 0.0<br>PID = 0.0 |
| 4 | | | | | Dense | Black | SAND – some gravel, fine-medium sand, trace coarse sand, poorly graded, coarse subround gravel to ¾ in. | SP/Fill | | PID = 0.0<br>FID = 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite (4' – 1') and topsoil (1'-0') | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GeoProbe –4 X 4 Mule |
| METHOD OF ADVANCING BORING: | Direct - Push |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous to 4' in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | Not encountered |
| OTHER OBSERVATIONS: | Phase I. Flag No. 568; former landfill area, fill soils (historically) |

BORING NO.: 303

*Tetra Tech NUS, Inc.*

PAGE: 1 OF 1

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 304 |
| PROJECT NO.: | N1369 | START DATE: | 12/4/03 |
| LOGGED BY: | K. Jalkut | COMPLETION: DATE: | 12/4/03 |
| DRILLED BY (Company/Driller): | ADT/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JL |

TRANSCRIBED BY: LJD

ELEVATION FROM:

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | Ballfield (infield) | | | |
| | | | SBP-SO-304-0002 | | Frozen | Red - Brown | SAND – fine sand, trace silt, poorly graded | SP/Fill | Dry; Frozen at surface | FID = 0.0<br>PID = 0.0 |
| 1 | | | Screening Only<br>12/4/03 @ 1040 | | | Tan | SAND – fine sand, poorly graded | | | FID = 0.0<br>PID = 0.0 |
| 2 | | 2' / 2' | | | Loose | | | | | |
| 3 | | | SBP-SO-304-0204<br>Screening Only<br>12/4/03 @ 1045 | | | | Similar to above, with seashells (oyster) | | Dry | |
| 4 | | 2' / 2' | | | Dense | Black | SILT – some fine sand, poorly graded, organic roots and fiberous material | OL/Fill | Wet (fines) | FID = 0.0<br>PID = 0.0 |
| | | | | | | | SAND – some gravel, fine-medium sand, trace coarse SAND, coarse subrounded gravel to 1' diameter. | SP/Fill | Dry | PID = 0.0<br>FID = 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite(4' – 1') and topsoil (1'-0') | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GeoProbe –4 X 4 Mule |
| METHOD OF ADVANCING BORING: | Direct - Push |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous to 4' in 2; intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | Not encountered |
| OTHER OBSERVATIONS: | Phase I. Flag No. 542; former landfill area, all fill soils historically, no man made debris visible |

BORING NO.: 304

Tetra Tech NUS, Inc.



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 305 |
| PROJECT NO.: | N1369 | START DATE: | 12/4/03 |
| LOGGED BY: | K. Jalkut | COMPLETION: DATE: | 12/4/03 |
| DRILLED BY (Company/Driller): | ADT/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JL |
| TRANSCRIBED BY: | LJD | | |
| ELEVATION FROM: | | | |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Ballfield (infield) | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | SBP-SO-305-0002 | | | Red - Brown | SAND – trace silt; fine-medium sand, poorly graded | SP/Fill | Dry; Frozen at surface | FID = 0.0<br>PID = 0.0 |
| 1 | | | Screening Only<br>12/4/03 @ 1050 | | Loose | Tan | SAND – fine sand, poorly graded | | Dry | FID = 0.0<br>PID = 0.0 |
| 2 | | 2' / 2' | | | | Black-Brown | SAND, some gravel; fine-medium sand, trace coarse sand, coarse gravel subrounded and subangular to 1.25" in diameter | | Dry | FID = 0.0<br>PID = 0.0 |
| 3 | | | SBP-SO-305-0204<br>Screening Only<br>12/4/03 @ 1100 | | | Red-brown | SAND, fine sand, trace medium sand, poorly graded | | | PID = 0.0<br>FID = 0.0 |
| 4 | | | | | Dense | Black | SAND – some GRAVEL, fine-coarse sand, fine-coarse gravel-subangular to 1" in diameter | SW/Fill | Petroleum-like odor (olfactory evidence)<br>Dry | FID = 0.0<br>PID = 0.0 |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GeoProbe –4 X 4 Mule |
| METHOD OF ADVANCING BORING: | Direct - Push |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous to 4' in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | Not encountered |
| OTHER OBSERVATIONS: | Phase I. Flag No. 541; former Landfill area, fill soils historically |

BORING NO.: 305

Tetra Tech NUS, Inc.



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 306 |
| PROJECT NO.: | N1369 | START DATE: | 12/4/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: LJD | COMPLETION: DATE: 12/4/03 |
| DRILLED BY (Company/Driller): | ADT/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Ballfield (outfield – grass surface) | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | SBP-SO-306-0002 | | | Red - | SAND – trace silt, mostly fine sand, some medium sand, poorly | SP/Fill | Root plug = approximately | FID = 0.0 |
| | | | Screening Only | | Loose | Brown | graded, organic roots/grass | | 6 inch | PID = 0.0 |
| 1 | | | 12/4/03 @ 1125 | | | | | | Damp surface material | |
| | | 1.9 / 2' | | | | Tan | SAND – fine sand, poorly graded | | Dry | FID = 0.0 |
| 2 | | | | | | | | | | PID = 0.0 |
| | | | SBP-SO-306-0204 | | | | | | | |
| | | | Screening Only | | | | | | Moist (Fines) | |
| 3 | | | 12/4/03 @ 1130 | | Dense | Black | Organic SILT – Silt with organic fibers and root material | OL | | FID = 0.0 PID = 0.0 |
| | | 2' / 2' | | | | | | | Dry – crumbly | |
| 4 | | | | | | | SAND – some gravel, fine-coarse sand, fine-coarse gravel to ¾" diameter, subrounded. | SW | | FID = 0.0 PID = 0.0 |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – 4 X 4 Mule |
| METHOD OF ADVANCING BORING: | Direct - Push |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous to 4' in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | Not encountered |
| OTHER OBSERVATIONS: | Phase I. Flag No. 559; former landfill area, fill soils (historically) |

BORING NO.: 306

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 307 |
| PROJECT NO.: | N1369 | START DATE: | 12/4/03 |
| LOGGED BY: | K. Jalkut | COMPLETION: DATE: | 12/4/03 |
| DRILLED BY (Company/Driller): | ADT/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JL |

TRANSCRIBED BY: LJD

ELEVATION FROM:

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | Ballfield (outfield – grass surface) | | | |
| | | | SBP-SO-307-0002 | | Loose | Red - Brown | SAND – some silt, fine sand, some medium sand, grass, roots, 1 piece of gravel | SP/Fill | Grass plug/roots = approximately 6 inch | FID = 0.0<br>PID = 0.0 |
| 1 | | | Screening Only<br>12/4/03 @ 1145 | | | Tan | SAND - fine sand, poorly graded | SP/Fill | Dry | FID = 0.0<br>PID = 0.0 |
| 2 | | 1.9' / 2' | | | | | | | | |
| 3 | | | SBP-SO-307-0204<br>Screening Only<br>12/4/03 @ 1150 | | Dense<br>Loose | Black<br>Tan | Organic SILT – Silt with organic fibers<br>SAND – fine sand, poorly graded | OL<br>SP | Saturated at 2.1' | FID = 0.0<br>PID = 0.0<br>FID = 0.0<br>PID = 0.0 |
| 4 | | 1.9' / 2' | | | Dense | Black | SILT (organic) – with fibers (roots, reeds)<br>SAND – some silt, some gravel; fine-medium sand, silt with organic fibers, coarse gravel to ¾" diameter | OL<br>SP | | FID = 0.0<br>PID = 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite(4' – 1') and topsoil (1'-0') | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – 4 X 4 Mule |
| METHOD OF ADVANCING BORING: | Direct - Push |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous to 4' in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | Saturated at approximately 2.1' |
| OTHER OBSERVATIONS: | Phase I. Flag No. 538; former landfill area, fill soils (historically) |

BORING NO.: 307

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 308 |
| PROJECT NO.: | N1369 | START DATE: | 12/4/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: LJD | COMPLETION: DATE: 12/4/03 |
| DRILLED BY (Company/Driller): | ADT/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Ballfield (outfield – grass surface) | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | SBP-SO-308-0002 | | Loose | Red - Brown | SILTY SAND – trace gravel; fine-medium sand, fine subrounded gravel to ½" diameter, poorly graded | SM/Fill | Dry; root material = approximately 6 inches | FID = 0.0 PID = 0.0 |
| 1 | | | Screening Only 12/4/03 @ 1200 | | | Tan | SAND - fine sand, poorly graded | SP/Fill | | FID = 0.0 PID = 0.0 |
| 2 | | 1.9' / 2' | | | | | | | | |
| 3 | | | SBP-SO-308-0204 Screening Only 12/4/03 @ 1205 | | Dense Loose | Black Tan | SAND – fine sand, oyster shell fragments SILTY SAND – fine sand, mica flakes, silt SILT – organic silt, roots, fibers (organic) SAND – fine sand, poorly graded | SP/Fill SM OL SP | Saturated at 2.1' Squishy, processed material? | FID = 0.0 PID = 0.0 FID = 0.0 PID = 0.0 |
| 4 | | 1.9' / 2' | | | Dense | Brown | SILT – fines with glass and unidentified material (fill), quartz pebbles | SM/Fill | Glass Shards – hardened material | FID = 0.0 PID = 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite (4' – 1') and topsoil (1'-0') | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – 4 X 4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | Direct - Push | | |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Saturated at approximately 2.1' | | |
| OTHER OBSERVATIONS: | Phase I. Flag No. 565; former landfill area, fill soils (historically) | BORING NO.: 308 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 309 |
| PROJECT NO.: | N1369 | | | START DATE: | 12/4/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: | LJD | COMPLETION: DATE: | 12/4/03 |
| DRILLED BY (Company/Driller): | ADT/S. Przybylski | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | Ballfield (outfield – grass surface) | | | |
| | | | SBP-SO-309-0002 | | Loose | Red - Brown | SILTY SAND – grass, roots | SM/Fill | Dry; plug = approximately 6 inch | FID = 0.0 PID = 0.0 |
| 1 | | | Screening Only 12/4/03 @ 1220 | | | | SAND - fine sand, poorly graded | SP/Fill | | |
| | | 1.8' / 2' | | | | Tan | | | | FID = 0.0 PID = 0.0 |
| 2 | | | | | | | | | | |
| | | | SBP-SO-309-0204 | | | | | | Saturated at 2.3' | |
| 3 | | | Screening Only 12/4/03 @ 1230 | | | | | | | |
| | | 2' / 2' | | | | Black | SILTY SAND – possible processed waste | SM/Fill | Mica, shiny Squishy | FID = 0.0 PID = 0.0 |
| 4 | | | | | Dense | Brown | SILT with organic fibers and reeds | OL | | FID = 0.0 PID = 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite (4' – 1') and topsoil (1'-0') | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – 4 X 4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | Direct - Push | | |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Saturated at approximately 2.3' | | |
| OTHER OBSERVATIONS: | Phase I. Flag No. 564; former landfill area, fill soils (historically) | BORING NO.: 309 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 310 |
| PROJECT NO.: | N1369 | START DATE: | 12/4/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: LJD | COMPLETION: DATE: 12/4/03 |
| DRILLED BY (Company/Driller): | ADT/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Ballfield (outfield) | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | SBP-SO-310-0002 | | Loose | Red - Brown | SILTY SAND – fine-medium sand, poorly graded, grass, organic roots | SM/Fill | Dry; root material, grass plug = approximately 6 inch | FID = 0.0 PID = 0.0 |
| 1 | | | Screening Only 12/4/03 @ 1240 | | | Tan | SAND - fine sand, poorly graded, oyster shells | SP/Fill | | |
| | | 1.8' / 2' | | | | | | | | FID = 0.0 PID = 0.0 |
| 2 | | | | | | | | | | |
| | | | SBP-SO-310-0204 | | | | | | Saturated at 2.1' | |
| 3 | | | Screening Only 12/4/03 @ 1245 | | Dense | Black | ORGANIC SILT – silt with organic fibers and reeds | | | FID = 0.0 PID = 0.0 |
| | | 2' / 2' | | | Loose | | SILTY SAND – processed waste?, fine-medium sand, trace coarse sand, glass shards to 1.25" | SM/Fill | Long fibers (man-made?) Fiber Board/Cardboard fill materials, Gaskets? "Teen cave" on material | FID = 0.0 PID = 0.0 |
| 4 | | | | | Loose Fill | Tan Black | SAND – fine sand, poorly graded FILL MATERIAL – layers (approximately 1mm thick) | OL | | FID = 0.0 PID = 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite(4' – 1') and topsoil (1'-0') | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – 4 X 4 Mule | | *Tetra Tech NUS, Inc.* |
| METHOD OF ADVANCING BORING: | Direct - Push | | |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Saturated at approximately 2.1' | | |
| OTHER OBSERVATIONS: | Phase I. Flag No. 587; former Landfill area, reworked material | BORING NO.: 310 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 311 |
| PROJECT NO.: | N1369 | START DATE: | 12/4/03 |
| LOGGED BY: | K. Jalkut | COMPLETION: DATE: | 12/4/03 |
| DRILLED BY (Company/Driller): | ADT/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JL |

TRANSCRIBED BY: LJD

ELEVATION FROM:

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | Ballfield (outfield – grass surface) | | | |
| | | | SBP-SO-311-0002 | | Loose | Red - Brown | SILTY SAND – fine-medium sand, grass, organic roots, poorly graded | SM/Fill | Dry | FID = 0.0<br>PID = 0.0 |
| 1 | | | Screening Only<br>12/4/03 @ 1300 | | | | | | | |
| | | 2' / 2' | | | | Tan | SAND - fine sand, poorly graded, oyster shells | SP/Fill | Dry | FID = 0.0<br>PID = 0.0 |
| 2 | | | | | | Black / gray | SILTY SAND – fines with sand intervals, layered sand and possible waste (<1 mm thick) | SM/SP | Spongy/squishy-Does not feel like soil. | FID = 0.0<br>PID = 0.0 |
| | | | SBP-SO-311-0204 | | | Tan | SAND – fine sand, poorly graded | SP | Saturated sands at 2.1' | FID = 0.0<br>PID = 0.0 |
| 3 | | | Screening Only<br>12/4/03 @ 1305 | | Dense | Black | SILTY SAND – some gravel, fine-medium sand, trace coarse sand, coarse gravel to 1" | SM/GM | | FID = 0.0<br>PID = 0.0 |
| | | 2' / 2' | | | Loose | Tan | SAND – fine sand, poorly graded | SP | Dry | FID = 0.0<br>PID = 0.0 |
| 4 | | | | | | | SAND – some gravel, fine-medium sand, subrounded coarse gravel to 1" | SP/GP | | FID = 0.0<br>PID = 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite(4' – 1') and topsoil (1'-0') | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – 4 X 4 Mule |
| METHOD OF ADVANCING BORING: | Direct – Push |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous to 4' in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | Saturated at approximately 2.1' (sands) |
| OTHER OBSERVATIONS: | Phase I. Flag No. 586; former Landfill area |

BORING NO.: 311

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 312 |
| PROJECT NO.: | N1369 | START DATE: | 12/4/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: LJD | COMPLETION: DATE: 12/4/03 |
| DRILLED BY (Company/Driller): | ADT/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | Ballfield (outfield – grass surface) | | | |
| | | | SBP-SO-312-0002 | | Loose | Red - Brown | SILTY SAND – fine-medium sand, 1 piece coarse gravel to 1", subrounded | SM/Fill | Dry; grass plug = approximately 6" | FID = 0.0 PID = 0.0 |
| 1 | | | Screening Only 12/4/03 @ 1315 | | | Tan | SAND – fine sand, poorly graded, oyster shells | SP/Fill | | |
| | | 2' / 2' | | | | | | | Dry | FID = 0.0 PID = 0.0 |
| 2 | | | | | | | | | | |
| | | | SBP-SO-312-0204 | | Dense | Black | SILTY SAND matrix – possible waste with long fibers (man made) | Fill | Saturated fines (sands) at 2.2' | FID = 0.0 PID = 0.0 |
| 3 | | | Screening Only 12/4/03 @ 1320 | | Loose | Black/brown | SAND and GRAVEL – some silt, fine-coarse sand, fine-coarse gravel 0.5" to 1.25" - subrounded | SM/GM | Spongy non soil like | FID = 0.0 PID = 0.0 |
| | | 1.8' / 2' | | | | | SAND – fine-medium sand, poorly graded, glass shards to ¼" | SP | | FID = 0.0 PID = 0.0 |
| 4 | | | | | | Brown | | | Dry | |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite(4' – 1') and topsoil (1'-0') | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – 4 X 4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | Direct - Push | | |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Saturated at approximately 2.2' (fine sands) | | |
| OTHER OBSERVATIONS: | Phase I. Flag No. 588; former Landfill area | BORING NO.: 312 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 313 |
| PROJECT NO.: | N1369 | START DATE: | 12/4/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: LJD | COMPLETION: DATE: 12/4/03 |
| DRILLED BY (Company/Driller): | ADT/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Ballfield (outfield – grass surface) | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | SBP-SO-313-0002 | | Loose | Red - Brown | SILTY SAND – trace gravel, roots Fine-medium sand, poorly graded, coarse gravel to ¾" subrounded | SM/Fill | Dry; grass/root plug = approximately 6" | FID = 0.0 PID = 0.0 |
| 1 | | | Screening Only 12/4/03 @ 1510 | | | | | | | |
| | | 2' / 2' | | | | Brown Black | SAND – trace gravel; fine-medium sand, poorly graded, fine gravel to 3/4" subrounded | SP/Fill | Dry | FID = 0.0 PID = 0.0 |
| 2 | | | | | | Tan | Similar to above; Fine sand, poorly graded, trace quartz, gravel pieces (2) | | Metal debris | |
| | | | SBP-SO-313-0204 | | | | SAND – trace gravel; Fine-medium SAND, poorly graded, trace fine-course gravel, ½ - ¾" subrounded, with quartz pebbles also | | | FID = 0.0 PID = 0.0 |
| 3 | | | Screening Only 12/4/03 @ 1515 | | | | | SP/Fill | | |
| | | 1.9' / 2' | | | | | | | | |
| 4 | | | | | | | Glass shards to ½ in. in diameter, metal debris | | Fill debris = glass | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – 4 X 4 Mule |
| METHOD OF ADVANCING BORING: | Direct - Push |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous to 4' in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | Not Encountered |
| OTHER OBSERVATIONS: | Phase I. Flag No. 629; former Landfill area |

BORING NO.: 313

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 314 |
| PROJECT NO.: | N1369 | | | START DATE: | 12/4/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: | LJD | COMPLETION: DATE: | 12/4/03 |
| DRILLED BY (Company/Driller): | ADT/S. Przybylski | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | Ballfield (outfield – grass surface) | | | |
| | | | SBP-SO-314-0002 | | Loose | Red - Brown | SILTY SAND – trace gravel; fine-medium sand, poorly graded, trace coarse sand, organic roots | SM/Fill | Dry; grass/root plug = approximately 4" | FID = 0.0 PID = 0.0 |
| 1 | | | Screening Only 12/4/03 @ 1520 | | | | | | | |
| | | 2' / 2' | | | | Tan | SAND – trace gravel, fine-medium sand, poorly graded, trace coarse sand, glass shards to ½" | SP/Fill | | FID = 0.0 PID = 0.0 |
| 2 | | | | | | Black | SAND- Fine sand, poorly graded, gravel similar to above Waste FILL – fiber boards, green material, glass, processed material | | | FID = 0.0 PID = 0.0 |
| | | | SBP-SO-314-0204 | | | Tan | SAND – trace gravel, fine-medium sand, poorly graded, subrounded fine-gravel to ½" | | | |
| 3 | | | Screening Only 12/4/03 @ 1525 | | Dense | Black | Waste FILL –possible cellulose/fiberboard multi-colored, sand sized material, glass, possible metal tile pieces, plastic | | Possible processed waste | FID = 41 PID = 0.0 |
| | | 1.6' / 2' | | | | | | | | |
| 4 | | | | | | | | | | FID = 142 PID = 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite(4' - 1') and topsoil (1'- 0') | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – 4 X 4 Mule | Note: PID = A FID = Flame out – replace with FID B | *Tetra Tech NUS, Inc.* |
| METHOD OF ADVANCING BORING: | Direct - Push | | |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Not Encountered | | |
| OTHER OBSERVATIONS: | Phase I. Flag No. 630; former Landfill area | BORING NO.: 314 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 315 |
| PROJECT NO.: | N1369 | | | START DATE: | 12/4/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: | LJD | COMPLETION: DATE: | 12/4/03 |
| DRILLED BY (Company/Driller): | ADT/S. Przybylski | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | Ballfield (outfield – grass surface) | | | |
| | | | SBP-SO-315-0002 | | | Red - | SILTY SAND – trace gravel – roots; fine-medium sand, trace | SM/Fill | Dry; no visible grass plug | FID = 0.2 |
| | | | Screening and | | Loose | Brown | coarse sand, poorly graded, angular fine gravel to ½" | | Frozen ground | PID = 0.0 |
| 1 | | | Confirmation | | | | | | | |
| | | | 12/4/03 @ 1535 | | | | | | | |
| | | 1.1' / 2' | | | | | wood chunk at 1.1' (approximately 2.5" in length) | | Partial recovery – refusal on wood | |
| 2 | | | | | | | | | | |
| | | | SBP-SO-315-0204 | | Loose | Tan | SAND – fine-medium sand, poorly graded | SP | | |
| | | | Screening Only | | | | | | | |
| 3 | | | 12/4/03 @ 1540 | | Tight | Gray/black | Fine sand, poorly graded | | Possible Chemical odor | FID = 20 |
| | | 1.4' / 2' | | | | | | | | PID = 0.0 |
| | | | | | | | | | Damp only | FID = 15 |
| | | | | | | | | | | PID = 0.0 |
| 4 | | | | | | | Similar to above, with newspaper, glass, metal | | | FID = 5 |
| | | | | | | | | | | PID = 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs- Backfill with Bentonite(4' – 1') and topsoil (1'-0') | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – 4 X 4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | Direct - Push | | |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Not Encountered | | |
| OTHER OBSERVATIONS: | Phase I. Flag No. 656; former Landfill area | BORING NO.: 315 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 316 |
| PROJECT NO.: | N1369 | START DATE: | 12/4/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: LJD | COMPLETION: DATE: 12/4/03 |
| DRILLED BY (Company/Driller): | ADT/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L. | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | Outside Ballfield fence grass surface | | | |
| | | | SBP-SO-316-0002 | | | Red - Brown | SILTY SAND – trace gravel, roots; Fine-medium sand, poorly graded, fine gravel to ½" subrounded | SM/Fill | Dry; grass/root plug = approximately 3" | FID = 0.0 PID = 0.0 |
| 1 | | | Screening Only 12/4/03 @ 1555 | | Loose | Tan | SAND – fine sand, poorly graded, oyster shells | SP | | |
| | | 1.7' / 2' | | | | | | | Dry – glass shards, metal | FID = 5.0 PID = 0.0 |
| 2 | | | | | | Black | SAND – some gravel, fine-coarse sand, well graded, fine-coarse gravel ½"-¾" subrounded and subangular | SW/G | | FID = 20 PID = 0.0 |
| | | | SBP-SO-316-0204 | | | | | SP | Dry | |
| 3 | | | Screening Only 12/4/03 @ 1600 | | | | SAND – organic roots, wood chunks, fine-medium sand, glass shards to ½", poorly graded | SP/Fill | | FID = 0.0 PID = 0.0 |
| | | 1.4' / 2' | | | | Tan | | | Dry | |
| 4 | | | | | | | SAND - trace gravel; fine sand, trace medium sand, poorly graded, 1 piece coarse gravel to ¾" subrounded | SP/Fill | | FID = 0.0 PID = 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite (4' – 1') and topsoil (1'-0') | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – 4 X 4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | Direct - Push | | |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Not Encountered | | |
| OTHER OBSERVATIONS: | Phase I. Flag No. 631; former Landfill area, fill soils historically | BORING NO.: 316 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 317 |
| PROJECT NO.: | N1369 | START DATE: | 12/5/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: LJD | COMPLETION: DATE: 12/5/03 |
| DRILLED BY (Company/Driller): | ADT/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | Outside Ballfield area near fence – grass surface | | | |
| | | 1.7' / 2' | SBP-SO-317-0002 12/5/03 @ 0915 DUP01 @ 0918 screening and screening duplicate | | Loose | Red - Brown | SAND – some silt, some gravel, fine-medium sand, trace coarse sand, fine-coarse subrounded gravel to 1/2"-1" diameter, roots | SM/Fill | Dry; grass plug and root ball = approximately 3" | FID = 0.0 PID = 0.0 |
| 1 | | | | | | | | | | FID = 1.0 PID = 0.0 |
| | | | | | | Tan | SAND – fine sand, poorly graded | SP/Fill | Dry | |
| 2 | | | | | | Black gray-brown | SAND – some gravel; fine-coarse sand, well graded, fine-coarse gravel, subrounded 1/2"-3/4" diameter, wood chunks, quartz | SW/Fill | | FID = 3.0 PID = 0.0 |
| | | 1.7' / 2' | SBP-SO-317-0204 Screening Only 12/5/03 @ 0920 | | | | Similar to above, with wood chunks and splinters of wood | | | FID = 0.0 PID = 0.0 |
| 3 | | | | | | Black | Similar to above, with glass, metal fragments, more silt, fiberous felt-like pad (black) | SM/Fill | | FID = 0.0 PID = 0.0 |
| 4 | | | | | | | | | Siltier at bottom | |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite (4' – 1') and topsoil (1'-0') | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – 4 X 4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | Direct - Push | | |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Not Encountered | | |
| OTHER OBSERVATIONS: | Phase I. Flag No. 657; former Landfill area, refusal 0-2' initially – relocated closer to fence within 5' of flagged location | BORING NO.: 317 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 318 |
| PROJECT NO.: | N1369 | | | START DATE: | 12/5/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: | LJD | COMPLETION: DATE: | 12/5/03 |
| DRILLED BY (Company/Driller): | ADT/S. Przybylski | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or 'ROCK HARD. | CLR | MATERIAL CLASSIFICATION Outside Ballfield area near fence – grass surface) | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | SBP-SO-318-0002 | | Loose | Red - Brown | SAND – some silt, some gravel; fine-medium sand, trace coarse sand, fine-coarse gravel subrounded to 1" diameter | SP/Fill | Dry; Grass/root plug = approximately 3" | FID = 0.0 PID = 0.0 |
| 1 | | | Screening Only 12/5/03 @ 0935 | | | Brown-gray | Similar to above, more coarse sand, more well graded wood pieces (burned) | SW/Fill | Spray paint on surface | |
| | | 2' / 2' | | | | | | | Dry | FID = 0.0 PID = 0.0 |
| 2 | | | | | Dense | Gray | SILTY SAND – spongy processed material, glass, metal fragments, wood | SM/Fill | | FID = 0.0 PID = 0.0 |
| | | | SBP-SO-318-0204 | | Loose | Red brown - Gray brown | SAND – some gravel; fine-coarse sand, well graded, fine-coarse gravel to ¾", possible linoleum tiles | SW/Fill | Dry | FID = 0.0 PID = 0.0 |
| 3 | | | Screening Only 12/5/03 @ 0940 | | Dense | Black | SILTY SAND and processed waste – spongy material, glass, wood, metal, white specks, charcoal | SM/Fill | | FID = 0.0 PID = 0.0 |
| | | 1.7' / 2' | | | | | | | Dry | |
| 4 | | | | | Loose | Gray - Black | SAND – some gravel, fine-coarse SAND, fine-coarse gravel subrounded to 1", oyster shell fragments, wood splinters | SW/Fill | | FID = 0.0 PID = 0.0 |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – 4 X 4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | Direct - Push | | |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Not Encountered | | |
| OTHER OBSERVATIONS: | Phase I. Flag No. 607; former Landfill area | BORING NO.: 318 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 319 |
| PROJECT NO.: | N1369 | START DATE: | 12/5/03 |
| LOGGED BY: | K. Jalkut | COMPLETION: DATE: | 12/5/03 |
| DRILLED BY (Company/Driller): | ADT/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JL |

TRANSCRIBED BY: LJD

ELEVATION FROM:

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | Ballfield outfield-- grass surface | | | |
| | | | SBP-SO-319-0002 | | Loose | Red - Brown | SAND – some silt, trace gravel; fine-medium sand, trace coarse sand, coarse gravel to 1" subrounded, roots | SM/Fill | Dry; Grass/root plug = approximately 2" | FID = 0.0 PID = 0.0 |
| 1 | | | Screening Only 12/5/03 @ 0950 | | | | | | | |
| | | 2' / 2' | | | | Tan | SAND – fine sand, poorly graded | SP/Fill | Dry | FID = 0.0 PID = 0.0 |
| 2 | | | | | | | | SM/Fill | | FID = 0.0 PID = 0.0 |
| | | | SBP-SO-319-0204 | | Dense | Black Brown | SILTY SAND – some gravel, fine-medium sand, poorly graded, coarse gravel (possible trap rock) | | Dry | |
| 3 | | | Screening Only 12/5/03 @ 0955 | | Soft | Black | Wood chunks, burned | | | FID = 0.0 PID = 0.0 |
| | | 1.1' / 2' | | | | | | | Compressed soil (not a refusal) partial recovery | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – 4 X 4 Mule |
| METHOD OF ADVANCING BORING: | Direct - Push |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous to 4' in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | Not Encountered |
| OTHER OBSERVATIONS: | Phase I. Flag No. 608; former Landfill area |

BORING NO.: 319

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 320 |
| PROJECT NO.: | N1369 | | | START DATE: | 12/5/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: | LJD | COMPLETION: DATE: | 12/5/03 |
| DRILLED BY (Company/Driller): | ADT/S. Przybylski | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | SBP-SO-320-0002<br>12/5/03 @ 1005<br>DUP 02 @ 1008<br>Screening, confirmation | | Loose | Red - Brown | SAND – some silt, trace gravel; fine-medium sand, trace coarse sand, poorly graded, fine gravel to ¼" diameter, | SM/Fill | Dry;<br>Grass/root plug = | |
| 1 | | | | | | | Subrounded, roots, grass | | approximately 3" | FID = 0.0<br>PID = 0.0 |
| | | 1.7' / 2' | Confirmation duplicate | | | Tan | SAND – fine sand, poorly graded | SP/Fill | | FID = 0.0<br>PID = 0.0 |
| 2 | | | | | | | | | | |
| | | | SBP-SO-320-0204<br>Screening only<br>12/5/03 | | | Gray - Brown | SAND – trace silt; mostly fine sand, some medium sand, wood pieces (burned) | | Damp sand | FID = 0.0<br>PID = 0.0 |
| 3 | | | | | | | | | | |
| | | 1.8' / 2' | | | | Gray | SAND – trace gravel, fine-medium sand, poorly graded, coarse gravel to 1" subrounded, plastic (white) pieces | | | FID = 0.0<br>PID = 0.0 |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – 4 X 4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | Direct - Push | | |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Not Encountered | | |
| OTHER OBSERVATIONS: | Phase I. Flag No. 609; former Landfill area | BORING NO.: 320 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 321 |
| PROJECT NO.: | N1369 | START DATE: | 12/5/03 |
| LOGGED BY: | K. Jalkut | COMPLETION: DATE: | 12/5/03 |
| DRILLED BY (Company/Driller): | ADT/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JL |
| TRANSCRIBED BY: | LJD | | |
| ELEVATION FROM: | | | |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or 'ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 2.0' / 2' | SBP-SO-321-0002 Screening 12/5/03 @ 1030 | | Loose | Brown | SAND – trace silt; fine-medium sand, trace coarse sand, poorly graded, roots | SP/Fill | Frozen soil at surface Dry; Grass to approximately 2" | FID = 0.0 PID = 0.0 |
| 1 | | | | | | | | | | |
| | | | | | | Red | Similar to above with brick pieces | Fill | Dry | FID = 0.0 PID = 0.0 |
| 2 | | | | | | Tan | SAND; Fine SAND, poorly graded | SP/Fill | | FID = 0.0 PID = 0.0 |
| | | 1.7' / 2' | SBP-SO-321-0204 Screening 12/5/03 @ 1040 | | | | SAND – trace silt | | | |
| 3 | | | | | | | Similar to above with trace medium sand (brown) | | | |
| | | | | | Dense | Black to Gray | SILTY SAND – some gravel, fine-coarse sand, silt, fine-coarse gravel 0.5"-1.25" subrounded, charcoal-like pieces | SM/Fill | Dry | FID = 0.0 PID = 0.0 |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – 4 X 4 Mule |
| METHOD OF ADVANCING BORING: | Direct - Push |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous to 4' in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | Not Encountered |
| OTHER OBSERVATIONS: | Phase I. Flag No. 589; former Landfill area |

BORING NO.: 321

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 322 |
| PROJECT NO.: | N1369 | START DATE: | 12/5/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: LJD | COMPLETION: DATE: 12/5/03 |
| DRILLED BY (Company/Driller): | ADT/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | SBP-SO-322-0002 Screening 12/5/03 @ 1050 | | Loose | Red - Brown | SAND – trace silt, roots; fine-medium sand, trace coarse sand | SP/Fill | Frozen at surface Grass plug = approximately 4 in. Dry | FID = 0.0 PID = NR* |
| 1 | | | | | | Tan | SAND - Fine-sand, poorly graded | SP/Fill | | FID = 0.0 PID = NR* |
| | | 2' / 2' | | | Dense | Gray - Brown | SILTY SAND – spongy fine sand, poorly graded | SM/Fill | Dry | FID = 0.0 PID = NR* |
| 2 | | | | | Loose | Black | SAND – some gravel, fine-coarse sand, fine-coarse gravel subrounded to 1", plastic film pieces | SW/Fill | | FID = 0.0 PID = NR* |
| | | | SBP-SO-322-0204 Screening 12/5/03 @ 1055 | | | Gray - Brown | SAND – some silt; fine sand | SM/Fill | Dry | FID = 0.0 PID = NR* |
| 3 | | | | | | | Similar to above, with metal debris, fragments/fillings to ½" | | | |
| | | 1.8' / 2' | | | | Black | SAND – some gravel, fine-coarse well graded sand, fine-coarse gravel 0.5"-1.25" cellulose (cardboard pads) filings, glass | SW/Fill | Dry | FID = 2.0 PID = NR* |
| 4 | | | | | | | | | Chemical odor at bottom | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – 4 X 4 Mule | Note: * - PID down – shuts off, too cold | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | Direct - Push | | |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Not Encountered | | |
| OTHER OBSERVATIONS: | Phase I. Flag No. 610; former Landfill area | BORING NO.: 322 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 323 |
| PROJECT NO.: | N1369 | START DATE: | 12/8/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 12/8/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Ballfield – Grass Surface | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 2.0' / 2.0' | SBP-SO-323-0002 Screening 12/8/03 @ 1253 | | Loose | Red Brown | SAND, some silt | SM/Fill | Grass/root plug approximately 2" | FID = 0.0 PID = 0.0 |
| 1 | | | | | | Brown with tan intervals | SAND, fine sand, poorly graded - plastic, white pieces | SP/Fill | Dry | FID = 0.0 PID = 0.0 |
| | | | | | | | | | | |
| 2 | | | | | Dense/ Tight | Brown | Silty SAND, fine-medium sand, trace coarse sand, poorly graded | SM/Fill | Dry | FID = 0.0 PID = 0.0 |
| | | 1.8' / 2.0' | SBP-SO-323-0204 Screening 12/8/03 @ 1257 | | | Dark Brown with Green Tinge | - More fine to coarse sand, well graded, some fine gravel to ¼", subangular and subrounded | SW/Fill | Dry | FID = 0.0 PID = 0.0 |
| 3 | | | | | | | - Unidentified green coloration - 1 piece coarse gravel, subrounded to 1 ¼" in diameter | | | FID = 1.0 PID = 0.0 |
| | | | | | | | | | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite (4'-1') and topsoil (1'-0') | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 501 Former Landfill Area – Ballfield Grass surface | BORING NO.: 323 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 323A |
| PROJECT NO.: | N1369 | START DATE: | 1/27/04 |
| LOGGED BY: | J. Lambert | COMPLETION: DATE: | 1/27/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JD |
| TRANSCRIBED BY: | RAC | | |
| ELEVATION FROM: | | | |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Baseball Field | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | SBP-SO-323A-0002 Full Suite less dioxin and SPLP 1/27/04 @ 1045 | | | | Refer to Boring Log Number 323 for soil profile details from 0' – 4' bgs | | | PID = 0.0 FID = 0.0 |
| 1 | | | | | | | | | | |
| 2 | | | | | | | | | | |
| 3 | | | SBP-SO-323A-0204 Full Suite less dioxin and SPLP 1/27/04 @ 1120 | | | | | | | |
| 4 | | | | | | | | | | |
| | | 1.8' / 2' | SBP-SO-323A-0406 Full Suite less dioxin and SPLP 1/27/04 @ 1200 | | Slightly Dense | Dark Brown | 0.0' – 1.7' – Fine sandy SILT | ML | Moist Slight organic odor | PID = 0.0 FID = 9.1 |
| 5 | | | | | | Black | 1.7' – 1.8' – Silty fine-medium SAND, some organics (roots), trace charcoal | SM/Fill | | |
| 6 | | | | | | | | | | |
| | | 1.2' / 2' | SBP-SO-323A-0608 Full Suite less dioxin and SPLP 1/27/04 @ 1350 | | Slightly Loose | Dark Brown | 0' – 0.4' – Fine sandy SILT, some organic roots | ML | | PID = 0.0 FID = 4.0 |
| 7 | | | | | Slightly Dense | | 0.4' – 0.5' – Similar material to above, some glass fragments | ML/Fill | | |
| | | | | | | | 0.5' -0.6' – Fine-medium SAND, some silt, | SP | | |
| 8 | | | | EOB @ 8' bgs | Slightly Loose | Black | 0.6' – 1.2' – Fine to coarse SAND, trace subrounded gravel | SW | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | Approximately 7.5 bgs |
| OTHER OBSERVATIONS: | Phase II Flag Number 501 Former Landfill Area – Baseball Field PID = B FID = E |

Note:
Full Suite = SVOCs, Pesticides/PCBs, metals, dioxin, SPLP metals and PCBs, asbestos, and VOCs

BORING NO.: 323A

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 324 |
| PROJECT NO.: | N1369 | START DATE: | 12/8/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: LJD | COMPLETION: DATE: 12/8/03 |
| DRILLED BY (Company/Driller): | ADT/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Ballfield – grass surface | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 2' / 2' | SBP-SO-324-0002 Screening 12/5/03 @ 1300 | | Loose | Brown | SAND – some silt; fine-medium sand, trace coarse sand, poorly graded | SM/Fill | Grass root plug = approximately 3 in. | FID = 0.0 PID = 0.0 |
| 1 | | | | | Dense | Orange-Yellow | SILTY SAND, fine-medium sand, poorly graded | | Dry | FID = 0.0 PID = 0.0 |
| | | | | | Loose | Tan | SAND – fine sand, poorly graded, seashells | SP/Fill | Dry Chemical odor | FID = 2.0 PID = 0.0 |
| 2 | | | | | | Black | Similar to above with organic roots or possible burned wood | | | FID = 2.0 PID = 0.0 |
| | | 1.8 / 2' | SBP-SO-324-0204 Screening 12/5/03 | | | Brown | SAND - Fine-coarse sand, well graded, fine-coarse gravel ¼"-1" subrounded | SW/Fill | | FID = 0.0 PID = 0.0 |
| 3 | | | | | | Tan | SAND – fine sand, poorly graded, seashells | SP/Fill | | |
| | | | | | | | | | Reddish/purple coloration on inside spongy soil | FID = 1.2 PID = 0.0 |
| 4 | | | | | | Black | SILTY SAND – organic fibers, possible other fibers - man-made? Mostly fine sand | SM/Fill | | FID = 0.0 PID = 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite chips 4' - 1' and topsoil 1'- 0' | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – 4 X 4 Mule |
| METHOD OF ADVANCING BORING: | Direct - Push |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous to 4' in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | Not Encountered |
| OTHER OBSERVATIONS: | Phase I. Flag No. 502; former Landfill area |

BORING NO.: 324

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 325 |
| PROJECT NO.: | N1369 | | | START DATE: | 12/8/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: | LJD | COMPLETION: DATE: | 12/8/03 |
| DRILLED BY (Company/Driller): | ADT/S. Przybylski | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Ballfield – grass surface | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.9' / 2' | SBP-SO-325-0002 Screening 12/8/03 @ 1315 | | Loose | Brown | SAND – some silt; fine-medium sand, trace coarse sand, poorly graded, roots | SM/Fill | Grass/root plug = approximately 5" | FID = NR* PID = 0.0 |
| 1 | | | | | Dense | Red Brown | | | Dry | FID = NR PID = 0.0 |
| | | | | | | | Similar to above, trace coarse gravel, subrounded to 1.25 in. | | | FID = NR PID = 0.0 |
| 2 | | | | | Loose | Tan | SAND – trace silt, poorly graded, seashells | SP/Fill | Dry | |
| | | 2' / 2' | SBP-SO-325-0204 Screening 12/8/03 @ 1325 | | | Dark Brown | SAND – trace silt, trace gravel | | | FID = NR PID = 0.0 |
| 3 | | | | | | | Similar to above; Fine-medium sand, trace coarse sand, trace coarse gravel, seashells, plastic pieces | | Dry | |
| | | | | | | | | | | |
| 4 | | | | | | | Similar to above; subrounded gravel to 1.5", rock fragments, (angular-trace), brick | | | |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite chips (4' -1') and topsoil (1'- 0') | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – 4 X 4 Mule | Note: *- FID B switched out PID B ok | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | Direct - Push | | |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Not Encountered | | |
| OTHER OBSERVATIONS: | Phase I. Flag No. 480; former Landfill area | BORING NO.: 325 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 326 |
| PROJECT NO.: | N1369 | START DATE: | 12/8/03 |
| LOGGED BY: | K. Jalkut | COMPLETION: DATE: | 12/8/03 |
| DRILLED BY (Company/Driller): | ADT/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JL |

TRANSCRIBED BY: LJD

ELEVATION FROM:

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | Ballfield – grass surface | | | |
| | | 1.9' / 2' | SBP-SO-326-0002 Screening 12/8/03 @ 1340 | | Loose | Brown Tan | SAND – some silt; fine-medium sand, poorly graded | SM/Fill | Grass/root plug = approximately 3" | FID = 0.0 PID = 0.0 |
| 1 | | | | | | | SAND-trace gravel, mostly fine-medium sand, seashells, poorly graded | SP/Fill | Dry | FID = 0.0 PID = 0.0 |
| | | | | | | | Similar to above with coarse gravel to 1in., subrounded | | Dry | FID = 0.0 PID = 0.0 |
| 2 | | | | | | | Possible processed WASTE – sandy silt-like, with long shiny fibers (PACM) | SM/Fill | Spongy, compressed material | FID = 0.0 PID = 0.0 |
| | | 2' / 2' | SBP-SO-326-0204 Screening 12/8/03 @ 1345 | | Dense | Dark Brown | | | | |
| 3 | | | | | | | SAND – fine-medium sand, poorly graded, seashells | SP/Fill | | |
| | | | | | Loose | Tan | | | | FID = 72 PID = 0.0 |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite chips (4' -1') and topsoil (1'- 0') | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – 4 X 4 Mule | Notes: PACM = Potential asbestos-containing material | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | Direct - Push | | |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Not Encountered | | |
| OTHER OBSERVATIONS: | Phase I. Flag No. 453; former Landfill area | BORING NO.: 326 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 327 |
| PROJECT NO.: | N1369 | | | START DATE: | 12/8/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: | LJD | COMPLETION: DATE: | 12/8/03 |
| DRILLED BY (Company/Driller): | ADT/S. Przybylski | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | Ballfield – grass surface | | | |
| | | 1.9' / 2' | SBP-SO-327-0002 Screening 12/8/03 @ 1405 | | Loose | Dark Brown | SAND – trace silt, roots, mostly fine sand, trace medium sand, poorly graded | SP/Fill | Grass/root plug = approximately 4" | FID = 0.0 PID = 0.0 |
| 1 | | | | | | Tan | SAND – trace gravel, fine sand, trace medium sand, trace fine subrounded gravel (quartz pebble) to ½", seashells | | Dry | FID = 0.0 PID = 0.0 |
| 2 | | | | | | | | | Dry | |
| 3 | | 2' / 2' | SBP-SO-327-0204 Screening 12/8/03 @ 1410 | | Dense | Dark brown | Spongy possible processed material similar to silty sand with brick, glass, plastic, wood, shiny fibers and dull (organic like) fibers | SM/Fill | Dry | FID = 0.0 PID = 0.0 FID = 0.0 PID = 0.0 |
| 4 | | | | | Loose | Tan | SAND – fine sand, trace medium sand, poorly graded, seashell | SP/Fill | Dry | FID = 42 PID = 0.0 FID = 0.0 PID = 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite chips (4' -1') and topsoil (1'- 0') | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – 4 X 4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | Direct - Push | | |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Not Encountered | | |
| OTHER OBSERVATIONS: | Phase I. Flag No. 452; former Landfill area | BORING NO.: 327 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 328 |
| PROJECT NO.: | N1369 | START DATE: | 12/8/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: LJD | COMPLETION: DATE: 12/8/03 |
| DRILLED BY (Company/Driller): | ADT/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or 'ROCK HARD. | CLR | MATERIAL CLASSIFICATION Ballfield – grass surface | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Loose | Brown | SAND – trace silt, roots; fine-medium sand, poorly graded, organic fibers | SP/Fill | Grass/root plug = approximately 4" | FID = 0.0<br>PID = 0.0 |
| 1 | | | | | | Tan/ gray | SAND – Fine-medium sand, poorly graded, seashells | | Dry | |
| 2 | | 1.8' / 2' | SBP-SO-328-0002<br>Screening and confirmation<br>12/8/03 @ 1420 | | | | | | Dry | FID = 0.0<br>PID = 0.0 |
| 3 | | | | | | | | | Damp | |
| 4 | | 2' / 2' | SBP-SO-328-0204<br>12/8/03 @ 1425<br>Screening & screening (DUP03) @ 1430 | | Dense | Dark brown | SAND – trace silt, fine-coarse sand, well graded | SW/Fill | Damp | FID = 0.0<br>PID = 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite chips (4' -1') and topsoil (1'- 0') | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – 4 X 4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | Direct - Push | | |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Not Encountered | | |
| OTHER OBSERVATIONS: | Phase I. Flag No. 451; former Landfill area | BORING NO.: 328 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 329 |
| PROJECT NO.: | N1369 | START DATE: | 12/8/03 |
| LOGGED BY: | K. Jalkut | COMPLETION: DATE: | 12/8/03 |
| DRILLED BY (Company/Driller): | ADT/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JL |
| TRANSCRIBED BY: | LJD | | |
| ELEVATION FROM: | | | |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Ballfield – infield | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 2' / 2' | SBP-SO-329-0002 Screening 12/8/03 @ 1450 | | Loose | Orange - Brown | SAND – trace gravel, mostly fine-medium sand, trace coarse sand, fine gravel subrounded to ½" | SP/Fill | Dry; no grass plug | FID = 0.0 PID = 0.0 |
| 1 | | | | | Dense/ Tighter | Brown | SAND – trace silt; fine – medium sand, poorly graded | | Damp | FID = 0.0 PID = 0.0 |
| 2 | | | | | Loose | Tan-Gray | SAND – no silt, seashells | | Dry | FID = 0.0 PID = 0.0 |
| | | 2' / 2' | SBP-SO-329-0204 Screening 12/8/03 @ 1455 | | | Orange-Brown | SAND - Fine-medium sand, poorly graded | | Intervals of dark brown fine-medium sand ½" thick | |
| 3 | | | | | | Tan/gray | Similar to above, with seashells | | | FID = 37 PID = 0.0 |
| 4 | | | | | | Dark | Similar to above, with trace coarse sand | | Dry | FID = 2.0 PID = 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' - Backfill with Bentonite chips (4' -1') and topsoil (1'- 0') | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – 4 X 4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | Direct - Push | | |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Not Encountered | | |
| OTHER OBSERVATIONS: | Phase I. Flag No. 479; former Landfill area | BORING NO.: 329 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 330 |
| PROJECT NO.: | N1369 | START DATE: | 12/8/03 |
| LOGGED BY: | K. Jalkut | COMPLETION: DATE: | 12/8/03 |
| DRILLED BY (Company/Driller): | ADT/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JL |
| TRANSCRIBED BY: | LJD | | |
| ELEVATION FROM: | | | |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | Ballfield – grass surface | | | |
| | | 2' / 2' | SBP-SO-330-0002 Screening 12/8/03 @ 1505 | | Loose | Red - Brown | SAND – trace silt, roots, fine-medium sand | SP/Fill | Grass/root plug = approximately 3" | FID = 0.0 PID = 0.0 |
| 1 | | | | | ↓ | Orange - Brown | SAND – some silt, trace gravel; fine-medium sand, trace coarse sand, trace fine gravel to ½" subrounded | SP/SM | Dry | FID = 0.0 PID = 0.0 |
| | | | | | Dense | Brown | ↓ | | Dry | |
| 2 | | | | | Loose | Tan-Gray | SAND – fine-medium sand, poorly graded, seashells | SP/Fill | | FID = 0.0 PID = 0.0 |
| | | 2' / 2' | SBP-SO-330-0204 Screening 12/8/03 @ 1510 | | ↓ | ↓ | ↓ | ↓ | | |
| 3 | | | | | ↓ | ↓ | ↓ | ↓ | | |
| | | | | | ↓ | Dark brown | ↓ | ↓ | Damp | |
| 4 | | | | | Dense | ↓ | Spongy possible processed waste material. Silty sand with shiny fibers (PACM) | SM/Fill | Damp | FID = 0.0 PID = 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite chips (4' -1') and topsoil (1'- 0') | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – 4 X 4 Mule | Note: PACM = potential asbestos containing material | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | Direct - Push | | |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Not Encountered | | |
| OTHER OBSERVATIONS: | Phase I. Flag No. 478; former Landfill area | BORING NO.: 330 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 331 |
| PROJECT NO.: | N1369 | START DATE: | 12/9/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: LJD | COMPLETION: DATE: 12/9/03 |
| DRILLED BY (Company/Driller): | ADT/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Ballfield – infield | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 2' / 2' | SBP-SO-331-0002 Screening 12/9/03 @ 1040 | | Dense | Red - Brown | SAND – some silt; fine-medium sand, trace coarse sand, roots | SM/Fill | Grass/root plug = approximately 4" | FID = 212 PID = 0.0 |
| 1 | | | | | | | | | Dry | FID = 48 PID = 0.0 |
| | | | | | Loose | Tan-Gray | SAND – fine-medium sand, trace coarse sand, seashells, wood chunk, glass piece to 1", poorly graded | SP/Fill | Dry | FID = 22 PID = 0.0 |
| 2 | | | | | | | | | Possible Chemical odor | FID = 8 PID = 0.0 |
| | | | SBP-SO-331-0204 Screening 12/9/03 @ 1045 | | Dense | Dark | SAND – some silt, some gravel, mostly fine-medium, trace coarse sand, crushed stone, trap rock to 1.5", reeds, organics, seashells | SM/Fill | Matted spongy soil, organic fibers noted Dry | FID = 84 PID = 0.0 |
| 3 | | | | | Loose | Tan - gray | SAND – Fine-medium sand, poorly graded | | | FID = 24 PID = 0.0 |
| | | | | | | Dark brown | SAND, some gravel, fine-medium sand, fine-coarse gravel subrounded ½"-1", poorly graded | SP/Fill | Possible Chemical odor | |
| 4 | | | | | | Tan - gray | SAND – fine-medium sand, poorly graded, seashells | | Dry | FID = 4.2 PID = 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite chips (4' -1') and topsoil (1'- 0') | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – 4 X 4 Mule | | *Tetra Tech NUS, Inc.* |
| METHOD OF ADVANCING BORING: | Direct - Push | | |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Not Encountered | | |
| OTHER OBSERVATIONS: | Phase I. Flag No. 552; former Landfill area | BORING NO.: 331 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | BORING NO.: 332 |
| PROJECT NO.: | N1369 | | START DATE: 12/09/03 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: RAC | COMPLETION: DATE: 12/09/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/Rob Ullmann | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: T. Dorgan |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.4' / 2' | SBP-SO-332-0002 Screening 12/9/03 @ 1050 | | Slightly Loose | Brown | 0' – 0.2' – Silty fine-coarse SAND<br>0.2' – 1.4' – Fine-Medium SAND, Shell layer at 1.3' | SW<br>SP | Moist | PID = 1.7<br>FID = 0.0 |
| 1 | | | | | | | | | | |
| | | | | | | | | | | PID = 0.5<br>FID = 0.0 |
| 2 | | | | | | | | | | |
| | | | | | | Tan | 0' – 1.2' – Fine-Medium SAND | | Moist-Wet | PID = 0.6<br>FID = 0.0 |
| 3 | | | Screening Confirmation 12/9/03 @ 1055 | | | | | | | |
| | | 2' / 2' | SBP-SO-332-0204 | | | Dark Brown | 1.2' – 2' – Silty fine SAND, possible stained, trace glass fragments | SM/Fill | No odor | PID = 1.0<br>FID = 3.7 |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – Track Mounted (Rig 2) |
| METHOD OF ADVANCING BORING: | Direct – Push |
| METHOD OF SOIL SAMPLING: | Macro – Core – Open tube continuous to 4' in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase 1. Flag Number 476 – Former landfill area, Ballfield FID/PID - C |

BORING NO.: 332

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 333 |
| PROJECT NO.: | N1369 | START DATE: | 12/9/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 12/9/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Ballfield – Outfield | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.8' / 2' | SBP-SO-333-0002 Screening 12/9/03 @ 1120 | | Loose | Dark Brown | SAND, trace silt, trace gravel. Fine-medium mostly, some coarse sand, fine to coarse subrounded gravel ¼" – ¾", well graded, roots | SW/Fill | Grass/root plug = approximately 3" Dry | 0.0 | 0.0 |
| 1 | | | | | | | | | | | |
| | | | | | | Tan – Gray | SAND, fine-medium sand, poorly graded, seashells | SP/Fill | Dry Dark Brown coloration (1" sand) along interval | 0.0 | 0.0 |
| 2 | | | | | | Dark Brown | SAND. Fine-medium sand mostly, some coarse sand, seashells | SW/Fill | | | |
| | | 2' / 2' | SBP-SO-333-0204 Screening 12/9/03 @ 1125 | | | Tan Gray | SAND. Mostly fine-medium sand, poorly graded, seashell fragments, charcoal pieces | SP/Fill | One 1" interval of dark brown matted material with fibers (possible PACM) | 0.0 | 0.0 |
| 3 | | | | | | | | | | | |
| | | | | | | | | | Damp | 4.8 | 0.0 |
| 4 | | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule | Note: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | PACM – Potential asbestos containing material | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Not encountered | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 450 Former Landfill Area | BORING NO.: 333 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 333A |
| PROJECT NO.: | N1369 | START DATE: | 1/20/04 |
| LOGGED BY: | J. Lambert | COMPLETION: DATE: | 1/20/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JD |

TRANSCRIBED BY: RAC

ELEVATION FROM:

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | SBP-SO-333A-0002 | | | | Refer to Boring Log Number 333 for soil profile details from 0' – 4' bgs | | | |
| | | | Full Suite | | | | | | | |
| 1 | | | 1/20/04 @ 1400 | | | | | | | |
| | | | | | | | | | | |
| 2 | | | | | | | | | | |
| | | | SBP-SO-333A-0204 | | | | | | | |
| | | | Full Suite | | | | | | | |
| 3 | | | 1/20/04 @ 1420 | | | | | | | |
| | | | | | | | | | | |
| 4 | | | | | | | | | | |
| | | 1.9' / 2' | SBP-SO-333A-0406 | | Slightly Loose | Gray | 0' – 1.1' – Fine-medium SAND, trace shell fragments | SP | Moist | PID = 0.0 FID = 0.0 |
| | | | Full Suite | | | | | | | |
| 5 | | | 1/20/04 @ 1435 | | | | | | | |
| | | | | | | Dark Gray | 1.1' – 1.7' – Fine-medium SAND, trace silt | | | |
| 6 | | | | | | | 1.7' – 1.9' – Fine-medium SAND | | | |
| | | | | EOB @ 6' bgs | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) | Note: Full Suite = SVOCs, Pesticides/PCBs, metals, dioxin, SPLP metals and PCBs, asbestos, and VOCs | *Tetra Tech NUS, Inc.* |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase II Flag Number 450 Former Landfill Area – Outside of Baseball Field FID/PID = C | BORING NO.: 333A | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 334 |
| PROJECT NO.: | N1369 | | | START DATE: | 12/09/03 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | RAC | COMPLETION: DATE: | 12/09/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/Rob Ullmann | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | T. Dorgan |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.5' / 2' | SBP-SO-334-0002 Screening 12/9/03 @ 1125 | | Slightly Loose | Brown | 0' – 0.6' – Silty fine SAND, grass/roots in top 0.2' | SM | Moist | PID = 0.0 FID = 0.5 |
| 1 | | | | | | | | | | |
| | | | | | | Gray | 0.6' – 1.3' – Fine SAND, trace shells | SP | | PID = 7.1 FID = 0.0 |
| 2 | | | | | | Dark Brown | 1.3' – 1.5' – Silty fine SAND, trace coarse sand and gravel | SM | | |
| | | 2' / 2' | SBP-SO-334-0204 Screening 12/9/03 @ 1130 | | | Gray | Fine SAND, trace shells, layers of silty fine SAND, trace coarse sand and gravel (1" thick) throughout | SP | | PID = 0.0 FID = 0.1 |
| 3 | | | | | | | | | | |
| | | | | | | | | | | PID = 0.0 FID = 0.0 |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – Track Mounted (Rig 2) | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | Direct – Push | | |
| METHOD OF SOIL SAMPLING: | Macro – Core – Open tube continuous to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase 1. Flag Number 428: Former Landfill area, Baseball Field FID/PID - C | BORING NO.: 334 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 335 |
| PROJECT NO.: | N1369 | START DATE: | 12/9/03 |
| LOGGED BY: | K. Jalkut | COMPLETION: DATE: | 12/9/03 |
| DRILLED BY (Company/Driller): | ADT/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JL |

TRANSCRIBED BY: LJD

ELEVATION FROM:

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Ballfield – outfield | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.7' / 2' | SBP-SO-335-0002 Screening 12/9/03 @ 1142 | | Loose | Red - Brown | SAND – trace silt, fine-medium sand, poorly graded, roots | SP/Fill | Grass/root plug = approximately 4" | FID = 0.0 PID = 0.0 |
| 1 | | | | | | Tan-Gray | SAND – Fine-medium sand, poorly graded, seashells | | Dry | FID = 0.0 PID = 0.0 |
| | | | | | | | | | Damp | |
| 2 | | | | | | | | | | FID = 0.0 PID = 0.0 |
| | | 1.7' / 2' | SBP-SO-335-0204 Screening 12/9/03 @ 1146 | | | | SAND – Fine-medium sand, poorly graded, trace seashell fragments | | Wet | FID = 1.5 PID = 0.0 |
| 3 | | | | | | | | | | |
| | | | | | | Dark brown | | | | FID = 1.8 PID = 0.0 |
| 4 | | | | | | | | | | FID = 1.4 PID = 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite chips (4' -1') and topsoil (1'- 0') | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – 4 X 4 Mule |
| METHOD OF ADVANCING BORING: | Direct - Push |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous to 4' in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | Not Encountered |
| OTHER OBSERVATIONS: | Phase I. Flag No. 477; former Landfill area |

BORING NO.: 335

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | |
| PROJECT NO.: | N1369 | | |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | RAC |
| DRILLED BY (Company/Driller): | Aquifer Drilling and Testing/Rob Ullmann | | |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | |

| | |
|---|---|
| BORING NO.: | 336 |
| START DATE: | 12/09/03 |
| COMPLETION: DATE: | 12/09/03 |
| MON. WELL NO.: | N/A |
| CHECKED BY: | T. Dorgan |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | | | | |
| | | 1.5' / 2' | SBP-SO-336-0002 Screening 12/9/03 @ 1155 | | Slightly Dense | Brown | 0' – 0.8' – Silty fine SAND | SM | | PID = 0.0 FID = 1.8 |
| 1 | | | | | | | | | | |
| | | | | | | Gray | 0.8' – 1.5' – Fine-Medium SAND, some shells | SP/Fill | | PID = 0.0 FID = 2.3 |
| 2 | | | | | | | | | | |
| | | 1.9' / 2' | SBP-SO-336-0204 Screening 12/9/03 @ 1200 | | | Dark Brown | Silty, slightly dense material – when opened, small fibers exposed - PACM | | | PID = 2.4 FID = 69.9 |
| 3 | | | | | | | | | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – Track mounted (Rig 2) | Note: PACM = Potentially asbestos containing material | *Tetra Tech NUS, Inc.* |
| METHOD OF ADVANCING BORING: | Direct – Push | | |
| METHOD OF SOIL SAMPLING: | Macro – Core – open tube continuous to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase 1 Flag Number 430: Former Landfill area, Baseball Field FID/PID - C | BORING NO.: 336 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 337 |
| PROJECT NO.: | N1369 | | | START DATE: | 12/9/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: | RAC | COMPLETION: DATE: | 12/9/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/Rob Ullmann | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JD |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Ballfield – Outfield | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.8' / 2.0' | SBP-SO-337-0002 Screening 12/9/03 @ 1235 | | Dense | Red Brown | SAND, some silt, fine medium sand, poorly graded, organic roots | SM/Fill | Grass/Root plug = approximately 4" | FID = 0.0 PID = 0.0 |
| 1 | | | | | Loose | Brown Tan Gray | SAND, fine medium sand, poorly graded, seashells | SP/Fill | Damp | |
| | | | | | Dense | Dark Brown | Silty SAND, compressed matted material, spongy long shiny needle like fibers | Fill | Reddish – purple on inside Waste, PACM | FID = 12.1 PID = 0.0 |
| 2 | | | | | | | | | | FID = 178.1 PID = 0.0 |
| | | 2.0' / 2.0' | SBP-SO-337-0204 Screening and Confirmation 12/9/03 @ 1240 | | Loose | Gray Brown | SAND, some gravel, fine coarse sand, well graded, fine coarse subrounded gravel ½ - 1 ¼" | SP/GP | Dry | FID = 1.3 PID = 0.0 |
| 3 | | | | | | | | | | |
| | | | | | | Brown | | | Dry | |
| 4 | | | | | | Tan Gray | SAND, fine medium sand, poorly graded | SP/Fill | | FID = 0.4 PID = 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite (4'-1') and topsoil (1'-0') | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule | Note: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | FID/PID = A | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | PACM – Potential asbestos containing material | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Not encountered | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 431 Upgrade to level C – See logbook p. 24 Former Landfill Area | BORING NO.: 337 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 337A |
| PROJECT NO.: | N1369 | START DATE: | 1/27/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/27/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Ballfield – Outfield | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | SBP-SO-337A-0002 Full suite less dioxin and SPLP 1/27/04 @ 0915 | | | | Refer to Boring Log Number 337 for soil profile details from 0' – 4' bgs | | No evidence of waste – no extra analyses taken | PID = 0.0 FID = 0.0 |
| 2 | | | | | | | | | | |
| | | | SBP-SO-337A-0204 Full suite less dioxin and SPLP 1/27/04 @ 0930 | | | | | | | |
| 4 | | | | | | | | | | |
| | | 1.7' / 2.0' | SBP-SO-337A-0406 Full suite less dioxin and SPLP 1/27/04 @ 1000 | | Slightly Loose | Gray | 0' – 0.5' – Fine-medium SAND, trace shells | SP | Moist | PID = 0.0 FID = 18.0 |
| 5 | | | | | | Dark Gray | 0.5' – 0.9' – Fine SAND, trace medium sand | | | |
| | | | | | | Brown Gray | 0.9' – 1.5' – Fine-medium SAND, piece of cardboard, roofing paper, trace glass | SP/Fill | | |
| 6 | | | | | | Blue Gray | 1.5' – 1.7' – Fine-medium SAND, trace silt, piece of adhesive/woven/ stretchy material | | | |
| | | | | EOB @ 6' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track mounted (rig 2) | Note: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | Full Suite = SVOCs, Pesticides/PCBs, metals, dioxin, SPLP metals and PCBs, asbestos, and VOCs | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Approximately 5.5' bgs | | |
| OTHER OBSERVATIONS: | Phase II Old Flag Number 431 PID=B/FID=E Former Landfill Area – Baseball field | BORING NO.: 337A | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | |
| PROJECT NO.: | N1369 | | |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | RAC |
| DRILLED BY (Company/Driller): | Aquifer Drilling and Testing/Rob Ullmann | | |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | |

| | |
|---|---|
| BORING NO.: | 338 |
| START DATE: | 12/09/03 |
| COMPLETION: DATE: | 12/09/03 |
| MON. WELL NO.: | N/A |
| CHECKED BY: | T. Dorgan |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | | | | |
| | | 1.6' / 2' | SBP-SO-338-0002 Screening 12/09/03 @ 1300 | | Slightly Loose | Brown | 0' – 0.8' – Silty fine-medium SAND | SM | Moist | PID = 0.0 |
| 1 | | | | | | Light Brown | 0.8' – 1.6' – Fine-Medium SAND, some seashell fragments | SP | | FID = 0.0 |
| 2 | | | | | | | | | | |
| | | 1.9' / 2' | SBP-SO-338-0204 Screening 12/09/03 @ 1305 | | | | 0' – 0.6' – Fine-Medium SAND | Fill/SP | | PID = 0.0 |
| 3 | | | | | Slightly Dense | Dark Brown | 0.6' – 1.9' – Silty fine-medium SAND, trace plastic, some fibers (most likely natural), but potentially asbestos containing material | Fill/SM | | FID = 4.0 |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – Track mounted (Rig 2) |
| METHOD OF ADVANCING BORING: | Direct – Push |
| METHOD OF SOIL SAMPLING: | Macro – Core – open tube continuous to 4' in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase 1. Flag Number 430: Former Landfill area, Baseball Field FID/PID - C |

BORING NO.: 338

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 339 |
| PROJECT NO.: | N1369 | START DATE: | 12/9/03 |
| LOGGED BY: | K. Jalkut | COMPLETION: DATE: | 12/9/03 |
| DRILLED BY (Company/Driller): | ADT/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JL |

TRANSCRIBED BY: LJD

ELEVATION FROM:

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | Ballfield – outfield | | | |
| | | 1.9' / 2' | SBP-SO-339-0002 Screening 12/9/03 @ 1335 | | Loose | Red - Brown | SAND – trace silt; fine-medium sand, poorly graded, organic roots | SP/Fill | Grass/root plug = approximately 3" Dry | FID = 0.0 PID = 0.0 |
| 1 | | | | | | Tan-Gray | SAND – Fine-medium sand, poorly graded, trace seashells | | | FID = 0.0 PID = 0.0 |
| | | | | | | Brown | | | Dry | |
| 2 | | | | | Dense | Dark brown | SAND – trace silt, trace organics, organic fibers, reeds, mostly fine-medium sand, poorly graded | | Compressed soil | FID = 58 PID = 0.0 |
| | | 2' / 2' | SBP-SO-339-0204 Screening 12/9/03 @ 1340 | | Loose | Brown | SAND – some silt, fine-medium sand, trace coarse sand | SM/Fill | Dry | FID = 5.6 PID = 0.0 |
| 3 | | | | | | Gray-brown | Similar to above with crushed stone (trap rock) | | | FID = 7.1 PID = 0.0 |
| | | | | | | Brown | SAND – some silt, charcoal, brick pieces, burned wood Similar to above, with metal shards to ½" | | | |
| 4 | | | | | | Dark brown | SAND – some silt with roots and organic fibers | | | FID = 19 PID = 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite chips (4' -1') and topsoil (1'- 0') | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – 4 X 4 Mule | Note: - FID = A (filling with H2) PID = A | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | Direct - Push | | |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Not Encountered | | |
| OTHER OBSERVATIONS: | Phase I. Flag No. 505; former Landfill area | BORING NO.: 339 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 340 |
| PROJECT NO.: | N1369 | | | START DATE: | 12/09/03 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | RAC | COMPLETION: DATE: | 12/09/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling and Testing/Rob Ullmann | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | T. Dorgan |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | | | | |
| | | 1.5' / 2' | SBP-SO-340-0002 Screening 12/09/03 @ 1350 | | Slightly Loose | Orange - Brown | Silty fine SAND – Baseball diamond | SM/Fill | Moist | PID = 2.0 |
| 1 | | | | | | | | | | FID = 7.1 |
| | | | | | | Light Brown | Fine-Medium SAND, trace shell fragments | SP/Fill | | |
| 2 | | | | | | | | | | |
| | | 1.9' / 2' | SBP-SO-340-0204 Screening 12/09/03 @ 1355 | | | | 0' – 0.4' – Similar to above<br>0.4' – 0.7' – Organic rich (reed fibers) silt, some fine sand | SP/Fill<br>OL/Fill | Moist<br>Odor – non petroleum | PID = 0.1 |
| 3 | | | | | Slightly Dense | | | | | FID = 7.4 |
| | | | | | Loose | Black | 0.7' – 0.8' – Burn layer – charcoal pieces | Fill | Pieces of asphalt – 1.7' | |
| 4 | | | | | Slightly Loose | | 0.8' – Fine-Coarse SAND, some gravel (removed) trace silt, trace asphalt | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – Track mounted (Rig 2) | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | Direct – Push | | |
| METHOD OF SOIL SAMPLING: | Macro – Core – open tube continuous to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase 1. Flag Number 547: Former Landfill area, Baseball diamond FID/PID - C | BORING NO.: 340 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 341 |
| PROJECT NO.: | N1369 | | | START DATE: | 12/9/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: | LJD | COMPLETION: DATE: | 12/9/03 |
| DRILLED BY (Company/Driller): | ADT/S. Przybylski | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Ballfield – outfield | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 2' / 2' | SBP-SO-341-0002 Screening 12/9/03 @ 1355 | | Dense | Red - Brown | SAND – some silt, trace gravel; fine-medium sand, some silt, coarse gravel subrounded to 3/4", grass, roots | SM/Fill | Damp Grass/root plug = approximately 3" Dry | FID = 0.0 PID = 0.0 |
| 1 | | | | | Loose | Tan-Gray | SAND – Fine-medium sand, poorly graded, seashells | SP/Fill | | FID = 2.7 PID = 0.0 |
| 2 | | | | | | | | | | FID = 0.2 PID = 0.0 |
| 3 | | 1.9' / 2' | SBP-SO-341-0204 Screening 12/9/03 @ 1400 | | Dense | Dark Brown | SAND – trace silt, trace gravel; fine-medium sand, organics (reeds, roots, 1 piece of subrounded gravel – 1") | | Dry, organic odor | FID = 687 PID = 0.0 |
| 4 | | | | | Loose | Brown to Gray | Similar to above with intervals of gray, fine-medium sand in compressed soil | | Compressed soil | FID = 32 PID = 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite chips (4' -1') and topsoil (1'- 0') | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – 4 X 4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | Direct - Push | | |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Not Encountered | | |
| OTHER OBSERVATIONS: | Phase I. Flag No. 524; former Landfill area | BORING NO.: 341 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 342 |
| PROJECT NO.: | N1369 | | | START DATE: | 12/09/03 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | RAC | COMPLETION: DATE: | 12/09/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling and Testing/Rob Ullmann | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | T. Dorgan |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | | | | |
| | | 1.5' / 2' | SBP-SO-342-0002 Screening 12/09/03 @ 1415 | | Slightly Dense | Brown | 0' – 0.8' – Silty fine SAND, baseball diamond material at surface | SM | Moist | PID = 0.0 |
| 1 | | | | | | Light Brown | 0.8' – 1.5' – Fine-Medium SAND | SP | | FID = 2.0 |
| 2 | | | | | | | | | | |
| | | | SBP-SO-342-0204 Screening Confirmation 12/09/03 @ 1420 | | | Light Brown | 0' – 0.4' – Fine-coarse SAND, some silt<br>0.4' – 0.6' – Fine-Medium SAND | SW | | PID = 0.0 |
| 3 | | | | | | Gray Brown | 0.6' – 1.2' – Silty fine-medium SAND | SM | | FID = 23.7 |
| 4 | | | | | Slightly Dense | | 1.2' – 1.5' – Silty fine –coarse SAND | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – Track mounted (Rig 2) | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | Direct – Push | | |
| METHOD OF SOIL SAMPLING: | Macro – Core – open tube continuous to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase 1. Flag Number 526: Former Landfill area, Baseball diamond FID/PID - C | BORING NO.: 342 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 343 |
| PROJECT NO.: | N1369 | | | START DATE: | 12/9/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: | LJD | COMPLETION: DATE: | 12/9/03 |
| DRILLED BY (Company/Driller): | ADT/S. Przybylski | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Ballfield – outfield | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.8' / 2' | SBP-SO-343-0002 Screening 12/9/03 @ 1410 | | Dense | Red - Brown | SAND – trace silt; Fine-medium sand, poorly graded, roots | SP/Fill | Dry Grass/root plug = approximately 4" | FID = 0.0 PID = 0.0 |
| 1 | | | | | | | | | | |
| | | | | | Loose | Tan - Gray | SAND – Fine-medium sand, poorly graded, seashells | | 1 piece of matted material with shiny needle like fibers (PACM) | FID = 0.0 PID = 0.0 |
| 2 | | | | | | | Felt like pad mixed in soil (PACM) | | | |
| | | 1.6' / 2' | SBP-SO-343-0204 Screening 12/9/03 @ 1415 | | Dense | Dark brown-Black | SAND – trace silt, trace gravel, mostly Fine-medium sand, 2 pieces fine gravel to ½" subrounded, glass, burn layer, charcoal | | Damp | FID = 0.0 PID = 0.0 |
| 3 | | | | | | | | | Damp | |
| | | | | | Dense/ Tight | Dark Brown | Similar to above with increasing % of coarse sand, organic roots, reeds | | Dry | |
| 4 | | | | | Loose | Tan - Gray | SAND – fine-medium sand, poorly graded, seashells, glass shards to ½" | | | FID = 0.0 PID = 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite chips (4' -1') and topsoil (1'- 0') | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – 4 X 4 Mule | Notes: PACM= Potential asbestos-containing material | *Tetra Tech NUS, Inc.* |
| METHOD OF ADVANCING BORING: | Direct - Push | | |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Not Encountered | | |
| OTHER OBSERVATIONS: | Phase I. Flag No. 506; former Landfill area | BORING NO.: 343 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 344 |
| PROJECT NO.: | N1369 | START DATE: | 12/09/03 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: RAC | COMPLETION: DATE: 12/09/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling and Testing/Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: T. Dorgan |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | | | | |
| | | 1.4' / 2' | SBP-SO-344-0002 Screening 12/09/03 @ 1505 | | Slightly Dense | Red Brown | 0' – 0.6' – Silty fine SAND (pitcher's mound material at surface) | SM | Moist | PID = 0.0 |
| 1 | | | | | | Gray | 0.6' – 1.4' – Fine-Medium SAND, trace small shell fragments | SP | | FID = 0.6 |
| | | | | | | | | | | PID = 0.0 |
| 2 | | | | | | | | | | FID = 0.0 |
| | | 1.9' / 2' | SBP-SO-344-0204 Screening 12/09/03 @ 1510 | | | Gray | 0' – 0.9' – Similar to above | | Moist Odor from 0.9' – 1.9' | PID = 0.0 |
| 3 | | | | | Slightly Loose | Dark Gray | 0.9' – 1.9' – Fine-Medium SAND, some coarse sand, trace shell fragments | SW | | FID = 0.0 |
| | | | | | | | Note: at 1.6', have a lens black silt | | | PID = 0.0 |
| 4 | | | | | | | | | | FID = 542.0 |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – Track mounted (Rig 2) |
| METHOD OF ADVANCING BORING: | Direct – Push |
| METHOD OF SOIL SAMPLING: | Macro – Core – open tube continuous to 4' in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase 1 Flag Number 548: Former Landfill area, Baseball Field, Pitchers Mound FID/PID - C |

BORING NO.: 344

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 345 |
| PROJECT NO.: | N1369 | START DATE: | 12/9/03 |
| LOGGED BY: | K. Jalkut | COMPLETION: DATE: | 12/9/03 |
| DRILLED BY (Company/Driller): | ADT/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JL |
| TRANSCRIBED BY: | LJD | | |
| ELEVATION FROM: | | | |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.9' / 2' | SBP-SO-345-0002 Screening 12/9/03 @ 1425 | | Dense | Red - Brown | SAND – trace silt; Fine-medium sand, poorly graded, roots | SP/Fill | Grass/root plug = approximately 4" | FID = 0.0 PID = 0.0 |
| 1 | | | | | | | SAND- Fine-medium sand, poorly graded, seashells | | Damp | |
| | | | | | Loose | Brown - Gray | | | Damp | FID = 6.3 PID = 0.0 |
| 2 | | | | | | Tan - Gray | | | | FID = 90 PID = 0.0 |
| | | 1.7' / 2' | SBP-SO-345-0204 Screening 12/9/03 @ 1440 | | | Dark gray | Similar to above: Organic roots visible | | Strong organic odor | |
| 3 | | | | | | | | | | FID = 135 PID = 0.0 |
| | | | | | Dense | Dark Brown | SAND – trace silt, trace gravel; mostly Fine-medium sand, trace course sand, trace fine subrounded gravel to ½", roots | | | FID = 40 PID = 0.0 |
| 4 | | | | | | Dark Brown | | | | FID = 216 PID = 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite chips (4' -1') and topsoil (1'- 0') | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – 4 X 4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | Direct - Push | | |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Not Encountered | | |
| OTHER OBSERVATIONS: | Phase I. Flag No. 525; former Landfill area | BORING NO.: 345 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 346 |
| PROJECT NO.: | N1369 | | | START DATE: | 12/09/03 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | RAC | COMPLETION: DATE: | 12/09/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling and Testing/Rob Ullmann | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | T. Dorgan |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.5' / 2' | SBP-SO-346-0002 Screening 12/09/03 @ 1530 | | Slightly Dense | Red Brown | 0' – 0.7' – Sandy (fine sand) SILT | SM/Fill | Damp | PID = 0.2 |
| 1 | | | | | | | | | | FID = 1.7 |
| | | | | | | Gray | 0.7' – 1.5' – Fine-Medium SAND, some shell fragments | SP/Fill | | PID = 2.9 |
| 2 | | | | | | | | | | FID = 5.4 |
| | | 1.8' / 2' | SBP-SO-346-0204 Screening 12/09/03 @ 1535 | | | Gray | 0' – 0.8' – Similar to above, black brown silt lens (1" thick at 0.3') | | | PID = 0.0 |
| 3 | | | | | | | | | | FID = 0.0 |
| | | | | | | Dark Brown | 0.8' – 1.8' – Fine-Medium SAND, some silt, trace coarse sand | SM/Fill | Moist (glass fragments) | PID = 0.0 |
| 4 | | | | | | | | | | FID = 31.6 |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – Track mounted (Rig 2) | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | Direct – Push | | |
| METHOD OF SOIL SAMPLING: | Macro – Core – open tube continuous to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase 1. Flag Number 575: Former Landfill area, Baseball Field FID/PID - C | BORING NO.: 346 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 347 |
| PROJECT NO.: | N1369 | START DATE: | 12/9/03 |
| LOGGED BY: | K. Jalkut | COMPLETION: DATE: | 12/9/03 |
| DRILLED BY (Company/Driller): | ADT/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JL |
| TRANSCRIBED BY: | LJD | | |
| ELEVATION FROM: | | | |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Ballfield - outfield | | | |
| | | 1.9' / 2' | SBP-SO-347-0002 Screening and confirmation 12/9/03 @ 1455 | | Loose | Red - Brown | SAND – trace silt; mostly fine-medium sand, poorly graded, roots | SP/Fill | Grass/root plug = approximately 3" | FID = 0.0 PID = 0.0 |
| 1 | | | | | | Tan – Gray | SAND – Fine-medium sand, poorly graded, seashells | | | |
| | | | | | Dense | Dark Brown | SAND – trace silt; fine-medium sand, trace coarse sand, organic roots, possible PACM – needle like fibers | | Compressed material, spongy – red-purple-brown | FID = 0.0 PID = 0.0 |
| 2 | | | | | Loose | Tan - Gray | SAND – fine-medium sand, poorly graded, seashells | | | FID = 0.0 PID = 0.0 |
| | | 1.6' / 2' | SBP-SO-347-0204 Screening 12/9/03 @ 1505 | | | | | | Damp | FID = 0.0 PID = 0.0 |
| 3 | | | | | | | | | | |
| | | | | | | | | | Damp | |
| 4 | | | | | | | | | | FID = 0.0 PID = 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite chips (4' -1') and topsoil (1'- 0') | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – 4 X 4 Mule | Notes: PACM = Potential asbestos-containing material | *Tetra Tech NUS, Inc.* |
| METHOD OF ADVANCING BORING: | Direct - Push | | |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Not Encountered | | |
| OTHER OBSERVATIONS: | Phase I. Flag No. 574; former Landfill area | BORING NO.: 347 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 347A |
| PROJECT NO.: | N1369 | START DATE: | 2/2/04 |
| LOGGED BY: | Neb Dedic | COMPLETION: DATE: | 2/2/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ D. Gooley | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JL |
| TRANSCRIBED BY: | DH | | |
| ELEVATION FROM: | | | |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | | | | |
| | | | | | | | Refer to Boring Log Number 347 for soil details from 0' to 4' bgs | | | |
| 4 | | | | | | | | | | |
| | | 2.0' / 2.0' | SBP-SO-347A-0406 | | Soft | Gray | SAND, trace silt | SW | Moist, organic odor, glass pieces | FID=520 PID=0.0 |
| 5 | | | 2/2/04 @ 1530 | | | | | | | |
| 6 | | | | | | | | | | |
| | | 1.5' / 2.0' | SBP-SO-347A-0608 | | | Gray/ Black | SAND, trace silt | | Moist, organic odor, glass, plastic | FID=2500 PID=0.0 |
| 7 | | | 2/2/04 @ 1590 | | | | | | | |
| 8 | | | | | | | | | Wet decomposed wood at bottom | |
| | | | | EOB @ 8' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE- 4x4 Mule |
| METHOD OF ADVANCING BORING: | DIRECT – PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | Approximately 7.5' |
| OTHER OBSERVATIONS: | Phase II Flag number 574 |

BORING NO.: 347A

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 348 |
| PROJECT NO.: | N1369 | START DATE: | 12/9/03 |
| LOGGED BY: | K. Jalkut | COMPLETION: DATE: | 12/9/03 |
| DRILLED BY (Company/Driller): | ADT/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JL |
| TRANSCRIBED BY: | LJD | | |
| ELEVATION FROM: | | | |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Ballfield - outfield | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 2' / 2' | SBP-SO-348-0002 Screening 12/9/03 @ 1515 | | Dense | Red - Brown | SAND – trace silt; fine-medium sand, poorly graded, roots, grass | SP/Fill | Damp Grass/root plug = approximately 4" | FID = 2.3 PID = 0.0 |
| 1 | | | | | Loose | Tan - Gray | SAND – trace gravel; fine-medium sand, poorly graded, 1 piece fine subrounded gravel to ½", seashells | | | FID = 3.1 PID = 0.0 |
| 2 | | | | | | Dark Gray | SAND-Fine-medium sand, poorly graded, seashells, 1 piece matted fiberous material (PACM) | | Damp Possible chemical odor | FID = 0.0 PID = 0.0 FID = 28 PID = 0.0 |
| 3 | | 2' / 2' | SBP-SO-348-0204 Screening 12/9/03 @ 1520 | | Dense | Dark Brown | Possible PEAT-organic soil with fine-medium sand intervals (1/8" thick), roots, reeds | PT | Strong organic odor | FID = 20 PID = 0.0 FID = 217 PID = 0.0 |
| 4 | | | | | | Black | Charcoal, burned layer, ash, twigs, brick pieces | Fill | Black and white/tan specks (possible ash) | FID = 80 PID = 0.0 |
| | | | | | | Dark Brown | SAND – some silt, trace gravel; fine-medium sand, trace coarse sand, trace fine gravel to ½" subrounded | SM/Fill | | FID = 522 PID = 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite chips (4' -1') and topsoil (1'- 0') | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – 4 X 4 Mule | Note: PACM = Potential asbestos-containing material | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | Direct - Push | | |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Not Encountered | | |
| OTHER OBSERVATIONS: | Phase I. Flag No. 549; former Landfill area | BORING NO.: 348 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 349 |
| PROJECT NO.: | N1369 | START DATE: | 12/10/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: LJD | COMPLETION: DATE: 12/10/03 |
| DRILLED BY (Company/Driller): | ADT/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Ballfield - outfield | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 2' / 2' | SBP-SO-349-0002 Screening 12/10/03 @ 0910 | | Dense | Red - Brown | SAND – some silt; fine-medium sand, poorly graded, organic roots | SM/Fill | Damp Grass/root plug = approximately 4" | FID = 2.4 PID = 0.0 |
| 1 | | | | | Loose | Tan - Gray | SAND – Fine-medium sand, poorly graded, seashells | SP/Fill | | FID = 0.0 PID = 0.0 |
| 2 | | | | | Dense | Dark Brown | Waste material/ SAND, some silt, trace gravel, matted material with shiny needle like fibers and organic roots. 1 piece fine gravel subrounded to ½" | SM/Fill | Purple-red color on fresh surface- PACM | FID = 0.0 PID = 0.0 |
| 3 | | 2' / 2' | SBP-SO-349-0204 Screening and confirmation 12/10/03 @ 0915 | | | | Fine-medium sand, some coarse sand, glass | | Spongy | FID = 21 PID = 0.0 FID = 54 PID = 0.0 |
| 4 | | | | | Loose | Tan - Gray | SAND – some gravel, fine-medium sand, poorly graded, fine-coarse gravel to ½-1" (possible trap rock/ Quartz pebbles) | | Dry | FID = 13 PID = 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' - Backfill with Bentonite chips (4' -1') and topsoil (1'- 0') | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – 4 X 4 Mule | Notes: PACM = Potential asbestos-containing material | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | Direct - Push | | |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Not Encountered | | |
| OTHER OBSERVATIONS: | Phase I. Flag No. 596; former Landfill area; upgrade to level C | BORING NO.: 349 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | BORING NO.: 350 |
| PROJECT NO.: | N1369 | | START DATE: 12/10/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: LJD | COMPLETION: DATE: 12/10/03 |
| DRILLED BY (Company/Driller): | ADT/S. Przybylski | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | Ballfield - outfield | | | |
| | | 1.6' / 2' | SBP-SO-350-0002 Screening 12/10/03 @ 0920 | | Dense | Red - Brown | SAND – trace silt, fine-medium sand, trace coarse sand, poorly graded, organic roots | SP/Fill | Damp Grass/root plug = approximately 3" | FID = 0.0 PID = 0.0 |
| 1 | | | | | | | | | | FID = 6.4 PID = 0.0 |
| | | | | | Loose | Dark Brown | SAND – some gravel, trace silt, fine-medium sand mostly, trace coarse sand, fine-coarse subrounded gravel to 1.25", roots, possible ash | | Dry | |
| 2 | | | | | | Gray | SAND - fine-coarse sand, poorly graded | | | FID = 0.0 PID = 0.0 |
| | | 1.6' / 2' | SBP-SO-350-0204 Screening 12/10/03 @ 0925 | | | Black | SAND - Fine-coarse sand, well graded, cloth, glass, ash, charred cardboard, cellulose, plastic | SW/Fill | Dry. Landfill waste | FID = 0.2 PID = 0.0 |
| 3 | | | | | | | | | | |
| | | | | | Dense | Dark Brown | Silty SAND – fine-medium sand, poorly graded, glass | SP/Fill | Chemical odor | FID = 1.4 PID = 0.0 |
| 4 | | | | | Loose | Gray-Tan | SAND – Fine-medium sand, poorly graded | | | FID = 111.2 PID = 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4'bgs - Backfill with Bentonite chips (4' -1') and topsoil (1'- 0') | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – 4 X 4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | Direct - Push | | |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Not Encountered | | |
| OTHER OBSERVATIONS: | Phase I. Flag No. 617; former Landfill area; | BORING NO.: 350 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 351 |
| PROJECT NO.: | N1369 | | | START DATE: | 12/10/03 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | RAC | COMPLETION: DATE: | 12/10/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling and Testing/Rob Ullmann | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | T. Dorgan |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.2' / 2' | SBP-SO-351-0002 Screening 12/10/03 @ 0945 | | Slightly Loose | Red Brown | 0' – 0.7' –SILT, some fine-medium sand, wood fragment, shell/bone pieces | OL | | PID = 0.0 |
| 1 | | | | | | | | | | FID = 0.0 |
| | | | | | | Brown | 0.7' – 1.2' – Fine-coarse SAND, some silt, some gravel | SW | | PID = 0.0 |
| 2 | | | | | | | | | | FID = 0.0 |
| | | 1.8' / 2' | SBP-SO-351-0204 Screening 12/10/03 @ 0950 | | | Brown | 0' – 1.1' – Similar to above | | | PID = 0.0 |
| 3 | | | | | | | | | | FID = 0.0 |
| | | | | | | Red Brown | 1.1' – 1.8' – Fine-Medium SAND, some silt, trace coarse sand and fine gravel | | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – Track mounted (Rig 2) | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | Direct – Push | | |
| METHOD OF SOIL SAMPLING: | Macro – Core – open tube continuous to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase 1. Flag Number 383: Former Landfill area, Soccer Field FID/PID - C | BORING NO.: 351 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 352 |
| PROJECT NO.: | N1369 | | | START DATE: | 12/10/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: | LJD | COMPLETION: DATE: | 12/10/03 |
| DRILLED BY (Company/Driller): | ADT/S. Przybylski | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Ballfield - outfield | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.7' / 2' | SBP-SO-352-0002 Screening 12/10/03 @ 0945 | | Dense | Red - Brown | SAND -- trace silt, fine-medium sand, poorly graded, organic roots/grass | SP/Fill | Damp Grass/root plug = approximately 3" | FID = 0.0 PID = 0.0 |
| 1 | | | | | Loose | Tan-gray | SAND - fine-medium sand, poorly graded, seashell fragments | | | |
| | | | | | | | | | Damp | FID = 0.0 PID = 0.0 |
| 2 | | | | | | | | | | |
| | | 1.9' / 2' | SBP-SO-352-0204 Screening 12/10/03 @ 0950 | | | | | | Saturated for approximately 8" and then dry | FID = 21 PID = 0.0 |
| 3 | | | | | | | | | | FID = 54 PID = 0.0 |
| | | | | | Dense | Black | SAND -- trace silt, trace gravel, fine-medium sand, poorly graded, coarse gravel to 1" subrounded, glass, charred wood, roots, reeds | | Dry – landfill waste | |
| 4 | | | | | Loose | Tan-Gray | SAND – Fine-medium sand, poorly graded, seashell | | Dry | FID = 13 PID = 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite chips (4' -1') and topsoil (1'- 0') | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – 4 X 4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | Direct - Push | | |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Not Encountered | | |
| OTHER OBSERVATIONS: | Phase I. Flag No. 597; former Landfill area; originally on outside of fence and brought in (moved less than 5') | BORING NO.: 352 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | |
| PROJECT NO.: | N1369 | | |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | RAC |
| DRILLED BY (Company/Driller): | Aquifer Drilling and Testing/Rob Ullmann | | |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | |

| | |
|---|---|
| BORING NO.: | 353 |
| START DATE: | 12/10/03 |
| COMPLETION: DATE: | 12/10/03 |
| MON. WELL NO.: | N/A |
| CHECKED BY: | T. Dorgan |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | | | | |
| | | 1.3' / 2' | SBP-SO-353-0002 Screening 12/10/03 @ 1000 | | Slightly Loose | Brown | 0' – 0.8' – SILT, some fine sand, some organics (roots), brick fragment | SM/Fill | Moist No odor | PID = 0.0 |
| 1 | | | | | | | | | | FID = 0.0 |
| | | | | | Slightly Dense | | 0.8' – 1.3' – Gravelly fine-coarse SAND, trace silt (angular fine gravel | SW/Fill | | PID = 0.0 |
| 2 | | | | | | | | | | FID = 0.0 |
| | | 1.9' / 2' | SBP-SO-353-0204 Screening 12/10/03 @ 1005 | | | | 0' – 0.5' – Similar to above | | | PID = 0.0 |
| 3 | | | | | | Gray | 0.5' – 1.6' – Fine-Medium SAND, some coarse sand, some shell fragments | | | FID = 0.0 |
| | | | | | | | | | | PID = 0.0 |
| 4 | | | | | | Black | 1.6' – 1.9' – PACM – Fibers in a soft matrix. Sample taken from this layer | Fill | Possible Waste | FID = 0.0 |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – Track mounted (Rig 2) | Note: PACM = Potentially asbestos containing material | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | Direct – Push | | |
| METHOD OF SOIL SAMPLING: | Macro – Core – open tube continuous to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase 1 Flag Number 382: Former Landfill area, Soccer Field FID/PID - C | BORING NO.: 353 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 353A |
| PROJECT NO.: | N1369 | START DATE: | 1/21/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/21/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling and Testing/M. Sarro | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD/ | CLR | MATERIAL CLASSIFICATION Soccer Field | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.7' / 2.0' | SBP-SO-353A-0002 Full Suite less dioxin and SPLP 1/21/04 @ 1045 | | | | Refer to Boring Log Number 353 for soil profiles from 0' to 4' bgs | | Grass, root plug = 3" No geomembrane visible No PACM/waste | FID = 0.0 PID = 0.0 |
| 2 | | | | | | | | | | |
| | | | SBP-SO-353A-0204 Full Suite 1/21/04 @ 1105 | | | | | | No visible membrane No visible PACM/waste | FID = 0.0 PID = 0.0 |
| 4 | | | | | | | | | | FID = 0.0 PID = 0.0 |
| | | | | | Loose | Brown-Gray | SAND, trace silt, some gravel. Fine-medium sand, mostly trace coarse sand, fine to coarse subangular gravel ½" – 1 ¼" organic roots, seashells, brick pieces | SP/ FILL | No visible membrane or PACM/waste | FID = 23 PID = 0.0 |
| 5 | | | | | Dense | Black | Silty SAND, fine-medium sand, poorly graded, organic reeds, roots, twigs, organic fibers, coiled metal fillings to 2" length (tight coils) | SM/ FILL | Organic odor | FID = 1796 PID = 0.0 |
| | | 2.0' / 2.0' | SBP-SO-353A-0406 Full Suite less dioxin and SPLP 1/21/04 @ 1130 | | | | | | | |
| 6 | | | | | | Black - Brown | Silty SAND, trace gravel, mostly fine sand, poorly graded. One piece coarse gravel to 1" subangular, rock fragments (broken) organic roots, reeds, plastic pieces | | | FID = 886 PID = 0.0 |
| | | | | | Loose | Tan - Brown | SAND, fine-medium sand, poorly graded, seashells | SP/ FILL | Damp No visible PACM/waste | FID = 1238 PID = 0.0 |
| 7 | | | | | | | SAND, some gravel, fine-medium sand, poorly graded fine coarse subrounded subangular gravel ½" – 1 ½" rock fragments (broken) | | | |
| | | 1.7' / 2.0' | SBP-SO-353A-0608 Full Suite less dioxin and SPLP 1/21/04 @ 1350 | | | Black | Similar to above (petroleum like odor) | | petroleum odor Damp | FID = 889 PID = 0.0 |
| 8 | | | | | | Brown | FILL, newspaper, glass, wood chunks (not burned) | Fill | | FID = 870 PID = 0.0 |
| | | | | | | Dark Brown | Silty SAND, trace gravel, fine-medium sand poorly graded, fine gravel subrounded to ½", seashells, organics | SM/ FILL | Damp | FID = 778 PID = 0.0 |
| 9 | | | | | | | SAND, fine sand, poorly graded, seashells, trace fine gravel to ½" subrounded | SP/ FILL | | |
| | | 1.6' / 2.0' | SBP-SO-353A-0810 Full Suite less dioxin and SPLP 1/21/04 @ 1450 | | | Black | SAND, some silt, some gravel. Fine-medium sand poorly graded, fine-coarse gravel ½" – 1" subrounded, glass, burned wood, ash | SM/ FILL | Wet / saturated | FID = 114 PID = 0.0 |
| 10 | | | | EOB @ 10' bgs | | | EOB at 10' bgs – Backfill 10' – 1' with Bentonite chips and topsoil (1' – 0') | | | FID = 14 PID = 0.0 |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track mounted (Rig 4) LT 54 | Note: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | Direct Push | PACM = Potential asbestos containing material | |
| METHOD OF SOIL SAMPLING: | Macro-Core Open tube. Continuous sampling in 2' intervals | Full Suite = SVOCs, Pesticides/PCBs, metals, dioxin, SPLP metals and PCBs, asbestos, and VOCs | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Water table at approximately 10' bgs (1.5" $H_2O$ in bottom per driller) | | |
| OTHER OBSERVATIONS: | Phase II – Flag number 382 – FID and PID = E, Former Landfill Area | BORING NO.: 353A | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | BORING NO.: 354 |
| PROJECT NO.: | N1369 | | START DATE: 12/10/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: LJD | COMPLETION: DATE: 12/10/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Ballfield - outfield | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.9' / 2' | SBP-SO-354-0002 Screening 12/10/03 @ 1015 | | Dense | Red - Brown | SAND – trace silt | SP/Fill | Damp – grass/root plug approximately 3.5" | FID = 0.0 PID = 0.0 |
| 1 | | | | | Loose | Tan - Gray | SAND - fine-medium sand, poorly graded, seashells | | Dry | |
| | | | | | | | | | | FID = 0.0 PID = 0.0 |
| 2 | | | | | | | | | | FID = 12 PID = 0.0 |
| | | 1.8' / 2' | SBP-SO-354-0204 Screening 12/10/03 @ 1025 | | Dense | Brown | Compressed organic material, fine-medium SAND, poorly graded, roots, reeds | PT/SP Mix | Organic roots and reeds | FID = 0.5 PID = 0.0 |
| 3 | | | | | | | | | | FID = 2.5 PID = 0.0 |
| | | | | | | | | | Dry | |
| 4 | | | | | | | PACM at end, shiny needle like fibers | | | FID = 76 PID = 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with bentonite chips (4' – 1') and topsoil (1' – 0') | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | Geoprobe 4 X 4 Mule | | *Tetra Tech NUS, Inc.* |
| METHOD OF ADVANCING BORING: | Direct-Push | Note: | |
| METHOD OF SOIL SAMPLING: | Macro-core open tube. Continuous to 4' in 2' intervals | PACM = Potential asbestos containing material | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 527; former landfill area | BORING NO.: 354 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | |
| PROJECT NO.: | N1369 | | |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | RAC |
| DRILLED BY (Company/Driller): | Aquifer Drilling and Testing/Rob Ullmann | | |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | |

| | |
|---|---|
| BORING NO.: | 355 |
| START DATE: | 12/10/03 |
| COMPLETION: DATE: | 12/10/03 |
| MON. WELL NO.: | N/A |
| CHECKED BY: | T. Dorgan |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | | | | |
| | | 1.7' / 2.0' | SBP-SO-355-0002 Screening 12/10/03 @ 1025 | | Slightly Loose | Brown | 0' – 0.9' – Silty fine SAND, some organics (roots) | SM | Moist | PID = 0.0 |
| 1 | | | | | | | | | | FID = 0.0 |
| | | | | | | Red Brown | 0.9' – 1.7' – Fine-coarse SAND, trace gravel – appears oxidized | SW | | |
| 2 | | | | | | | | | | |
| | | 1.9' / 2.0' | SBP-SO-355-0002 Screening 12/10/03 @ 1030 | | | Gray | 0' – 1.6' – Fine-Medium SAND, trace shells | SP | | PID = 0.0 |
| 3 | | | | | | | | | | FID = 0.0 |
| 4 | | | | | Slightly Dense | Dark | 1.6' – 1.9' – SILT, trace fine sand. When broken open, has numerous very fine fibers - PACM | ML/Fill | Possible Waste | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – Track mounted (Rig 2) | Note: PACM = Potentially asbestos containing material | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | Direct – Push | | |
| METHOD OF SOIL SAMPLING: | Macro – Core – open tube continuous to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase 1. Flag Number 381: Former Landfill area, Soccer Field | BORING NO.: 355 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 355A |
| PROJECT NO.: | N1369 | START DATE: | 1/21/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/21/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling and Testing/M. Sarro | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 2.0' / 2.0' | SBP-SO-355A-0002 Full Suite, DAS metals less dioxin and SPLP 1/21/04 @ 0845 | | | | Soccer Field<br>Refer to Boring Log Number 355 for soil profiles from 0' to 4' bgs | | Grass/root plug approximately 2" Geomembrane at approximately 2'. No visible PACM | FID = 0.0 PID = 0.0 |
| 2 | | | | | | | | | | |
| | | 2.0' / 2.0' | SBP-SO-355A-0204 Full Suite 1/21/04 @ 0917 | | | | | | Visible PACM/waste at 3.4' – 4' | FID = 0.0 PID = 0.0 |
| 4 | | | | | | | | | | FID = 155 PID = 0.0 |
| | | | | | Loose | Tan - Gray | SAND, fine sand, trace medium sand, poorly graded, seashells | SP/Fill | Damp No visible PACM/waste 4.1' – 4.9' | FID = 12 PID = 0.0 |
| 5 | | | | | | Red Brown | SAND, trace silt, trace gravel. Fine-medium sand, poorly graded, fine and coarse subrounded gravel ½" to 1 ½" | | | FID = 961 PID = 0.0 |
| | | 2.0' / 2.0' | SBP-SO-355A-0406 Full Suite, DAS metals less dioxin and SPLP 1/21/04 @ 0955 | | Dense | Black Brown | WASTE – compressed fibrous material, with long shiny fibers, similar to sand – silt mix | Waste | Visible PACM/Waste at 5' – 5.6', Damp | FID = 68 PID = 0.0 |
| 6 | | | | | | Black | SILT, some sand. Fine sand poorly graded | SM/Fill | | FID = 130 PID = 0.0 |
| | | | | EOB @ 6' bgs | | | Silty SAND, some gravel, fine-coarse sand well graded, fine-coarse subrounded gravel ½ - 1 ½ , clinkers, ash, organics | | Wet silt-sand mix | |
| | | | | | | | EOB at 6' bgs – Backfill (6' – 1') with Bentonite chips and topsoil (1' – 0') | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track mounted (Rig 4) LT 54 |
| METHOD OF ADVANCING BORING: | Direct Push |
| METHOD OF SOIL SAMPLING: | Macro-Core Open tube. Continuous sampling in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | Water table approximately 6' – 2" $H_2O$ in borehole per driller |
| OTHER OBSERVATIONS: | Phase II – Flag number 381 – FID and PID = E, Former Landfill Area |

Note:
PACM = Potential asbestos containing material
Full Suite = SVOCs, Pesticides/PCBs, metals, dioxin, SPLP metals and PCBs, asbestos, and VOCs

BORING NO.: 355A

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 356 |
| PROJECT NO.: | N1369 | START DATE: | 12/10/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: LJD | COMPLETION: DATE: 12/10/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Ballfield - outfield | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 2' / 2' | SBP-SO-356-0002 Screening 12/10/03 @ 1035 | | Dense | Red - Brown | SAND – trace silt, trace gravel, fine-medium sand mostly, poorly graded, coarse gravel subrounded to 1 ¼" | SP/Fill | Grass/root plug = approximately 3" | FID = 0.0 PID = 0.0 |
| 1 | | | | | Loose | Tan - Gray | SAND – fine-medium, poorly graded, seashells | | Damp | FID = 0.0 PID = 0.0 |
| | | | | | Dense | Black | Matted ORGANICS with fine-medium SAND intervals up to ½" thick and coarse gravel to 1" subrounded, organic fibers | PT/SP Fill | Dry Possible trap rock | |
| 2 | | | | | | | | | | FID = 0.0 PID = 0.0 |
| | | 1.5' / 2' | SBP-SO-356-0204 Screening 12/10/03 @ 1040 | | | | Silty SAND, trace gravel, fine-medium sand, trace coarse sand, poorly graded, coarse gravel, subrounded to 1", matted organic fibers (mix) | SM/Fill | Crushed stone pieces Wet | FID = 86 PID = 0.0 |
| 3 | | | | | | | | | | FID = 0.0 PID = 0.0 |
| | | | | | Loose | White | Crushed STONE/GRAVEL | GP | Dry | |
| 4 | | | | | | Black | SAND, some gravel, fine-coarse sand, well graded fine-coarse gravel, ½ - ¾ " subrounded, metal fragments to 2", glass, charcoal | SW/Fill | | FID = 0.0 PID = 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with bentonite chips (4' – 1') and topsoil (1' – 0') | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | Geoprobe 4 X 4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | Direct-Push | | |
| METHOD OF SOIL SAMPLING: | Macro-core open tube. Continuous to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 595; former landfill area | BORING NO.: 356 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 357 |
| PROJECT NO.: | N1369 | START DATE: | 12/10/03 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: RAC | COMPLETION: DATE: 12/10/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.6' / 2' | SBP-SO-357-0002 Screening 12/10/03 @ 1040 | | Slightly Loose | Red-Brown | 0' – 0.9' – Sandy (fine sand) SILT, some organics (grass, roots) | OL | Moist | PID = 0.0 |
| 1 | | | | | | | | | | FID = 0.0 |
| | | | | | | Brown | 0.9' – 1.6' – Fine coarse SAND, trace silt, trace fine gravel | SW | | |
| 2 | | | | | | | | | | |
| | | 1.9' / 2' | SBP-SO-357-0204 Screening 12/10/03 @ 1045 | | | Red-Brown | 0' – 0.4' – Medium to coarse SAND | SP | | PID = 0.0 |
| 3 | | | | | | | 0.4' – 0.9' – Sandy SILT (fine sand) | ML | | FID = 0.0 |
| | | | | | | Gray | 0.9' – 1.2' – Fine-medium SAND | SP | | PID = 0.0 |
| 4 | | | | | Slightly Dense | Dark Brown | 1.2' – 1.9' – Compacted SILT, when pulled apart, has very fine fibers - PACM | ML/Fill | | FID = 0.0 |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) | Note: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | PACM = Potential asbestos containing material | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 380 Former Landfill Area – Soccer Field FID/PID = C | BORING NO.: 357 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 357A |
| PROJECT NO.: | N1369 | START DATE: | 1/21/04 |
| LOGGED BY: | J. Lambert | COMPLETION: DATE: | 1/21/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JD |

TRANSCRIBED BY: RAC

ELEVATION FROM:

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | SBP-SO-357A-0002 Full Suite, less dioxin and SPLP 1/21/04 @ 0950 | | | | Refer to Boring Log Number 357 for soil profile details from 0' – 4' bgs | | | |
| 1 | | | | | | | | | | |
| | | | | | | | | | (geomembrane) | |
| 2 | | | | | | | | | | |
| | | | SBP-SO-357A-0204 Full Suite, less dioxin and SPLP 1/21/04 @ 1005 | | | | | | | |
| 3 | | | | | | | | | | |
| | | | | | | | | | | |
| 4 | | | | | | | | | | |
| | | 1.6' / 2' | SBP-SO-357A-0406 Full Suite 1/21/04 @ 1035 | | Slightly Dense | Black | 0' – 0.4' – Fine sandy SILT, PACM fibers scattered throughout, trace gravel | ML/Fill | Moist PACM noted in sample | PID = 0.0 |
| 5 | | | | | Slightly Loose | Gray | 0.4' – 0.8' – Fine-medium SAND | SP | | FID = 0.2 |
| | | | | | | Black Dark Gray | 0.8' – 1.2' – Silty fine-medium SAND, some glass 1.2' – 1.4' – Fine sandy SILT | SM/Fill | | |
| 6 | | | | | | Black | 1.4' – 1.6' – Cinder (large) | Fill | | |
| | | 1.4' / 2' | SBP-SO-357A-0608 Full Suite, less dioxin and SPLP 1/21/04 @ 1100 | | Slightly Dense | Gray Red-Gray | 0' – 0.1' – Fine-medium SAND 0.1' – 0.4' – Fine-medium SAND, some gravel | SP | Wet – petroleum odor | PID = 0.0 |
| 7 | | | | | | Dark Brown | 0.4' – 0.5' – Silty fine to coarse SAND, trace subrounded gravel, some cloth (fragment) | SM/Fill | | FID = 20.8 |
| | | | | | | Light Gray | 0.5' – 0.6' – Mica, crushed | ---- | PACM noted in sample | |
| 8 | | | | | | Black | 0.6' – 1.4' – Silty fine-medium SAND, trace paper, some glass | SM/Fill | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | Approximately 6' bgs |
| OTHER OBSERVATIONS: | Phase II Old Flag Number 380 Former Landfill Area – Soccer Field FID/PID = F |

Note:
Full Suite = SVOCs, Pesticides/PCBs, metals, dioxin, SPLP metals and PCBs, asbestos, and VOCs
PACM = Potential asbestos containing material

BORING NO.: 357A

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | BORING NO.: 357A |
| PROJECT NO.: | N1369 | | START DATE: 1/21/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/21/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/Rob Ullmann | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 8 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.2' / 2' | SBP-SO-357A-0810<br>Full Suite, less dioxin and SPLP<br>1/21/04 @ 1150 | | Slightly Dense | Light Gray<br>Dark Gray | 0' – 0.2' – Fine-medium SAND<br>0.2' – 0.3' – Silty fine SAND, some gravel | SP<br>SM | Wet<br>petroleum odor | |
| 9 | | | | | | | 0.3' – 0.5' – Silty fine to coarse SAND, some organic material, possible hay | | | |
| | | | | | | Black | 0.5' – 0.7' – WOOD, 1 piece copper wire<br>0.7' – 1.1' – Silty fine SAND | Fill<br>SM | trace glass | |
| 10 | | | | | | Gray | 1.1' – 1.2' – GRAVEL, coarse | GP | | |
| | | 1.4' / 2' | SBP-SO-357A-1012<br>Full Suite, less dioxin and SPLP<br>1/21/04 @ 1400 | | Slightly Loose | Dark Brown | Fine sandy SILT, some organics, trace coarse sand, trace shell | OL | | PID = 0.0 |
| 11 | | | | | | | | | | FID = 7.5 |
| 12 | | | | | | | | | | |
| | | | | EOB @ 12' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) | Note: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | Full Suite = SVOCs, Pesticides/PCBs, metals, dioxin, SPLP metals and PCBs, asbestos, and VOCs | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | PACM = Potential asbestos containing material | |
| GROUNDWATER LEVELS: | Approximately 6' bgs | | |
| OTHER OBSERVATIONS: | Phase II Old Flag Number 380 Former Landfill Area – Soccer Field FID/PID = F | BORING NO.: 357A | PAGE: 2 OF 2 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 358 |
| PROJECT NO.: | N1369 | START DATE: | 12/10/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: LJD | COMPLETION: DATE: 12/10/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Ballfield – fringe of outfield and infield | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.8' / 2' | SBP-SO-358-0002 Screening 12/10/03 @ 1050 | | Dense | Red - Brown | SAND – trace silt, fine-medium sand, poorly graded, roots | SP/Fill | Grass/root plug = approximately 3" | FID = 0.0 PID = 0.0 |
| 1 | | | | | Loose | Tan - Gray | SAND – fine-medium, poorly graded, seashells | | Damp | |
| | | | | | | | | | Damp | FID = 0.0 PID = 0.0 |
| 2 | | | | | | | | | | |
| | | 2' / 2' | SBP-SO-358-0204 Screening 12/10/03 @ 1100 | | | | | | Dry | FID = 0.0 PID = 0.0 |
| 3 | | | | | Dense | Black | MATTED MATERIAL – compressed and firm, mix of organic roots, reeds, silty sand (fine-medium sand, trace coarse sand, poorly graded), glass, rubber rings, metal | PT/SP Fill | | |
| | | | | | | | | | Dry | FID = 0.0 PID = 0.0 |
| 4 | | | | | Loose | Tan-gray | SAND – trace gravel (coarse gravel to 1" subrounded) (fine-medium sand, trace coarse sand) | SP/Fill | | FID = 0.0 PID = 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with bentonite chips (4' – 1') and topsoil (1' – 0') | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | Geoprobe 4 X 4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | Direct-Push | | |
| METHOD OF SOIL SAMPLING: | Macro-core open tube. Continuous to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 573; former landfill area | BORING NO.: 358 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 359 |
| PROJECT NO.: | N1369 | | | START DATE: | 12/10/03 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 12/10/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.6' / 2.0' | SBP-SO-359-0002 Screening 12/10/03 @ 1100 | | Slightly Loose | Brown | 0' - 1.0' - Silty, fine-coarse SAND | SM | | PID=0.0 FID=0.0 |
| 1 | | | | | | | 1.0' - 1.6' - Fine- coarse SAND, some silt | | | |
| 2 | | | | | | | | | | |
| | | 1.9' / 2.0' | SBP-SO-359-0204 Screening 12/10/03 @ 1105 | | | Red-Brown | 0' - 0.6' - Medium-coarse SAND<br>0.6' - 1.5' - Sandy (fine-coarse sand) SILT | SP<br>ML | 1" piece of material (matted together) in Macro-core (geotextile) | PID=0.0 FID=0.0 |
| 3 | | | | | | | | | | |
| | | | | | | Brown | 1.5' - 1.7' - (color change only) | | | |
| 4 | | | | | | Gray | 1.7' - 1.9' - Fine-medium SAND, trace shell fragments | SP | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | | | |
|---|---|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) | | | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | | | |
| METHOD OF ROCK CORING: | N/A | | | | |
| GROUNDWATER LEVELS: | | | | | |
| OTHER OBSERVATIONS: | Phase I FID= C PID= C | Flag number 379 | Former Landfill area - Soccer field | BORING NO.: 359 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 360 |
| PROJECT NO.: | N1369 | START DATE: | 12/10/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 12/10/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | NA | | | | | | Ballfield – Infield Area | | | | |
| | | 2' / 2' | SBP-SO-360-0002 Screening 12/10/03 @ 1135 | | Dense | Red - Brown | SAND, trace silt. Fine-medium sand, poorly graded, organic roots | SP/Fill | Grass/root plug – approximately 2" Damp | 0.0 | 0.0 |
| 1 | | | | | | | | | | | |
| | | | | | Loose | Tan - Gray | SAND. Fine-medium sand, poorly graded, seashells | | Dry | | |
| 2 | | | | | | | | | | 0.0 | 0.0 |
| | | 1.8' / 2' | SBP-SO-360-0204 Screening 12/10/03 @ 1140 | | | | | | Saturated sand | 4.7 | 0.0 |
| 3 | | | | | Dense | Black | Compressed ORGANIC MATERIAL, with fine-medium sand, trace coarse sand, trace silt, fine and coarse subrounded gravel to 1", clay sized particles (gray), organics, reeds | Fill/PT/ SP | Dry | | |
| | | | | | | | | | | 17.2 | 0.0 |
| 4 | | | | | | | | | | 13.6 | 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with Bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 572 | BORING NO.: 360 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 361 |
| PROJECT NO.: | N1369 | | | START DATE: | 12/10/03 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 12/10/03 |
| DRILLED BY (Company/Driller): | AQUIFER DRILLING & TESTING/ Rob | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.5' / 2.0' | SBP-SO-361-0002 Screening 12/10/03 @ 1125 | | Slightly Loose | Red-Brown | 0' - 0.7' - Sandy SILT, fine sand | ML | Moist | PID=0.0 FID=0.0 |
| 1 | | | | | | | | | | |
| | | | | | Loose | Brown | 0.7' - 1.5' - Fine-coarse SAND, some gravel (rounded) | SW | | |
| 2 | | | | | | | | | | |
| | | 1.8' / 2.0 | SBP-SO-361-0204 Screening 12/10/03 @ 1130 | | Slightly Loose | Red Brown | 0' - 1.0' - Fine-medium SAND | SP | | PID=0.0 FID=0.0 |
| 3 | | | | | | Dark Brown | 1.0' - 1.5' - Fine-medium SAND, some silt | | Geosynthetic liner material at approximately 3.5' | |
| | | | | | | Black | 1.5' - 1.8' - Silty, fine-coarse SAND, trace gravel, also, wood pieces(blackened), trace charcoal | SM/Fill | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | | | |
|---|---|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) | | | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | | | |
| METHOD OF ROCK CORING: | N/A | | | | |
| GROUNDWATER LEVELS: | | | | | |
| OTHER OBSERVATIONS: | Phase I FID= C PID= C | Flag number 378 | Former Landfill area – Soccer field | BORING NO. 361 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 362 |
| PROJECT NO.: | N1369 | START DATE: | 12/10/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 12/10/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Ballfield - infield | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.8' / 2' | SBP-SO-362-0002 Screening 12/10/03 @ 1155 | | Dense | Red Brown | SAND, trace silt. Fine-medium sand, poorly graded, organic roots | SP/Fill | Grass/roots plug = approximately 3" Damp | 0.0 | 0.0 |
| 1 | | | | | Loose | Tan - Gray | SAND. Fine-medium sand, poorly graded, seashells | | | | |
| 2 | | | | | | | | | | 0.0 | 0.0 |
| 3 | | 1.8' / 2' | SBP-SO-362-0204 Screening 12/10/03 @ 1200 | | | | | | Damp | 0.0 | 0.0 |
| | | | | | Dense | Dark Brown | SAND/MATTED ORGANIC MATERIAL. Fine-medium sand, trace coarse sand, roots, reeds, poorly graded | Fill | Compressed fill | 0.0 | 0.0 |
| 4 | | | | | Loose | Tan - Gray | SAND. Fine-medium sand, poorly graded, seashells | SP/Fill | | 0.0 | 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite (4'-1') and topsoil (1'-0') | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 545 Former Landfill Area | BORING NO.: 362 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | BORING NO.: 363 |
| PROJECT NO.: | N1369 | | START DATE: 12/10/03 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 12/10/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.3' / 2.0' | SBP-SO-363-0002 Screening 12/10/03 @ 1145 | | Slightly Loose | Red-Brown | 0' - 0.9' - Silty, fine-medium SAND, some loose sand, trace gravel, topsoil/grass top 0.3' | SM | Moist | PID=0.0 FID=0.0 |
| 1 | | | | | | | | | | |
| | | | | | Slightly Dense | Brown | 0.9' - 1.3' - Gravelly, fine-coarse SAND | SW | | |
| 2 | | | | | | | | | | |
| | | 1.7' / 2.0' | SBP-SO-363-0204 Screening 12/10/03 @ 1150 | | | | 0' - 1.4' - Similar to above | | | PID=0.0 FID=0.0 |
| 3 | | | | | | | | | | |
| | | | | | Slightly Loose | Red-Brown | 1.4' - 1.7' - Fine-medium SAND, trace coarse sand | SP | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | | |
|---|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) | | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | | |
| METHOD OF ROCK CORING: | N/A | | | |
| GROUNDWATER LEVELS: | | | | |
| OTHER OBSERVATIONS: | Phase I FID=C PID= C Flag number 396 Former Landfill area – Soccer field | BORING NO.: 363 | | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 364 |
| PROJECT NO.: | N1369 | START DATE: | 12/10/03 |
| LOGGED BY: | J. Lambert | COMPLETION: DATE: | 12/10/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JD |

TRANSCRIBED BY: DH

ELEVATION FROM:

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.5' / 2.0' | SBP-SO-364-0002 Screening 12/10/03 @ 1300 | | Slightly Loose | Brown | 0' - 0.2' - Grass and roots, (topsoil) 0.2' - 0.6' - Sandy SILT (fine-medium sand) | ML | Moist | PID=0.0 FID=0.0 |
| 1 | | | | | | | | | | |
| | | | | | | Red Brown | 0.6' - 1.1' - Silty SAND (fine-medium sand) | SM | | |
| 2 | | | | | Loose | Light Brown | 1.1' - 1.5' - Fine-coarse SAMD, some gravel, trace silt | SW | | |
| | | 1.7' / 2.0' | SBP-SO-364-0204 Screening 12/10/03 @ 1305 | | | | 0' - 0.7' - Similar to above | | | PID=0.0 FID=0.0 |
| 3 | | | | | Slightly Loose | Red Brown | 0.7' - 1.5' - Medium-coarse SAND, trace gravel | SP | | |
| | | | | | | | 1.5' - 1.7' - Sandy SILT (fine sand) | ML | | PID=0.0 FID=0.0 |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | Note: | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | *No recovery 1st sleeve, 3 sleeves collected at this location | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I FID= C PID= C Flag number 397 Former Landfill area – Soccer field | BORING NO.: 364 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 365 |
| PROJECT NO.: | N1369 | | | START DATE: | 12/10/03 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 12/10/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.4' / 2.0' | SBP-SO-365-0002 Screening 12/10/03 @ 1325 | | Slightly Loose | Brown | 0' - 0.9' - Sandy (fine sand) SILT, grass and roots at top | SM | Moist | PID=0.0 FID=0.0 |
| 1 | | | | | | | | | | |
| | | | | | | Light Brown | 0.9' - 1.4' - Fine-coarse SAND, some gravel, some silt - charcoal fragments | SW/Fill | | PID=0.0 FID=0.0 |
| 2 | | | | | | | | | | |
| | | 1.8' / 2.0' | SBP-SO-365-0204 Screening 12/10/03 @ 1330 | | | | 0' - 0.2' - Similar to above | | | PID=0.0 FID=0.0 |
| 3 | | | | | | Dark Red | 0.2' - 1.0' - Medium-coarse SAND, some fine sand | SM | Moist-wet | |
| | | | | | | Tan/ Gray | 1.0' - 1.8' - Fine-coarse SAND, some shell fragments | SW | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| | | | | | |
|---|---|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) | | | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | | | |
| METHOD OF ROCK CORING: | N/A | | | | |
| GROUNDWATER LEVELS: | | | | | |
| OTHER OBSERVATIONS: | Phase I FID=C PID=C | Flag number 398 | Former Landfill area – Soccer field | BORING NO.: 365 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | BORING NO.: 366 |
| PROJECT NO.: | N1369 | | START DATE: 12/10/03 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 12/10/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.4' / 2.0' | SBP-SO-366-0002 Screening 12/10/03 @ 1350 | | Slightly Loose | Brown | 0' - 1.1' - Sandy (fine-medium sand) SILT | ML | | PID=0.0 FID=0.0 |
| 1 | | | | | | | | | | |
| | | | | | | Light Brown | 1.1' - 1.4' - Fine-coarse SAND, trace gravel, trace silt | SW | | |
| 2 | | | | | | | | | | |
| | | 1.9' / 2.0' | SBP-SO-366-0204 Screening 12/10/03 @ 1355 | | | | 0' - 0.4' - Fine-coarse SAND, some fine gravel, trace silt, trace charcoal fragments | SW/Fill | | PID=0.0 FID=0.0 |
| 3 | | | | | | Dark | 0.4' - 0.8' - Fine-coarse SAND, trace gravel | SW | | |
| | | | | | | Brown | 0.8' - 1.3' - Fine-medium SAND, some coarse sand, trace shell fragments | | | |
| 4 | | | | | | Gray | 1.3' - 1.9' - Fine-coarse SAND, trace shell fragments | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID= C PID= C Flag number 399 Former Landfill area – Soccer field |

BORING NO.: 366

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 367 |
| PROJECT NO.: | N1369 | START DATE: | 12/10/03 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 12/10/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.4' / 2.0' | SBP-SO-367-0002 Screening 12/10/03 @ 1420 | | Slightly Loose | Brown | 0' - 0.2' - Root plug<br>0.2' - 1.1' - Silty fine-coarse SAND, trace gravel | SM | | PID=0.0<br>FID=0.0 |
| 1 | | | | | | | | | | |
| | | | | | | Light Brown | 1.1' - 1.4' - Fine-coarse SAND, some gravel, trace silt | SW | | |
| 2 | | | | | | | | | | |
| | | 1.6' / 2.0' | SBP-SO-367-0204 Screening 12/10/03 @ 1425 | | | | Similar to above | | | PID=0.0<br>FID=0.0 |
| 3 | | | | | | | | | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID= C PID= C Flag number 407 Former Landfill area – Soccer field |

BORING NO.: 367

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 368 |
| PROJECT NO.: | N1369 | START DATE: | 12/10/03 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 12/10/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.2' / 2.0' | SBP-SO-368-0002 Screening 12/10/03 @ 1435 | | Slightly Loose | Brown | 0' - 0.8' - Sandy SILT (fine-medium sand) | ML | | PID=0.0 FID=0.0 |
| 1 | | | | | | | | | | |
| | | | | | | Light Brown | 0.8' - 1.2' - Fine-coarse SAND, some silt, some gravel | SW | | |
| 2 | | | | | | | | | | |
| | | 1.9' / 2.0' | SBP-SO-368-0204 Screening 12/10/03 @ 1440 | | | | 0' - 1.0' - Gravelly, fine-coarse SAND, some silt | | | PID=0.0 FID=0.0 |
| 3 | | | | | | | | | | |
| | | | | | Dense | Dark | 1.0' - 1.4' - Medium-coarse SAND, 1.4' - 1.7' - SILT, some fine sand | SP ML | | |
| 4 | | | | | Slightly Loose | Black | 1.7' - 1.9' - Fine-medium SAND, some silt | SP | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID= C PID= C Flag number 406 Former Landfill area – Soccer field BORING NO.: 368 |

*Tetra Tech NUS, Inc.*

PAGE: 1 OF 1

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 368A |
| PROJECT NO.: | N1369 | | | START DATE: | 1/27/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: | RAC | COMPLETION: DATE: | 1/27/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling and Testing/M. Sarro | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | | | | |
| | | | No samples for analysis 0' - 2' | | | | Refer to Boring Log Number 368 for soil profile descriptions 0-4' | | No sample – driller uses point from 0' – 4' | No Readings |
| 2 | | | | | | | | | | |
| | | | No samples for analysis 2' - 4' | | | | | | 4' drilling No sleeves 0' – 4' | |
| 4 | | | | | | | | | | |
| | | 1.8' / 2.0' | SBP-SO-368A-0406 Screening (Phase 2) Non Raymark waste location 1/27/04 @ 1550 | | Loose | Tan-Gray | SAND, fine-medium sand, poorly graded, seashells | SP/Fill | No visible PACM or waste | FID = 0.0 PID = 0.0 |
| | | | | | | | | | | FID = 24 PID = 0.0 |
| 1 sleeve = 2' | | | | | | | | | | FID = 42 PID = 0.0 |
| 6 | | | | | Dense | Dark Brown | Sandy SILT, some organics, fine-medium sand mixed with silt and organic roots, reeds | OL/Fill | Compressed organic layer at end of sleeve | FID = 0.0 PID = 0.0 |
| | | 1.8' / 2.0' | SBP-SO-368A-0608 Screening and Confirmation 1/27/04 @ 1600 | | | | Silty SAND, some gravel, some organics, fine-medium sand, trace coarse sand poorly graded, fine-coarse gravel, subangular to 1 ½" | SM/Fill | No visible PACM or waste | FID = 263 PID = 0.0 |
| 1 sleeve = 2' | | | | | | | | | | FID = 154 PID = 0.0 |
| | | | | | | | - metal (possible foil) | | | FID = 57 PID = 0.0 |
| 8 | | | | | | | EOB @ 8' bgs - Backfill with Bentonite chips (8' -1') and topsoil (1'- 0') | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – LT 54 | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | Direct – Push Technique | | |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous sampling in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Approximately 7.8' bgs (driller reports water in borehole at 7.8') | | |
| OTHER OBSERVATIONS: | Phase 2 - Flag No. 406; former Landfill area – Soccer Field; Screening samples only | BORING NO.: 368A | PAGE: 1 OF 1 |

TtNUS Form 0018

BORING LOG FOR: Raymark OU9 RI/FS
PROJECT NO.: N1369
LOGGED BY: J. Lambert
DRILLED BY (Company/Driller): Aquifer Drilling & Testing/ Rob Ullmann
GRD. SURFACE ELEVATION:

TRANSCRIBED BY: DH
ELEVATION FROM:

BORING NO.: 369
START DATE: 12/10/03
COMPLETION: DATE: 12/10/03
MON. WELL NO.: N/A
CHECKED BY: JD

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.3' / 2.0' | SBP-SO-369-0002 Screening 12/10/03 @ 1505 | | Slightly Loose | Brown | 0' - 0.2' - Root plug<br>0.2' - 0.6' - SILT, some fine sand, grass | ML | Moist | PID=0.0<br>FID=0.0 |
| 1 | | | | | | | | | | |
| | | | | | | Light Brown | 0.6' - 1.3' - Fine-coarse SAND, some gravel, (fine, subrounded), trace silt | SW | | |
| 2 | | | | | | | | | | |
| | | 1.7' / 2.0' | SBP-SO-369-0204 Screening 12/10/03 @ 1510 | | | Dark Red | 0' - 0.2' - Similar to above<br>0.2' - 0.9' - Fine-medium SAND, some silt | SP | | PID=0.0<br>FID=0.0 |
| 3 | | | | | | Orange-Red | 0.9' - 1.4' - Fine-medium SAND | | | |
| | | | | | Slightly Dense | Dark Red | 1.4' - 1.6' - Sandy (fine sand) SILT | ML | Moist-wet<br>Geotechnical fabric approximately 3.5' | |
| 4 | | | | | Slightly Loose | Gray | 1.6' - 1.7' - Fine SAND, some medium sand | SP | | |
| | | | | EOB @ 4' bgs | | | | | | |

TYPE OF DRILLING RIG: GEOPROBE – Track- mounted (Rig 2)
METHOD OF ADVANCING BORING: DIRECT- PUSH
METHOD OF SOIL SAMPLING: MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals
METHOD OF ROCK CORING: N/A
GROUNDWATER LEVELS:
OTHER OBSERVATIONS: Phase I FID=C PID=C Flag number 405 Former Landfill area – Soccer field

BORING NO.: 369

Tetra Tech NUS, Inc.



TtNUS Form 0018

BORING LOG FOR: Raymark OU9 RI/FS
PROJECT NO.: N1369
LOGGED BY: J. Lambert
DRILLED BY (Company/Driller): Aquifer Drilling & Testing/ Rob Ullmann
GRD. SURFACE ELEVATION:

TRANSCRIBED BY: DH
ELEVATION FROM:

BORING NO.: 370
START DATE: 12/10/03
COMPLETION: DATE: 12/10/03
MON. WELL NO.: N/A
CHECKED BY: JD

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.2' / 2.0' | SBP-SO-370-0002 Screening 12/10/03 @ 1525 | | Slightly Loose | Brown | 0' - 0.2' - Grass plug<br>0.2' - 0.4' - Sandy, (fine sand) SILT | SM | Moist | PID=0.0<br>FID=0.0 |
| 1 | | | | | | | 0.4' - 1.2' - Fine-coarse SAND, some gravel, some silt | SW | | |
| 2 | | | | | | | | | | |
| 3 | | 1.5' / 2.0 | SBP-SO-370-0204 Screening and Confirmation 12/10/03 @ 1530 | | | | 0' - 0.3' - Similar to above | | | PID=0.0<br>FID=0.0 |
| | | | | | | Red-Brown | 0.3' - 0.5' - Sandy (fine sand) SILT | ML | | |
| | | | | | | Dark Red | 0.5' - 0.9' - Silty, fine-medium SAND, some coarse sand | SM | | |
| 4 | | | | | | Orange Red | 0.9' - 1.5' - Fine-coarse SAND, some gravel (fine), trace silt | SW | | |
| | | | | EOB @ 4' bgs | | | | | | |

TYPE OF DRILLING RIG: GEOPROBE – Track- mounted (Rig 2)
METHOD OF ADVANCING BORING: DIRECT- PUSH
METHOD OF SOIL SAMPLING: MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals
METHOD OF ROCK CORING: N/A
GROUNDWATER LEVELS:
OTHER OBSERVATIONS: Phase I FID= C PID= C Flag number 404 Former Landfill area – Soccer field

BORING NO.: 370

Tetra Tech NUS, Inc.



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 371 |
| PROJECT NO.: | N1369 | START DATE: | 12/10/03 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 12/10/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.3' / 2.0' | SBP-SO-371-002 Screening 12/10/03 @ 1540 | | Slightly Loose | Brown | 0' - 0.2' - Grass plug<br>0.2' - 0.8' - Sandy (fine-medium sand), SILT | ML | Moist | PID=0.0<br>FID=0.0 |
| 1 | | | | | | | | | | |
| | | | | | | Light Brown | 0.8' - 1.3' - Fine-coarse SAND, some gravel, trace silt | SW | | |
| 2 | | | | | | | | | | |
| | | | SBP-SO-371-0204 Screening 12/10/03 @ 1545 | | | | Similar material to above | | | |
| 3 | | | | | | | | | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | | |
|---|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) | | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | | |
| METHOD OF ROCK CORING: | N/A | | | |
| GROUNDWATER LEVELS: | | | | |
| OTHER OBSERVATIONS: | Phase I FID= C PID= C Flag number 403 Former Landfill area – Soccer field | BORING NO.: 371 | | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | BORING NO.: 372 |
| PROJECT NO.: | N1369 | | START DATE: 12/11/03 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 12/11/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.4' / 2.0' | SBP-SO-372-0002 Screening 12/11/03 @ 0950 | | Slightly Dense | Brown | 0-0.5' Sandy SILT, (fine-medium sand) | ML | Moist | PID=0.0 FID=0.0 |
| 1 | | | | | | Black | 0.5'-0.8' Burn layer – charcoal | Fill | | |
| | | | | | | Brown | 0.8'-1.0' Fine-coarse SAND | SW | | |
| 2 | | | | | | Gray | 1.0' - 1.4' - Fine-medium SAND, trace coarse sand | | | |
| | | 1.8' / 2.0' | SBP-SO-372-0204 Screening and Confirmation 12/11/03 @ 0953 | | | | 0' - 0.8' - Similar to above | | | PID=0.0 FID=0.0 |
| 3 | | | | | | Brown | 0.8' - 1.3' - Sandy, (fine-coarse) SILT | ML | | |
| | | | | | | Dark Brown | 1.3' - 1.8' - Fine-coarse SAND, some silt, trace gravel | SW | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | | | |
|---|---|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) | | | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | | | |
| METHOD OF ROCK CORING: | N/A | | | | |
| GROUNDWATER LEVELS: | | | | | |
| OTHER OBSERVATIONS: | Phase I FID= A PID= A | Flag number 592 | Former Landfill area – Parking Lot | BORING NO.: 372 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 373 |
| PROJECT NO.: | N1369 | START DATE: | 12/11/03 |
| LOGGED BY: | K. Jalkut | COMPLETION: DATE: | 12/11/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JL |

TRANSCRIBED BY: RAC

ELEVATION FROM:

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | SBP-SO-373-0002 | | — | Blacktop | Asphalt surface = approximately 4" | | Used dedicated drill steel through asphalt | | |
| | | | Screening | | Loose | Brown | SAND, some gravel. Fine to coarse sand, well graded, fine and coarse subrounded gravel ½" – 1 ¼", crushed stone (quartz) | SW/Fill | Dry | 0.0 | 0.0 |
| 1 | | | 12/11/03 @ 1015 | | | Gray | SAND. Fine-medium sand, poorly graded | SP/Fill | | 0.0 | 0.0 |
| | | | | | Dense | Black | SILT - Compressed material with organic ROOTS/REEDS and fine-medium SAND | ML/Fil | | 0.0 | 0.0 |
| 2 | | | | | | | | | | 0.0 | 0.0 |
| | | | SBP-SO-373-0204 | | Loose | Brown | SAND and GRAVEL. Fine to coarse sand, well graded, fine and coarse subrounded gravel ½" – 1 ½" | SW/Fill | Saturated sand | 0.0 | 0.0 |
| | | | Screening and Confirmation | | | | | | | | |
| 3 | | | 12/11/03 @ 1020 | | | Black | Similar to above, except color change, with glass, brick, plastic, metal, trap rock (crushed stone) | | Dry sand | | |
| 4 | | | | | | | | | | 5.2 | 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite (4'-1') and asphalt cold patch | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule | Note: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | FID = A | |
| METHOD OF ROCK CORING: | N/A | PID = C | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 634 | BORING NO.: 373 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | BORING NO.: 374 |
| PROJECT NO.: | N1369 | | START DATE: 12/11/03 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 12/11/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.1' / 2.0' | SBP-SO-374-0002 Screening 12/11/03 @1030 | | Slightly Dense | Brown | Top 0.4' asphalt (not logged/sampled) 0' - 0.6' - Fine-coarse SAND, some gravel | SW/Fill | | PID=0.0 FID=27.9 |
| 1 | | | | | | | | | | |
| | | | | | | Dark brown | 0.6' - 1.1' - Fine-coarse SAND, trace gravel – includes aluminum foil, glass fragments | | | |
| 2 | | | | | | | | | | |
| | | | SBP-SO-374-0204 Screening 12/11/03 @1035 | | | | Fine-coarse SAND, some silt, glass fragments, white chips (possibly paint chips) | | | PID=0.0 FID=25.4 |
| 3 | | | | | | | | | | |
| | | | | | | | | | | PID=0.0 FID=18.0 |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID= A PID= A Flag number 615 Former Landfill area – Soccer field |

BORING NO.: 374

Tetra Tech NUS, Inc.



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 375 |
| PROJECT NO.: | N1369 | START DATE: | 12/11/03 |
| LOGGED BY: | K. Jalkut | COMPLETION: DATE: | 12/11/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | |

TRANSCRIBED BY: RAC

ELEVATION FROM:

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Ballfield - infield | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | SBP-SO-375-0002 | | --- | Blacktop | Asphalt approximately 4" | --- | Damp. Dedicated drill steel through asphalt | 0.0 | 0.0 |
| 1 | | | Screening 12/11/03 @ 1030 | | Loose | Brown | SAND and GRAVEL. Fine to coarse sand, well graded, fine and coarse subrounded gravel ½" – 1 ½" | SW/Fill | | 0.0 | 0.0 |
| | | | | | | | SAND. Fine-medium sand, poorly graded, metal filings | SP/Fill | | | |
| 2 | | | | | | Gray | Color change noted | | | 0.0 | 0.0 |
| | | | SBP-SO-375-0204 | | | Brown | SAND, trace silt. Fine-medium sand, poorly graded | | Saturated sand | 0.0 | 0.0 |
| 3 | | | Screening 12/11/03 @ 1040 | | | | SAND. Fine to coarse sand, well graded | SW/Fill | | 0.0 | 0.0 |
| | | | | | Dense | Gray–Black Black | SAND, trace silt. Fine-medium sand, poorly graded<br>SILT and ORGANICS | SP/Fill<br>ML/Fill | | 0.0 | 0.0 |
| 4 | | | | | Loose | | SAND and GRAVEL. Fine to coarse sand, well graded, fine and coarse subrounded gravel ½" – 1" | SW-GW/Fill | Silt is damp only<br>Dry | 0.0<br>0.0 | 0.0<br>0.0 |
| | | | | EOB @ 4' bgs | | | | | | | |
| | | | | | | | EOB @ 4' bgs - Backfill with Bentonite (4'-1') and topsoil (1'-0') | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I Flag Number 612 |

BORING NO.: 375

Tetra Tech NUS, Inc.



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 376 |
| PROJECT NO.: | N1369 | START DATE: | 12/11/03 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 12/11/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION (0.4' asphalt –not logged/sampled) | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.4' / 2.0' | SBP-SO-376-0002 Screening and Confirmation 12/11/03 @ 1100 | | Slightly Dense | Brown | 0' - 0.7' - Fine-coarse SAND, some gravel (subrounded) | SW | Moist Petroleum odor (second Layer) | PID=0.0 FID=3.2 |
| 1 | | | | | Dense | Black | 0.7' - 1.4' - Fine sandy SILT, trace medium sand | ML | | |
| 2 | | | | | | | | | | |
| | | 1.3' / 2.0' | SBP-SO-376-0204 Screening 12/11/03 @1105 | | Slightly Dense | Dark Brown | 0' - 0.3' - Fine-medium SAND, some coarse sand, trace silt | SW | Moist- wet | PID=0.4 FID=37.5 |
| 3 | | | | | | Gray-Brown | 0.3' - 0.5' - Color change only | | | |
| | | | | | | | 0.5' - 1.0' - Fine-coarse SAND, some gravel | | Moist | |
| 4 | | | | | | | 1.0' - 1.3' - Fine SAND, some coarse sand, some gravel, trace silt | SP | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID= A PID= A Flag number 614 Former Landfill area – Parking Lot BORING NO.: 376 |

*Tetra Tech NUS, Inc.*

PAGE: 1 OF 1

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 377 |
| PROJECT NO.: | N1369 | START DATE: | 12/11/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 12/11/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Grass surface | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.6' / 2' | SBP-SO-377-0002 Screening 12/11/03 @ 1050 | | Loose | Dark Brown | SAND and GRAVEL. Fine to coarse sand, well graded, fine and coarse subrounded gravel ½" to 1 ½" | SW-GW Fill | Grass/root plug = approximately 3" Crushed stone (possible trap rock) | | |
| 1 | | | | | | Brown | | | | 0.0 | 0.0 |
| | | | | | | | | | | 0.0 | 0.0 |
| 2 | | | | | Dense | Black | SILT | ML/Fill | | 0.0 | 0.0 |
| | | 2' / 2' | SBP-SO-377-0204 Screening 12/11/03 @ 1100 | | Loose | Brown | SAND and GRAVEL. Fine to coarse sand, well graded, fine and coarse subrounded gravel ½" to 1 ¼" | SW-GW Fill | | 0.0 | 0.0 |
| 3 | | | | | | | | | | | |
| | | | | | | Black | | | | | |
| 4 | | | | | | | | | | 0.0 | 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite (4'-1') and topsoil (1'-0') | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 613 | BORING NO.: 377 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 378 |
| PROJECT NO.: | N1369 | | | START DATE: | 12/11/03 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | RAC | COMPLETION: DATE: | 12/11/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/Rob Ullmann | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JD |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | NA | | | | | | | | | |
| | | 1.0' / 2.0' | SBP-SO-378-0002 Screening 12/11/03 @ 1145 | | Slightly Dense | Brown | 0' – 0.4' - Asphalt (not logged or sampled)<br>0' – 0.5' – Fine-medium SAND, trace coarse sand | SP | | PID = 0.6<br>FID = 0.9 |
| 1 | | | | | | | | | | |
| | | | | | | Black | 0.5' – 1.0' – Fine SAND, some medium sand, trace silt | | | |
| 2 | | | | | | | | | | |
| | | / 2.0' | SBP-SO-378-0204 Screening 12/11/03 @ 1150 | | | Dark Gray | Fine-coarse SAND, trace silt, trace gravel. Color changes from dark gray to gray throughout sample. Glass pieces in sleeve. | SW/Fill | Slight petroleum odor | PID = 1.0<br>FID = 25.6 |
| 3 | | | | | | | | | | |
| | | | | | | | | | | |
| 4 | | | | | | Gray | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | | | |
|---|---|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) | | | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | | | | |
| METHOD OF ROCK CORING: | N/A | | | | |
| GROUNDWATER LEVELS: | | | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 633 | Former Landfill Area | FID/PID = A | BORING NO.: 378 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 378A |
| PROJECT NO.: | N1369 | START DATE: | 1/29/04 |
| LOGGED BY: | J. Lambert | COMPLETION: DATE: | 1/29/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JD |

TRANSCRIBED BY: RAC

ELEVATION FROM:

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | No samples collected from 0' – 4' bgs | | | | Refer to Boring Log Number 378 for soil profile details from 0' – 4' | | | |
| 1 | | | | | | | | | | |
| 2 | | | | | | | | | | |
| 3 | | | | | | | | | | |
| 4 | | | | | | | | | | |
| 5 | | 1.3' / 2.0' | SBP-SO-378A-0406 Screening 1/29/04 @ 1330 | | Slightly Dense | Black Tan | 0' – 0.6' – Fine SAND, some silt, trace coarse sand<br>0.6' – 0.7' – Fine SAND | SP | Moist | PID = 0.0<br>FID = 85.0 |
| | | | | | | Dark Gray | 0.7' – 0.8' – Silty fine SAND, trace coarse sand | SM | | |
| 6 | | | | | | Black | 0.8' – 1.1' – Silty sand, fine SAND, some gravel | | Slight organic odor | |
| | | | | | | | 1.1' – 1.3' – Silty fine-medium SAND, some newspaper (decomposed) and ash | SM/Fill | Wet | |
| 7 | | 1.2' / 2.0' | SBP-SO-378A-0608 Screening 1/29/04 @ 1335 | | | | 0' – 0.8' – Silty fine-medium SAND, trace glass, trace organics (roots) | | | PID = 0.0<br>FID = 1296 |
| | | | | | | | 0.8' – 0.9' – Newspaper | Fill | | |
| 8 | | | | EOB @ 8' bgs | | | 0.9' – 1.2' – Silty fine-medium SAND, some glass, some subrounded gravel | SM | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) | Note: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | Phase II screening = Asbestos and Metals | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Approximately 7' bgs | | |
| OTHER OBSERVATIONS: | Phase II Old Flag Number 633 PID/FID = Former Landfill Area – Baseball Field Parking Lot | BORING NO.: 378A | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 379 |
| PROJECT NO.: | N1369 | START DATE: | 12/11/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 12/11/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Asphalt surface approximately 4" | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.6' / 2' | SBP-SO-379-0002 Screening 12/11/03 @ 1040 | | Loose | Brown | SAND and GRAVEL. Fine to coarse sand, well graded, fine and coarse subrounded gravel ¼" – 1 ½" | SW-GW Fill | Used dedicated drill steel through asphalt | 0.0 | 0.0 |
| 1 | | | | | | | | | | | |
| | | | | | | Black | Compressed fine-medium SAND with organic roots and twigs, poorly graded, some fine subrounded gravel to ½" | Fill | | 0.0 | 0.0 |
| 2 | | | | | | | | | | | |
| | | 2' / 2' | SBP-SO-379-0204 Screening 12/11/03 @ 1145 | | | Brown | SAND, some gravel. Fine to coarse sand, well graded, coarse subrounded gravel to 1" | SW/Fill | Saturated sand | 0.0 | 0.0 |
| 3 | | | | | | Dark Gray | Silty SAND. Fine to coarse sand, well graded WOOD chunks (not burned) | SM/Fill Fill | Saturated | 0.0 | 0.0 |
| | | | | | Dense | Black | Silty SAND, some gravel. Fine-medium sand, poorly graded with fine and coarse subrounded gravel ½". Newspaper, white/blue plastic chunks to 1", gummy substance, ash, clinkers | | | 0.0 | 0.0 |
| 4 | | | | | | | | | | 0.0 | 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite (4'-1') and topsoil (1'-0') | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 660 | BORING NO.: 379 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 380 |
| PROJECT NO.: | N1369 | START DATE: | 12/11/03 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 12/11/03 |
| DRILLED BY (Company/Driller): | AQUIFER DRILLING & TESTING/ Rob | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION (asphalt 0.4' thick not logged/sampled) | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.2' / 2.0' | SBP-SO-380-0002 Screening 12/11/03 @ 1345 | | Slightly Dense | White | 0' - 0.2' - (cobble) | | Cobble at 0.0' | PID=0.2 FID=0.0 |
| 1 | | | | | | Light Brown Tan | 0.2' - 0.4' - Fine-coarse SAND<br>0.4' - 1.2' - Fine-medium SAND | SW<br>SP | | |
| 2 | | | | | | | | | | |
| 3 | | 1.6' / 2.0' | SBP-SO-380-0204 Screening 12/11/03 @ 1350 | | | Dark Gray | 0' - 0.3' - Fine-medium SAND<br>0.3' - 1.6' - Silty fine-coarse SAND, trace gravel, metal fragments | SM/Fill | | PID=0.0 FID=18.1 |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID=A PID= A Flag number 611 Former Landfill area – Parking Lot BORING NO.: 380 |

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 381 |
| PROJECT NO.: | N1369 | START DATE: | 12/11/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 12/11/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.5' / 2' | SBP-SO-381-0002 Screening 12/11/03 @ 1350 | | ---- | Blacktop | Asphalt surface - approximately 4" | ---- | Used dedicated drill steel through asphalt | 0.0 | 0.0 |
| 1 | | | | | Loose | Brown | SAND and GRAVEL. Fine to coarse sand, well graded, fine and coarse subrounded gravel ½" – 2" | SW/Fill | Damp | 37 | 0.0 |
| 2 | | | | | | | SAND, trace gravel. Fine-medium sand, poorly graded, fine subrounded gravel to ½" | SP/Fill | Poor recovery (1.5' with 4" asphalt) | | |
| 3 | | 1' / 2' | SBP-SO-381-0204 Screening 12/11/03 @ 1355 | | | Black - Brown | SAND. Fine to coarse sand, well graded | SW/Fill | | 23 | 0.0 |
| | | | | | | Black | SAND, some silt, trace gravel. Fine-medium sand, poorly graded, fine subrounded gravel to ½" | SP/Fill | | 210 | 0.0 |
| 4 | | | | | | | WOOD CHUNKS , partially burned<br>SAND. Fine to coarse sand, well graded, wood | Fill<br>SW/Fill | Partial recovery – compressed soil | 58 | 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite (4'-0.25") and asphalt cold patch (0.25'-0') | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 659 | BORING NO.: 381 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 382 |
| PROJECT NO.: | N1369 | START DATE: | 12/11/03 |
| LOGGED BY: | J. Lambert | COMPLETION: DATE: | 12/11/03 |
| DRILLED BY (Company/Driller): | AQUIFER DRILLING & TESTING/ Rob | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JD |

TRANSCRIBED BY: DH

ELEVATION FROM:

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.4' / 2.0' | SBP-SO-382-0002 Screening 12/11/03 @ 1415 | | Slightly Dense | Tan | 0' - 0.8' - Fine-coarse SAND, some subrounded gravel | SW | Moist | PID=0.9 FID=375.0 |
| 1 | | | | | | | | | | |
| | | | | | | Black | 0.8' - 1.4' - Silty fine-coarse SAND, trace subrounded-angular gravel, charcoal, glass fragments | SM/Fill | Slight petroleum odor Moist | |
| 2 | | | | | | | | | | |
| | | 1.5' / 2.0' | SBP-SO-382-0204 Screening 12/11/03 @ 1420 | | | Black | 0' - 0.6' - Fine-coarse SAND, some silt, charcoal fragments | SW/Fill | Moist | PID=1.8 FID=182.2 |
| 3 | | | | | | Mottled White/Pink | 0.6' - 0.8' - Ash layer | Fill | | |
| | | | | | | Dark Gray Gray | 0.8' - 1.3' - Silty fine-coarse SAND, trace gravel 1.3' - 1.5' - Fine-medium SAND | SM SP | Moist-wet | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID=A PID= A Flag number 632 Former Landfill area – |

BORING NO.: 382

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | |
| PROJECT NO.: | N1369 | | |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: | RAC |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | | |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | |

| | |
|---|---|
| BORING NO.: | 383 |
| START DATE: | 12/11/03 |
| COMPLETION: DATE: | 12/11/03 |
| MON. WELL NO.: | N/A |
| CHECKED BY: | JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.9' / 2' | SBP-SO-383-0002 Screening 12/11/03 @ 1410 | | ---- | Blacktop | Asphalt surface - approximately 4" | | Used dedicated drill steel through asphalt | | |
| 1 | | | | | Loose | Brown | SAND, trace gravel. Fine-medium mostly, poorly graded, fine subrounded gravel to ½" | SP/Fill | Damp | 0.0 | 0.0 |
| | | | | | Dense | Black | Silty SAND, some gravel. Fine to coarse sand, well graded, fine and coarse subrounded gravel ½" – 1", organic roots | SM/Fill | Compressed soil Green coloration to soil | 0.0 | 0.0 |
| 2 | | | | | ↓ | ↓ | ↓ | ↓ | | ↓ | ↓ |
| | | 1.7' / 2' | SBP-SO-383-0204 Screening and Confirmation 12/11/03 @ 1415 | | Loose | Brown | SAND, trace gravel. Fine-medium sand mostly, trace coarse sand, fine subrounded gravel to ½" | SW/Fill | Saturated sand | 0.0 | 0.0 |
| 3 | | | | | ↓ | ↓ | ↓ | ↓ | | | |
| | | | | | Dense | Black | Silty SAND, some gravel. Fine to coarse sand, well graded, fine and coarse subrounded gravel to 1", silt, organic roots and reeds, plastic | SM/Fill | Refusal at approximately 3.8' | 217 | 0.0 |
| 4 | | | | EOB @ 3.8' bgs | ↓ | ↓ | ↓ | ↓ | Compressed material | | |
| | | | | | | | EOB @ 3.8' bgs – (Refusal) Backfill with Bentonite chips (3.8'-0.25") and asphalt cold patch (0.25'-0') | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I Flag Number 703 |

BORING NO.: 383

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 384 |
| PROJECT NO.: | N1369 | START DATE: | 12/11/03 |
| LOGGED BY: | J. Lambert | COMPLETION: DATE: | 12/11/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JD |

TRANSCRIBED BY: DH

ELEVATION FROM:

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.3' / 2.0' | SBP-SO-384-0002 Screening 12/11/03 @ 1515 | | Slightly Dense | Brown | 0.4' asphalt – not logged/sampled<br>0' - 0.5' - Fine-coarse SAND, trace gravel | SW | Moist | PID=0.0<br>FID=0.0 |
| 1 | | | | | | Black | 0.5' - 1.3' - Silty fine-coarse SAND, trace gravel | SM | Slight odor | |
| 2 | | | | | | | | | | |
| | | 1.2' / 2.0' | SBP-SO-384-0204 Screening and Confirmation 12/11/03 @ 1520 | | | Dark Brown | 0' - 0.6' - Silty fine SAND, some medium sand | | Moist – wet | PID=1.0<br>FID=61.3 |
| 3 | | | | | | White/ Green | 0.6' - Caulk/gummy material | Fill | | |
| 4 | | | | | | Black | 0.6' - 1.2' - Fine-coarse SAND | SW | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID=A PID= A Flag number 661 Former Landfill area – Parking Lot |

BORING NO.: 384

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 385 |
| PROJECT NO.: | N1369 | START DATE: | 12/11/03 |
| LOGGED BY: | K. Jalkut | COMPLETION: DATE: | 12/11/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JL |

TRANSCRIBED BY: RAC

ELEVATION FROM:

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.9' / 2' | SBP-SO-385-0002 Screening 12/11/03 @ 1525 | | — | Blacktop | Asphalt surface - approximately 4" | | Used dedicated drill steel through asphalt | | |
| 1 | | | | | Loose | Brown | SAND and GRAVEL. Fine to coarse sand, well graded, fine and coarse subrounded gravel to 1" | SW/Fill | Damp | 0.0 | 0.0 |
| | | | | | ↓ | ↓ | SAND. Fine-medium sand mostly, trace coarse sand, seashells | SP/Fill | Wet sand | 0.0 | 0.0 |
| 2 | | | | | Dense | | Silty SAND, some gravel. Fine to coarse sand, well graded, fine subrounded gravel to ½" | SM/Fill | Damp. Green specks in sample | 0.0 | 0.0 |
| | | 1.5' / 2' | SBP-SO-385-0204 Screening 12/11/03 @ 1530 | | Loose | ↓ | SAND, trace silt, some gravel | ↓ | Damp | 0.0 | 0.0 |
| 3 | | | | | ↓ | Dark Gray | SAND and GRAVEL, trace silt. Fine to coarse sand, well graded, fine and coarse subrounded to gravel 1" | SW/Fill | | 0.0 | 0.0 |
| | | | | | Dense | Black | WOOD CHUNKS (charred), GLASS, METAL, PLASTIC, mixed with fine-medium sand, poorly graded | Fill/SP | Damp | 0.0 | 0.0 |
| 4 | | | | | ↓ | ↓ | | ↓ | | | |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite (4'-0.25") and asphalt cold patch (0.25'-0') | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I Flag Number 722 |

BORING NO.: 385

Tetra Tech NUS, Inc.



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 386 |
| PROJECT NO.: | N1369 | START DATE: | 12/11/03 |
| LOGGED BY: | J. Lambert | COMPLETION: DATE: | 12/11/03 |
| DRILLED BY (Company/Driller): | AQUIFER DRILLING & TESTING/ Rob | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JD |

TRANSCRIBED BY: DH

ELEVATION FROM:

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | 0.4' asphalt – not logged/sampled | | | |
| | | 1.1' / 2.0' | SBP-SO-386-0002 Screening 12/11/03 @ 1550 | | Slightly Dense | Brown | 0' - 0.6' - Fine-coarse SAND, some gravel, trace silt | SW | Moist | PID=0.0 FID=0.0 |
| 1 | | | | | | Black | 0.6' - 1.1' - Silty, fine-coarse SAND, trace gravel | SM/Fill | | |
| 2 | | | | | | | | | Moist | |
| 3 | | | SBP-SO-386-0204 Screening 12/11/03 @ 1555 | | | | Similar to above, piece of asphalt, metal in macrocore, wood fragments (stained black) in nose | | Moist | PID=0.0 FID=286.5 |
| 4 | | | | | | | | | Wet Slight odor | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID= A PID= A Flag number 686 Former Landfill area – Parking Lot |

BORING NO.: 386

Tetra Tech NUS, Inc.



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 387 |
| PROJECT NO.: | N1369 | START DATE: | 12/11/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 12/11/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.7' / 2' | SBP-SO-387-0002 Screening 12/11/03 @ 1545 | | — | Blacktop | Asphalt surface - approximately 4" | | Used dedicated drill steel through asphalt | 0.0 | 0.0 |
| 1 | | | | | Loose | Brown | SAND and GRAVEL – Fine to coarse sand, well graded, fine and coarse subrounded gravel ½" – 1 ¼" | SW/GW/ Fill | Damp | | |
| | | | | | | | SAND, trace gravel. Fine-medium mostly, poorly graded, 2 pieces fine subrounded gravel to ½", glass, seashells | SP/Fill | | 0.0 | 0.0 |
| 2 | | | | | Dense | Black | SILT, trace sand (fine sand, glass) | ML/Fill | Damp | 0.0 | 0.0 |
| | | 2' / 2' | SBP-SO-387-0204 Screening 12/11/03 @ 1550 | | Loose | Brown | SAND and GRAVEL. Fine to coarse sand, well graded, fine and coarse subrounded gravel ½" – 1" | SW/GW Fill | Saturated sand | 0.0 | 0.0 |
| 3 | | | | | Dense | Black | SILT, with some organic fibers (not an organic silt) | ML/Fill | Damp only | 13.0 | 0.0 |
| | | | | | | | SAND, some gravel. Fine-medium sand, poorly graded, organic roots, glass, charred wood, fine subrounded gravel to ½" | SP/Fill | Damp | 52 | 0.0 |
| 4 | | | | | Loose | Gray | Charred WOOD, glass, plastic<br>SAND, fine-medium sand, poorly graded | | | 20<br>7.5 | 0.0<br>0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite (4'-0.25") and asphalt cold patch (0.25'-0') | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 721 | BORING NO.: 387 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 388 |
| PROJECT NO.: | N1369 | START DATE: | 12/11/03 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 12/11/03 |
| DRILLED BY (Company/Driller): | AQUIFER DRILLING & TESTING/ Rob | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0-0.4' asphalt – not sampled/logged | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.2' / 2.0' | SBP-SO-388-0002 Screening 12/11/03 @ 1605 | | Slightly Dense | Brown | 0' - 0.7' - Fine-coarse SAND, some gravel | SW | Odor | PID=0.0 FID=3.5 |
| 1 | | | | | | Black | 0.7' - 1.2' - Silty, fine-medium SAND, some coarse sand, trace gravel, also, glass, wood, plastic fragments | SM/Fill | Moist | |
| | | | | | | | | | Moist | |
| 2 | | | | | | | | | | |
| | | | SBP-SO-388-0204 Screening 12/11/03 @ 1610 | | | | Silty fine-coarse SAND, some angular gravel, also wood, metal fragments | | Odor Moist | |
| 3 | | | | | | | | | | PID=0.3 FID=31.8 |
| | | | | | | | | | Moist | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I FID= A PID= A Flag number 685 Former Landfill area – Parking Lot | BORING NO.: 388 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 389 |
| PROJECT NO.: | N1369 | START DATE: | 12/11/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 12/11/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.7' / 2' | SBP-SO-389-0002 Screening 12/11/03 @ 1605 | | ---- | Blacktop | Asphalt surface - approximately 4" | | Used dedicated drill steel through asphalt | 0.0 | 0.0 |
| 1 | | | | | Loose | Brown | SAND and GRAVEL. Fine to coarse sand, well graded, fine and coarse subrounded gravel ½" – 1" | SW/GW Fill | Damp | 4.9 | 0.0 |
| | | | | | Denser | Dark Brown | Silty SAND, trace gravel. Fine to coarse sand, well graded, 1 piece coarse subrounded gravel to 1" | SM/Fill | Damp | 1.1 | 0.0 |
| 2 | | | | | | Black | SAND. Fine to coarse sand, well graded, organic roots | SW/Fill | Compressed soil | 1.9 | 0.0 |
| | | 1.5' / 2' | SBP-SO-389-0204 Screening 12/11/03 @ 1610 | | | Dark Brown-Black | SAND and GRAVEL, some silt. Fine to coarse sand, well graded, coarse subrounded gravel to 1 ¼" | SW/GW/ Fill | Saturated sands | 0.0 | 0.0 |
| 3 | | | | | Loose | Reddish Purple | Silty SAND, some gravel. Fine-medium sand, poorly graded, 1 piece coarse subrounded gravel to 1" | SM/Fill | Petroleum odor (ol-factory evidence too) | 175 | 0.0 |
| 4 | | | | | Dense | Black | Silty SAND, similar to above, no gravel, organic roots | | Compressed soil | 1.4 | 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite (4'-0.25") and asphalt cold patch (0.25'-0') | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule | Note: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | Refusal 0-2', moved over 1' and re-drilled 0-2" | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 704 | BORING NO.: 389 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 390 |
| PROJECT NO.: | N1369-0320 | START DATE: | 12/12/03 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 12/12/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.4' / 2.0' | SBP-SO-390-0002 Screening 12/12/03 @ 0835 | | Slightly Loose | Brown | Fine-coarse SAND, trace gravel, trace silt | SW | Moist | PID=0.9 FID=0.0 |
| 1 | | | | | | | | | | |
| 2 | | | | | | | | | | |
| | | 0.5' / 1.0' | SBP-SO-390-0204 Screening 12/12/03 @ 0840 | | | | | | | PID=0.0 FID=0.0 |
| 3 | | | | | | | | | | |
| | | | | EOB @ 3' bgs | | | | | | |
| 4 | | | | | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Continuous samples in 2 foot intervals, to 4 feet |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID= A PID=A Flag number 720 Former Landfill area – (Mini-golf course) BORING NO.: 390 |

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | |
| PROJECT NO.: | N1369 | | |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: | RAC |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | | |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | |

| | |
|---|---|
| BORING NO.: | 391 |
| START DATE: | 12/12/03 |
| COMPLETION: DATE: | 12/12/03 |
| MON. WELL NO.: | N/A |
| CHECKED BY: | JL |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | NA | | | | | | Grass Surface – near mini golf course | | | | |
| | | 1.9' / 2' | SBP-SO-391-0002 Screening 12/12/03 @ 0830 | | Dense | Red Brown | Silty SAND and GRAVEL. Fine to coarse sand, well graded, fine subrounded gravel to ½", coarse angular gravel to ¾" | SM/GM/ Fill | Wet – Grass plug/root mat = approximately 4" | 0.0 | 0.0 |
| 1 | | | | | | | | | | | |
| | | | | | Loose | Gray | SAND, some gravel. Fine to coarse sand, well graded, coarse subangular gravel to 1" | SW/Fill | Dry | 0.0 | 0.0 |
| 2 | | | | | | White | TRAP ROCK – 2" diameter layer of white crushed stone | Fill | | 0.0 | 0.0 |
| | | 1.6' / 2' | SBP-SO-391-0204 Screening 12/12/03 @ 0835 | | | Gray | SAND and GRAVEL. Fine to coarse sand, well graded, fine and coarse subrounded gravel ½" – 1" | SW/GW/ Fill | | 1.3 | 0.0 |
| 3 | | | | | | | | | | | |
| | | | | | | | FILL, silty SAND. Fine-medium sand mostly, glass, newspaper, burned wood, plastic to 1" | SM/Fill | | | |
| 4 | | | | | | | | | | 8.5 | 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite (4'-1') and topsoil (1'-0') | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I Flag Number 702 |

BORING NO.: 391

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 392 |
| PROJECT NO.: | N1369 | START DATE: | 12/12/03 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 12/12/03 |
| DRILLED BY (Company/Driller): | AQUIFER DRILLING & TESTING/ Rob | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.5' / 2.0' | SBP-SO-392-0002 Screening 12/12/03 @ 0900 | | | Brown | 0' - 0.4' - Fine sandy SILT; piece of plastic at 0.3' | ML/Fill | Moist | PID=0.0 FID=0.0 |
| 1 | | | | | | | 0.4' - 1.5' -Fine-coarse SAND, trace silt, trace gravel | SW | | |
| 2 | | | | | | | | | | |
| | | 1.8' / 2.0' | SBP-SO-392-0204 Screening 12/12/03 @ 0905 | | | | 0' - 0.3' - Sandy (fine-coarse sand), SILT, some gravel | SM | | PID=0.0 FID=0.0 |
| 3 | | | | | | Dark Gray | 0.3' - 1.8' - SILT, some fine –medium sand, some organics (roots) | OL | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID= A PID= A Flag number 719 Former Landfill area – Mini golf course BORING NO.: 392 |

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 393 |
| PROJECT NO.: | N1369 | START DATE: | 12/12/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 12/12/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | NA | | | | | | Grass Surface – near mini golf course | | | | |
| | | 1.8' / 2' | SBP-SO-393-0002 Screening 12/12/03 @ 0845 | | Dense | Red - Brown | SAND and GRAVEL. Fine to coarse sand, well graded, fine and coarse angular gravel ¼" – 1", roots | SW/GW/ Fill | Root mat/grass = approximately 3" Damp | 0.0 | 0.0 |
| 1 | | | | | | | | | | | |
| | | | | | | | SAND. Fine-medium sand, poorly graded, roots | SP/Fill | Dry | 0.0 | 0.0 |
| 2 | | | | | | | Fine to coarse sand, trace fine subrounded gravel at end | SW/Fill | | | |
| | | 1' / 2' | SBP-SO-393-0204 Screening 12/12/03 @ 0850 | | | Gray | SAND and GRAVEL. Fine to coarse sand, well graded, fine and coarse angular gravel ½" – 1", crushed stone | SW-GW Fill | | 0.0 | 0.0 |
| 3 | | | | | | Black | FILL, wood chunks, glass, plastic | Fill | | 0.0 | 0.0 |
| | | | | EOB @ 3.5' bgs | | | | | Refusal at 3.5' - compressed soil | | |
| | | | | | | | EOB @ 3.5' bgs (refusal) - Backfill with Bentonite (3.5'-1') and topsoil (1'-0') | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 701 | BORING NO.: 393 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 394 |
| PROJECT NO.: | N1369 | START DATE: | 12/12/03 |
| LOGGED BY: | J. Lambert | COMPLETION: DATE: | 12/12/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JD |
| TRANSCRIBED BY: | DH | | |
| ELEVATION FROM: | | | |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.5' / 2.0' | SBP-SO-394-0002 Screening 12/12/03 @ 0920 | | Slightly Loose | Brown | 0' - 0.2' -Grass/roots (root plug) | SM | | PID=0.0 |
| | | | | | | | 0.2' - 0.6' - Silty, fine-coarse SAND, trace gravel | | | FID=0.0 |
| 1 | | | | | | | 0.6' - 1.5' - Fine-coarse SAND, trace silt, some gravel | SW | | |
| | | | | | | | | | | |
| 2 | | | | | | | | | | |
| | | 1.9' / 2.0' | SBP-SO-394-0204 Screening Confirmation 12/12/03 @ 0925 | | | | 0' - 0.2' - Similar to above | | | |
| 3 | | | | | Slightly Dense | Dark Gray | 0.2' - 0.7' - SILT, some fine sand | ML | | PID=0.0 FID=0.0 |
| | | | | | Slightly Loose | Gray Brown | 0.7' - 0.9' - Silty, fine-coarse SAND (mottled colors) | SM | | PID=0.0 FID=0.0 |
| 4 | | | | | | Black | 0.9' - 1.9' - Fine-coarse SAND and charcoal – burn layer | SW/Fill | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID= A PID=A Flag number 700 Former Landfill area – Mini golf course BORING NO.: 394 |

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 395 |
| PROJECT NO.: | N1369 | START DATE: | 12/12/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 12/12/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Grass Surface – mini golf course | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.9' / 2' | SBP-SO-395-0002 Screening 12/12/03 @ 0905 | | Dense | Red-Brown | Silty SAND, trace gravel. Fine-medium sand, some coarse sand, poorly graded, organic roots, trace fine subrounded gravel to ½" | SM/Fill | Grass/root plug = approximately 3" Damp | 0.0 | 0.0 |
| 1 | | | | | | | | | | | |
| | | | | | Loose | | SAND. Fine-medium sand, poorly graded | SP/Fill | Saturated | 0.0 | 0.0 |
| 2 | | | | | Dense | | Silty SAND, trace gravel. Similar to 0' – 1' interval | SM/Fill | Damp | 0.0 | 0.0 |
| | | 1.9' / 2' | SBP-SO-395-0204 Screening and Confirmation 12/12/03 @ 0910 | | | | | | | 0.0 | 0.0 |
| 3 | | | | | Loose | | Silty SAND. Fine sand, organic roots, poorly graded | | | 0.0 | 0.0 |
| | | | | | | Black White | SAND/FILL. Fine-medium sand, poorly graded, burned wood chunks TRAP ROCK – 2" gravel (white) fragments | SP/Fill Fill | Possible petroleum odor | 0.0 | 0.0 |
| 4 | | | | | | Black | SAND, trace gravel. Fine-medium sand, poorly graded, 1 piece each fine and coarse subrounded gravel to 1" | SP/Fill | | 0.0 | 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite (4'-1') and topsoil (1'-0') | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I Flag Number 734 |

BORING NO.: 395

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | |
| PROJECT NO.: | N1369 | | |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | DH |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | | |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | |

| | |
|---|---|
| BORING NO.: | 396 |
| START DATE: | 12/12/03 |
| COMPLETION: DATE: | 12/12/03 |
| MON. WELL NO.: | N/A |
| CHECKED BY: | JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.7' / 2.0' | SBP-SO-396-0002 Screening 12/12/03 @ 0950 | | Slightly Dense | Brown | Top 0.2' - Root plug<br>0' - 0.8' - Sandy (fine-coarse sand), SILT | OL | Moist | PID=0.0<br>FID=0.0 |
| 1 | | | | | | Black | 0.8' - 0.9' - Charcoal- burn layer | Fill | | |
| | | | | | | Brown | 0.9' - 1.4' - Fine-coarse SAND, some gravel, trace silt | SW | | |
| 2 | | | | | | | 1.4' - 1.7' - Fine-medium SAND, some coarse sand | | | |
| | | 1.8' / 2.0' | SBP-SO-396-0204 Screening 12/12/03 @ 0955 | | Dense | Dark Gray | Sandy (fine sand) SILT, some organics (roots) | ML | | PID=0.0<br>FID=0.0 |
| 3 | | | | | | | | | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID= A PID= A Flag number 699 Former Landfill area – Mini golf course |

BORING NO.: 396

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 397 |
| PROJECT NO.: | N1369 | START DATE: | 12/12/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 12/12/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | NA | | | | | | Grass Surface – mini golf course area | | | | |
| | | | SBP-SO-397-0002 | | Dense | Red Brown | SAND, some silt, some gravel. Fine to coarse sand, well graded, fine and coarse subangular gravel ½" – 1", organic roots | SM/Fill | Damp. Grass/root plug = approximately 3" | 0.0 | 0.0 |
| 1 | | | Screening 12/12/03 @ 0920 | | Loose | | SAND, some gravel. Fine-medium sand, poorly graded, fine and coarse subangular to subrounded gravel ½" – 1" | SP/Fill | Damp | 0.0 | 0.0 |
| | | | | | | | SAND, trace silt. Fine-medium sand, poorly graded | | Dry | 0.0 | 0.0 |
| 2 | | | | | Dense | Tan-Gray Black | SAND. Fine-medium sand, poorly graded<br>SAND, some silt. Fine to coarse sand, well graded | SM/Fill | | 0.0<br>0.0 | 0.0<br>0.0 |
| | | | SBP-SO-397-0204 | | Loose | Red-Brown | Silty SAND. Fine-medium sand, poorly graded | | Saturated | 0.0 | 0.0 |
| 3 | | | Screening 12/12/03 @ 0930 | | Dense | Dark Brown | Silty SAND, some gravel, wood fibers. Fine-medium sand mostly, some coarse sand, fine and coarse subrounded gravel to ½" – 1" | | | 0.0 | 0.0 |
| | | | | | | Black | SILT (1" interval)<br>SAND, some silt, organics. Fine-medium sand mostly, poorly graded, roots and twigs | ML/Fill<br>SP/Fill | Petroleum like odor<br>Compressed material | 0.0 | 0.0 |
| 4 | | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite (4'-1') and topsoil (1'-0') | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 697 | BORING NO.: 397 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 398 |
| PROJECT NO.: | N1369 | | | START DATE: | 12/12/03 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 12/12/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.1' / 2.0' | SBP-SO-398-0002 Screening 12/12/03 @ 1035 | | Slightly Dense | Brown | 0' - 0.4' - Silty, fine-coarse SAND | SM | Moist 0.4'-0.8'= wet 0.8' down=moist | PID=0.0 FID=0.0 |
| 1 | | | | | | | 0.4' - 1.1' - Gravelly, fine-coarse SAND, some silt | SW | | |
| 2 | | | | | | | | | Moist | |
| | | 1.7' / 2.0' | SBP-SO-398-1040 Screening 12/12/03 @ 1040 | | | | 0' - 1.1' - Silty, fine-coarse SAND, some gravel | SM | | PID=0.0 FID=1.9 |
| 3 | | | | | | Red-Brown | 1.1' - 1.7' - Sandy, (fine-medium sand) SILT, some organics (roots) | ML | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | | | |
|---|---|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) | | | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Continuous samples to 4 feet in 2 foot intervals | | | | |
| METHOD OF ROCK CORING: | N/A | | | | |
| GROUNDWATER LEVELS: | | | | | |
| OTHER OBSERVATIONS: | Phase I FID= A PID= A | Flag number 717 | Former Landfill area – Mini golf course | BORING NO.: 398 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 399 |
| PROJECT NO.: | N1369 | START DATE: | 12/12/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 12/12/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Grass Surface – near mini golf course | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 2' / 2' | SBP-SO-399-0002 Screening 12/12/03 @ 0945 | | Dense | Brown | SAND, some silt. Fine to coarse sand, well graded, roots | SM/Fill | Grass/root plug = approximately 4" | 0.0 | 0.0 |
| 1 | | | | | Loose | Red-Brown | Similar to above, with more fine-medium sand, some coarse sand, poorly graded, roots | | Damp Dry | 0.0 | 0.0 |
| | | | | | | Black | SAND, trace silt, trace gravel. Fine-medium sand, poorly graded, trace fine and coarse subrounded gravel to 1", organic roots | SP/Fill | | | |
| 2 | | | | | Dense | | | | | 2.2 | 0.0 |
| | | 1.4' / 2' | SBP-SO-399-0204 Screening 12/12/03 @ 0950 | | Loose | Gray | SAND, some gravel. Fine to coarse sand, well graded, fine subrounded gravel to ½" | SW/Fill | | 0.0 | 0.0 |
| 3 | | | | | | | | | | 0.0 | 0.0 |
| | | | | | | | GRAVEL, some sand. Mostly coarse angular gravel or trap rock fragments (white quartz) and fine to coarse sand, well graded | GW/Fill | | | |
| 4 | | | | | Dense | Black | WOOD (charred), GLASS, PLASTIC, mixed with silty SAND. Fine-medium sand, poorly graded | Fill/SM | Damp | 0.0 | 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite (4'-1') and topsoil (1'-0') | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 681 | BORING NO.: 399 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 400 |
| PROJECT NO.: | N1369 | START DATE: | 12/12/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 12/12/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | NA | | | | | | Grass Surface –mini golf course area | | | | |
| | | 2' / 2' | SBP-SO-400-0002 Screening 12/12/03 @ 1025 | | Loose | Red-Brown | SAND, trace silt, organic roots, twig. Fine-medium sand mostly, trace coarse sand, poorly graded | SP/Fill | Grass/root plug = approximately 3" | 0.0 | 0.0 |
| 1 | | | | | | Tan-Brown | SAND, trace gravel. Fine to coarse sand, well graded, trace fine subrounded gravel to ½" | SW/Fill | Damp | 0.0 | 0.0 |
| | | | | | Dense | Dark Brown | Silty SAND (½" thick layer with organic roots, fine-medium sand poorly graded) | SM/Fill | Dry | 0.0 | 0.0 |
| 2 | | | | | Loose<br>Dense | Tan-<br>Dark | SAND. Fine to coarse sand, well graded<br>Silty SAND (½" thick poorly graded layer with organic roots, fine-medium | SW/Fill<br>SM/Fill | | 0.0 | 0.0 |
| | | 2' / 2' | SBP-SO-400-0204 Screening 12/12/03 @ 1030 | | Loose | Tan-Brown | SAND, trace gravel. Fine to coarse sand, well graded, trace fine subrounded gravel to ½" | SW/Fill | Damp | 0.0 | 0.0 |
| 3 | | | | | | White | GRAVEL. White trap rock (quartz fragments) | Fill | | 0.0 | 0.0 |
| | | | | | | Red-Brown | SAND. Fine-medium sand, poorly graded | SP/Fill | | 0.0 | 0.0 |
| 4 | | | | | | Tan- | SAND. Fine to coarse sand, well graded | SW/Fill | Saturated sand | 0.0 | 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite (4'-1') and topsoil (1'-0') | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I Flag Number 737 |

BORING NO.: 400

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 401 |
| PROJECT NO.: | N1369 | | | START DATE: | 12/12/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: | RAC | COMPLETION: DATE: | 12/12/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Ground surface - white rock, near mini golf course | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.4' / 2' | SBP-SO-401-0002 Screening 12/12/03 @ 1045 | | Dense | Red Brown | SAND, some silt, trace gravel, roots. Fine to coarse sand, well graded, fine gravel subrounded to ½", one 2" rock fragment | SM/Fill | No grass plug Damp | FID = 0 PID = 0 |
| 1 | | | | | | | | | | |
| | | | | | Loose | Brown | SAND, some silt, some gravel. Fine coarse sand, well graded, fine and coarse subrounded gravel ½" - 1 ¼" | | Saturated sand | FID = 0 PID = 0 |
| 2 | | | | | | | | | | FID = 1.5 PID = 0 |
| | | 2' / 2' | SBP-SO-401-0204 Screening 12/12/03 @ 1050 | | | | Silty SAND, trace gravel, fine to coarse sand, well graded, 1 piece coarse subrounded gravel to 2", organic roots | | Dry | FID = 0 PID = 0 |
| 3 | | | | | Dense | Black Brown | Silty SAND, fine-medium sand, trace coarse sand, poorly graded, organic material and organic fibers | | | FID = 19.7 PID = 0 |
| | | | | | | | | | | FID = 2.0 PID = 0 |
| 4 | | | | | | | | | | FID = 0 PID = 0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule | | *Tetra Tech NUS, Inc.* |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 718 Near mini golf course | BORING NO.: 401 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | BORING NO.: 402 |
| PROJECT NO.: | N1369 | | START DATE: 12/12/03 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 12/12/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.6' / 2.0' | SBP-SO-402-0002 Screening 12/12/03 @ 1105 | | Slightly Dense | Brown | Top 0.2' = grass and roots (topsoil) 0.2' - 0.5' - Sandy (fine-coarse sand), SILT | SM | Moist | PID=0.0 FID=0.0 |
| 1 | | | | | | Red-Brown | 0.5' - 0.9' - Sandy (fine-medium sand), SILT | | | |
| | | | | | | Brown | 0.9' - 1.5' - Silty fine-coarse SAND | | | |
| 2 | | | | | | | 1.5' - 1.6' - Medium-coarse SAND | SP/Fill | | |
| | | 1.3' / 2.0' | SBP-SO-402-0204 Screening 12/12/03 @ 1110 | | | | 0' - 0.2' - Similar to above | | | |
| 3 | | | | | | Red-Brown | 0.2' - 0.6' - Coarse SAND, piece of plastic | | | PID=0.0 FID=0.0 |
| | | | | | | Dark Brown | 0.6' - 1.3' - Fine-medium SAND, some silt, leaf and wood fragments | | Wet | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | |
|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | |
| METHOD OF ROCK CORING: | N/A | |
| GROUNDWATER LEVELS: | | |
| OTHER OBSERVATIONS: | Phase I FID=A PID= A Flag number 735 Former Landfill area – Mini golf course BORING NO.: 402 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 403 |
| PROJECT NO.: | N1369 | START DATE: | 12/12/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 12/12/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Grass surface – Mini golf course | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 1.9' / 2' | SBP-SO-403-0002 Screening and Confirmation 12/12/03 @ 1110 | | Loose | Red Brown | SAND, trace silt, trace gravel. Fine-medium sand mostly, trace coarse sand, poorly graded, trace fine subrounded gravel to ½", organic roots | SP/Fill | Grass root plug = approximately 3" Damp | FID = 0 PID = 0 |
| 2 | | | | | Dense | Dark Brown | SAND, trace silt. Mostly fine-medium sand, poorly graded, organic fibers, seashell | | Compressed/packed soil | FID = 0 PID = 0 |
| 3 | | 1.3' / 2' | SBP-SO-403-0204 Screening 12/12/03 @ 1115 | | Loose | Dark Brown White | Silty SAND, (fine-medium sand, poorly graded) GRAVEL, trap rock, white quartz | SM/Fill GP | Damp Poor recovery Compressed soil | FID = 0 PID = 0 |
| | | | | | | Brown | SAND, trace silt (fine-medium sand mostly, trace coarse sand, poorly graded), glass, plastic | SP/Fill | | FID = 15.8 PID = 0 |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule | | *Tetra Tech NUS, Inc.* |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 698 Mini golf course | BORING NO.: 403 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 404 |
| PROJECT NO.: | N1369 | START DATE: | 12/12/03 |
| LOGGED BY: | J. Lambert | COMPLETION: DATE: | 12/12/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JD |

TRANSCRIBED BY: DH

ELEVATION FROM:

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 1.6' / 2.0' | SBP-SO-404-0002 Screening 12/12/03 @ 1125 | | Slightly Dense | Red-Brown | 0' - 0.7' - SILT, some fine sand, some organics (reed fragments, roots) | ML | Moist | PID=0.0 FID=0.0 |
| 2 | | | | | | Brown | 0.7' - 1.6' - Medium- coarse SAND | SP | Moist - wet | |
| 3 | | 1.1' / 2.0' | SBP-SO-404-0204 Screening 12/12/03 @ 1130 | | | Dark Brown | 0' - 0.8' - Similar to above<br>0.8' - 1.1' - Fine sandy SILT and organics (leaf litter, roots) | OL | Wet (saturated) | PID=0.0 FID=0.0 |
| 4 | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID=A PID=A Flag number 736 Former Landfill area – Mini golf course- Wetland area |

BORING NO.: 404

*Tetra Tech NUS, Inc.*

PAGE: 1 OF 1

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 405 |
| PROJECT NO.: | N1369 | START DATE: | 12/12/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 12/12/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Grass surface | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | SBP-SO-405-0002 | | Loose | Red Brown | SAND, trace silt. Fine-medium sand mostly, poorly graded, trace coarse sand, organic roots, twigs | SP/Fill | Grass/root plug = approximately 3" | FID = 0<br>PID = 0 |
| 1 | | | Screening<br>12/12/03 @ 1130 | | | | SAND, some gravel. Fine-medium sand mostly, trace coarse sand, fine and coarse subrounded gravel ½" – 1" | | Damp | FID = 0<br>PID = 0 |
| | | | | | | | | | Damp<br>Color change – red to black<br>Felt like fiber pad – possible geotextile or PACM | |
| 2 | | | | | | Black | SAND, trace silt, trace gravel. Fine-medium sand, trace coarse sand, poorly graded, trace coarse gravel subrounded to 1" | | | FID = 0<br>PID = 0 |
| | | | SBP-SO-405-0204 | | Denser | Red Brown | Silty SAND (fine to coarse well graded sand) | SM/Fill | Saturated (possible fines) | FID = 4.0<br>PID = 0 |
| 3 | | | Screening<br>12/12/03 @ 1140 | | | Black | SAND and GRAVEL, some silt (fine to coarse sand, well graded, fine and coarse ½" to 1 ¼" subrounded gravels, glass) | SW/GW/ Fill | Damp | |
| | | | | | | | | | | FID = 36.3<br>PID = 0 |
| 4 | | | | | Loose | White | 2 X 2" long pieces of rock at end of sleeve | Fill | | |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule | Note: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous 4' in 2' intervals | PACM = Potential asbestos containing material | |
| METHOD OF ROCK CORING: | N/A | FID/PID = C | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 715 Mini golf course area | BORING NO.: 405 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 405A |
| PROJECT NO.: | N1369 | | | START DATE: | 2/2/04 |
| LOGGED BY: | M.Bouvier/S. Bonis | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 2/2/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/D. Gooley | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | No samples collected from 0' – 4' | | | | See Boring Log Number 405 for sample collection details | | | |
| 2 | | | | | | | | | | |
| | | | | | | | | | | |
| 4 | | | | | | | | | | |
| | | 1.5' / 2.0' | SBP-SO-405A-0406 Screening 2/2/04 @ 1420 | Fill | Medium Dense | Brown | 0.4' - Poorly graded SAND, trace silt | SP | Moist Fill | FID=247 PID=<1 |
| 6 | | | | | | Dark Gray | 1.1' - Silty SAND with municipal solid waste, glass and plastic | SM/Fill | | |
| | | 0.8' / 2.0' | SBP-SO-405A-0608 Screening 2/2/04 @ 1421 | | | Dark Gray/ Black | Silty SAND with municipal solid waste, glass, wood, paper, plastic | | Saturated - Fill 18" water in hole Fill | FID=14 PID=<1 |
| 8 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4X4 Mule |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples from 4'-8' |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | Approximately 6.5' bgs |
| OTHER OBSERVATIONS: | Phase II Screening Flag Number 715 Ballfield area |

BORING NO.: 405A

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 406 |
| PROJECT NO.: | N1369 | START DATE: | 12/12/03 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 12/12/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Scott Pryzbylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Top 0.1' grass and roots | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.8' / 2.0' | SBP-SO-406-0002 Screening 12/12/03 @ 1145 | | Slightly Dense | Brown | 0.1' - 1.0' - Fine sandy, SILT, trace gravel | ML | Moist | PID=0.0 FID=0.0 |
| 1 | | | | | | | | | | |
| | | | | | | Red-Brown | 1.0' - 1.6' - Medium SAND, some rounded gravel | SP | Wet | |
| 2 | | | | | | | 1.6' - 1.8' - Fine-medium SAND, trace silt | | | |
| | | 1.3' / 2.0' | SBP-SO-406-0204 Screening 12/12/03 @ 1150 | | | | 0' - 0.2' - Similar to above | | | PID=6.1 FID=8.6 |
| 3 | | | | | | Off White | 0.2' - 0.4' - Fine-coarse SAND, some gravel | SW | Moist | |
| | | | | | | | | | | |
| 4 | | | | | | Dark Brown | 0.4' - 1.3' -Fine-coarse SAND, some gravel, trace silt | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 1) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID=A PID= A Flag number 696 Former Landfill area- field surrounding golf course |

BORING NO.: 406

Tetra Tech NUS, Inc.



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 407 |
| PROJECT NO.: | N1369 | START DATE: | 12/12/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: DH | COMPLETION: DATE: 12/12/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ S.Pryzbylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Grass surface –Mini golf course area | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.8' / 2.0' | SBP-SO-407-0002 Screening 12/12/03 @ 1200 | | Dense | Red Brown | SAND-some silt (fine-medium sand, trace coarse sand, organic roots) | SM/Fill | Damp, grass/root plug Approximately 3" Saturated sand | FID=0.0 PID=0.0 |
| 1 | | | | | Loose | ↓ | SAND and GRAVEL, (fine-coarse sand, well graded, fine-coarse subrounded gravel ½" - 1.0") | SW-GW/Fill | | |
| | | | | | ↓ | Black | SAND and GRAVEL-some silt (fine-coarse sand, well graded, fine-coarse subrounded gravel ¼" - 1", black fiber pad) | ↓ | Fiber pad (PACM) Compressed soil | FID=0.0 PID=0.0 |
| 2 | | | | | Dense | ↓ | SAND- trace gravel, trace silt (fine-medium sand mostly, 2 pieces, fine gravel to ½" – subrounded-organic roots) | SP/Fill | | FID=18 PID=0.0 |
| | | 1.0' / 2.0' | SBP-SO-407-0204 Screening 12/12/03 @ 1210 | | | Brown-Red Brown | SILTY SAND-trace gravel (fine-coarse sand, well graded, 2 pieces fine gravel to ½" subrounded) | SM/Fill | Saturated (fibers?) | |
| 3 | | | | | | Black | SILTY SAND (fine-medium sand mostly, poorly graded, gummy substance, newspaper, plastic, organic matter, fiber pad) | | Damp Fiber pad - Possible PACM | FID=82 PID=0.0 |
| | | | | | | | | | Poor recovery – Compressed soil | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite chips (4'-1') and topsoil (1'-0') | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4x4 mule | | *Tetra Tech NUS, Inc.* |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | Note: | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | PACM = Potential asbestos containing material | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I FID= C PID= C Flag number 714 Former Landfill area – Mini golf course | BORING NO.: 407 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 407A |
| PROJECT NO.: | N1369 | START DATE: | 1/26/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/26/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/M. Sarro | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

2 sleeves

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.6' / 2.0' | SBP-SO-407A-0002 Full suite less dioxin and SPLP 1/26/04 @ 1400 | | | | See Boring Log Number 407 for soil profile descriptions from 0 to 4' below grass/root plus | | Grass/root plus = approximately 3" Dry No visible PACM Geomembrane at 2' | FID = 2.4 PID = 0.0 FID = 5.6 PID = 0.0 |
| 2 | | | | | | | | | | |
| | | 1' / 2' | SBP-SO-407A-0204 Full suite less dioxin and SPLP 1/26/04 @ 1430 | | | | | | Poor recovery No visible PACM/waste Damp | FID = 19 PID = 0.0 FID = 266 PID = 0.0 |
| 4 | | | | | | | | | | |
| | | 1.5' / 2' | SBP-SO-407A-0406 Full suite less dioxin and SPLP 1/26/04 @ 1500 | | Dense | Brown | Silty SAND. Fine medium sand, poorly graded, plastic, metal, tile, seashells, glass, fabric | SM/Fill | Wet at 4' No visible PACM/waste; wet at 5' | FID = 9.6 PID = 0.0 |
| | | | | | Loose | Dark Brown | SAND, trace silt, trace gravel. Fine-medium sand, poorly graded, fine gravel to ½" subrounded, organic, twigs, reeds, roots | SP/Fill | | FID = 174 PID = 0.0 |
| 6 | | | | | | | | | | FID = 289 PID = 0.0 |
| | | | | EOB @ 6' bgs | | | EOB @ 6' bgs – Backfill with Bentonite chips (6'-1') and topsoil (1'-0') | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – LT 54 |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH TECHNIQUE |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous sampling in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | Approximately 5.5' bgs reported by driller |
| OTHER OBSERVATIONS: | Phase II Flag Number 714 Former Landfill Area-Recreational Field near mini golf FID/PID = A |

Note:
PACM = Potential asbestos containing material
Full Suite = SVOCs, Pesticides/PCBs, metals, dioxin, SPLP metals and PCBs, asbestos, and VOCs

BORING NO.: 407A

Tetra Tech NUS, Inc.



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 408 |
| PROJECT NO.: | N1369 | START DATE: | 12/12/03 |
| LOGGED BY: | J. Lambert | COMPLETION: DATE: | 12/12/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ S.Pryzbylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JD |
| TRANSCRIBED BY: | DH | | |
| ELEVATION FROM: | | | |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.2' / 2.0' | SBP-SO-408-0002 Screening 12/12/03 @ 1210 | | Slightly Dense | Brown | 0' - 0.2' - SILT, some organics (roots etc.) some fine sand, trace glass | ML/Fill | Moist | PID=0.0 FID=0.0 |
| 1 | | | | | | Red-Brown | 0.2' - 0.7' - Fine-medium SAND, trace coarse sand, trace silt | SP | Wet | |
| | | | | | | Gray | 0.7' - 0.9' - Fine-medium SAND | | Geotech liner at Approximately 1.5' | |
| 2 | | | | | | | 0.9' - 1.2' - Cobble | ------ | | |
| | | 1.1' / 2.0' | SBP-SO-408-0204 Screening 12/12/03 @ 1215 | | | | 0' - 0.3' - Cobble | ------ | Dry | PID=0.0 FID=0.8 |
| 3 | | | | | | Black | 0.3' - 1.1' - Fine-coarse SAND and charcoal –probable burn layer | SW/Fill | | |
| 4 | | | | | | | | | Slight odor | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE -- Track- mounted (Rig 1) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID=A PID=A Flag number 732 Former Landfill area –Area around Mini golf course |

BORING NO.: 408

Tetra Tech NUS, Inc.



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 409 |
| PROJECT NO.: | N1369 | START DATE: | 12/12/03 |
| LOGGED BY: | J. Lambert | COMPLETION: DATE: | 12/12/03 |
| DRILLED BY (Company/Driller): | AQUIFER DRILLING & TESTING/ S.Pryzbylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JD |

TRANSCRIBED BY: DH

ELEVATION FROM:

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Top 0.2' – topsoil (grass, roots) | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.7' / 2.0' | SBP-SO-409-0002 Screening 12/12/03 @ 1230 | | Slightly Dense | Brown | 0' - 0.5' - Fine sandy SILT | OL | Moist | PID=0.0 FID=133.0 |
| 1 | | | | | | Red Brown | 0.5' - 0.8' - Fine-medium SAND, some gravel, trace coarse sand | SP | Wet | |
| | | | | | | | 0.8' - 1.2' - Silty fine sand, trace gravel | SM | Moist | |
| 2 | | | | | | Dark Gray | 1.2' - 1.7' - Silty fine SAND, trace gravel, trace coarse sand | | Geotech liner at Approximately 2' | |
| | | 1.4' / 2.0' | SBP-SO-409-0204 Screening 12/12/03 @ 1235 | | | | 0' - 1.3' - Fine- coarse SAND | SW | Moist | PID=0.0 FID=0.0 |
| 3 | | | | | | | | | | |
| 4 | | | | | | | 1.3' - 1.4' - Fine sandy SILT | SM | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 1) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID= A PID= A Flag number 733 Former Landfill area –Field surrounding Mini golf course BORING NO.: 409 |

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 410 |
| PROJECT NO.: | N1369 | | | START DATE: | 12/12/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: | RAC | COMPLETION: DATE: | 12/12/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Grass Surface – Mini golf area | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 2' / 2' | SBP-SO-410-0002 Screening 12/12/03 @ 1230 | | Dense | Red Brown | SAND, some silt, trace gravel (fine coarse sand, well graded, 1 piece fine coarse subrounded gravel (possible trap rock, quartz, organic roots) | SM/Fill | Grass/root plug = approximately 3" | 0.0 | 0.0 |
| 1 | | | | | Loose | | SAND, trace silt, trace gravel (fine-medium sand, mostly fine gravel subrounded to ½") | SP/Fill | Dry | 0.0 | 0.0 |
| | | | | | | | | | Damp | 0.0 | 0.0 |
| 2 | | | | | Dense | | SAND, some silt (fine-medium sand mostly, poorly graded) | SM/Fill | Compacted soil | 0.0 | 0.0 |
| | | 2' / 2' | SBP-SO-410-0204 Screening 12/12/03 @ 1240 | | | | Silty SAND, trace gravel (fine-medium sand, poorly graded) | | Damp | 0.0 | 0.0 |
| | | | | | Loose | | SILT, some fine sand (poorly graded) | ML/Fill | Saturated (fines) | 0.0 | 0.0 |
| 3 | | | | | Dense | Black | SAND, some silt (mostly fine-medium sand, poorly graded), plastic pieces | SM/Fill | Dry | 0.0 | 0.0 |
| | | | | | | | - organic matter (reeds/roots) | | | | |
| 4 | | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 716 Mini Golf Course Area | BORING NO.: 410 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | |
| PROJECT NO.: | N1369 | | |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | DH |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | | |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | |

| | |
|---|---|
| BORING NO.: | 411 |
| START DATE: | 12/15/03 |
| COMPLETION: DATE: | 12/15/03 |
| MON. WELL NO.: | N/A |
| CHECKED BY: | JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.6' / 2.0' | SBP-SO-411-0002 Screening 12/15/03 @ 1445 | | Slightly Loose | Brown | 0' - 0.2' – Root Plug<br>0' - 0.9' - Sandy (fine sand) SILT | ML | Moist | PID=0.0<br>FID= 0.0 |
| 1 | | | | | | | 0.9' - 1.6' - Fine-coarse SAND and GRAVEL | SW | | |
| 2 | | | | | | | | | | |
| | | 1.5' / 2.0' | SBP-SO-411-0204 Dup.05 (Screening Duplicate) 12/15/03 @ 1455 | | Slightly Dense | Red-Brown Black | 0' - 0.4' - Fine-medium SAND, some silt, trace coarse sand<br>0.4' - 0.5' - SILT, some fine sand | ML | Wet | PID=0.0<br>FID=0.0 |
| 3 | | | | | Slightly Loose | Gray | 0.5' - 1.3' - Fine-medium SAND | SP | | |
| 4 | | | | | | Yellow/Gray | 1.3' - 1.5' - Similar to above – color change only | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID= C PID= C Flag number 419 Former Landfill area |

BORING NO.: 411

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 412 |
| PROJECT NO.: | N1369 | START DATE: | 12/15/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 12/15/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | NA | | | | | | Grass Surface – outside ballfield | | | | |
| | | 1.8' / 2' | SBP-SO-412-0002 Screening 12/15/03 @ 1510 | | Dense | Red Brown | SAND, some silt. Fine-medium sand, poorly graded, organic roots | SM/Fill | Grass/root plug = approximately 4" Damp wet surface | 0.0 | 0.0 |
| 1 | | | | | Loose | Tan-Gray | SAND, fine-medium sand, poorly graded, seashells | SP/Fill | | | |
| | | | | | | | | | | 0.0 | 0.0 |
| 2 | | | | | | | Possible WASTE material, dark brown. Spongy soil with PACM, possible silty sand | SM/Fill | Possible PACM. Long, shiny fibers | 0.0 | 0.0 |
| | | 2' / 2' | SBP-SO-412-0204 Screening 12/15/03 @ 1515 | | Dense | Dark Brown | SAND. Fine-medium sand, poorly graded, seashells. One inch thick layer of spongy material with fibers - PACM | | Saturated sand Possible organic fibers or asbestos - Can not tell visually | 0.0 | 0.0 |
| 3 | | | | | Loose | Tan Gray | SAND, trace gravel. Fine-medium sand, poorly graded, organic fibers, wood chunks, seashells, fine gravel subrounded to ½" | SP/Fill | | | |
| | | | | | Dense | Dark Brown | One inch thick layer of spongy material with fibers (organic and possible PACM) | | Organic fibers, reeds Some shiny fibers - PACM | 0.0 | 0.0 |
| 4 | | | | | Loose | Tan Gray | SAND. Fine-medium sand, poorly graded, seashells, wood chunk at bottom | | | 167 | 0.0 |
| | | | | | | | | | | 0.0 | 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule | Note: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | PACM – Possible asbestos containing material | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 544 Outside ballfield - between ballfield and parking lot | BORING NO.: 412 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 413 |
| PROJECT NO.: | N1369 | | | START DATE: | 12/15/03 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 12/15/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Top 0.2' root plug | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.4' / 2.0' | SBP-SO-413-0002 Screening 12/15/03 @ 1535 | | Slightly Loose | Brown | 0' - 0.7' - SILT, some fine sand | ML | Moist | PID=0.0 FID=0.0 |
| 1 | | | | | | | | | | |
| | | | | | | | 0.7' - 1.4' - Gravelly, fine-coarse SAND | SW | | |
| 2 | | | | | | | | | | |
| | | 1.6' / 2.0' | SBP-SO-413-0204 Screening Confirmation 12/15/03 @ 1540 | | | Red Brown | 0' - 0.4' - Similar material to above<br>0.4' - 0.7' - Medium- coarse SAND, trace fine sand | | | PID=0.0 FID=0.0 |
| 3 | | | | | | | | | | |
| | | | | | | Brown | 0.7' - 1.4' - Sandy (fine sand) SILT | ML | | |
| 4 | | | | | | Gray | 1.4' - 1.6' - Fine-medium SAND | SP | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | | | |
|---|---|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) | | | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | | | |
| METHOD OF ROCK CORING: | N/A | | | | |
| GROUNDWATER LEVELS: | | | | | |
| OTHER OBSERVATIONS: | Phase I FID= C PID= C | Flag number 418 | Former Landfill area | BORING NO.: 413 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 414 |
| PROJECT NO.: | N1369 | START DATE: | 12/15/03 |
| LOGGED BY: | K. Jalkut | COMPLETION: DATE: | 12/15/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JL |

TRANSCRIBED BY: RAC

ELEVATION FROM:

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Grass Surface | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | SBP-SO-414-0002 | | Loose (except mat) | Dark Brown | SAND, trace silt, organic material. Fine-medium sand, poorly graded, organic roots, fibrous (organic) | SP / PT / Fill | Fibrous material below grass plug (approximately 3" ) | 0.0 | 0.0 |
| 1 | | | Screening 12/15/03 @ 1540 | | | Red Brown | SAND, organics. Fine-medium sand, poorly graded, seashells, organic fibers, brick pieces | SP / Fill | Dry | 0.0 | 0.0 |
| | | | | | | Tan - Gray | SAND. Fine-medium sand, poorly graded, seashells | | Damp | 0.0 | 0.0 |
| 2 | | | | | | Dark Gray | SAND. Fine-medium sand, poorly graded, similar to above | | Damp | 0.0 | 0.0 |
| | | | SBP-SO-414-0204 | | Denser | Tan - Gray | SAND, trace silt. Fine-medium sand, poorly graded, organic material (fibers), possible PACM | | Saturated sand | 0.0 | 0.0 |
| 3 | | | Screening and Confirmation 12/15/03 @ 1545 | | | Dark Brown | SAND, some silt, compressed soil with fibers (organic and possible PACM with long and shiny fibers) | SM/Fill | Damp, organic fibers, possible PACM (long and shiny) | 0.0 | 0.0 |
| 4 | | | | | | | | | Damp, organic fibers and PACM | | |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule | Note: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | PACM – Possible asbestos containing material | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 571 | BORING NO.: 414 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 415 |
| PROJECT NO.: | N1369 | START DATE: | 12/15/03 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 12/15/03 |
| DRILLED BY (Company/Driller): | AQUIFER DRILLING & TESTING/ S.Pryzbylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.7' / 2.0' | SBP-SO-415-0002 Screening 12/15/03 @ 1600 | | Slightly Loose | Brown | 0' - 1.1' - Sandy (fine sand) SILT, trace gravel | ML | | PID=0.0 FID=0.0 |
| 1 | | | | | | | | | | |
| | | | | | | | 1.1' - 1.7' - Fine-coarse SAND and GRAVEL | SW | | |
| 2 | | | | | | | | | | |
| | | 1.5 / 2.0' | SBP-SO-415-0204 Screening 12/15/03 @ 1605 | | | | 0' - 0.8' - Similar to above | | | PID=0.0 FID=0.0 |
| 3 | | | | | | Red-Brown | 0.8' - 1.5' - Fine-coarse SAND, trace gravel | | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | | | |
|---|---|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 1) | | | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | | | |
| METHOD OF ROCK CORING: | N/A | | | | |
| GROUNDWATER LEVELS: | | | | | |
| OTHER OBSERVATIONS: | Phase I FID= C PID= C Flag number 417 Former Landfill area | BORING NO.: 415 | | | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 416 |
| PROJECT NO.: | N1369 | START DATE: | 12/15/03 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 12/15/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.6' / 2.0' | SBP-SO-416-0002 Screening 12/15/03 @ 1615 | | Slightly Loose | Brown | Top 0.2' - Grass and roots<br>0' - 0.7' - SILT, some fine sand | ML | Moist | PID=0.0<br>FID=0.0 |
| 1 | | | | | | | 0.7' - 1.6' - Fine-coarse SAND and GRAVEL, trace silt | SW/Fill | | |
| 2 | | | | | | | | | | |
| 3 | | 0.8' / 2.0' | SBP-SO-416-0204 Screening 12/15/03 @ 1620 | | | | Fine-coarse SAND and GRAVEL, trace silt, some asphalt pieces | | | PID=0.0<br>FID=0.0 |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | | | |
|---|---|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) | | | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE, Open tube continuous samples to 4 feet in 2 foot intervals | | | | |
| METHOD OF ROCK CORING: | N/A | | | | |
| GROUNDWATER LEVELS: | | | | | |
| OTHER OBSERVATIONS: | Phase I FID= C PID= C | Flag number 416 | Former Landfill area | BORING NO.: 416 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 416A |
| PROJECT NO.: | N1369 | START DATE: | 1/30/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/30/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/Rob Ullmann | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | No samples collected from 0' – 4' bgs | | | | Refer to Boring Log Number 416 for soil profile details from 0' – 4' bgs | | | |
| 4 | | | | | | | | | | |
| | | 1.3' / 2.0' | SBP-SO-416A-0406 Screening 1/30/04 @ 0850 | | Slightly Dense | Dark Red Brown | 0' – 0.6' – Medium coarse SAND, geotextile at bottom of layer<br>0.6' – 0.8' – Silty fine SAND, cobble fragment (subrounded) | SP<br>SM | Moist<br>Geotextile at 0.6' | PID = 0.3<br>FID = 0.0 |
| 5 | | | | | | Black Dark Gray | 0.8' – 1.0' – Silty fine SAND, PACM (fibers)<br>1.0' – 1.3' – Fine-medium SAND | SP | | |
| 6 | | | | | | | | | | |
| | | 1.4' / 2.0' | SBP-SO-416A-0608 Screening 1/30/04 @ 0900 | | | Black | 0' – 0.3' – Similar material to above<br>0.3' – 0.4' – Fine-coarse SAND, some charcoal fragments | SW/Fill | | PID = 0.1<br>FID = 0.6 |
| 7 | | | | | | | 0.4' – 1.0' – Fine-coarse SAND, some glass, trace silt<br>1.0' – 1.1' – Micaceous fragments | | | |
| 8 | | | | | | | 1.1' – 1.3' – Silty fine SAND<br>1.3' – 1.4' - Silty fine SAND and metal fragments | SM/Fill | Wet | |
| | | 0.8' / 2.0' | SBP-SO-416A-0810 Screening 1/30/04 @ 0930 | | | Brown | 0' – 0.4' - Silty fine-coarse SAND, some gravel | | Moist | PID = 3.4<br>FID = 8.5 |
| 9 | | | | | | Black | 0.4' – 0.5' - Fine-coarse SAND, trace charcoal fragments | SW/Fill | | |
| 10 | | | | | | | 0.5' – 0.6' – Fine-coarse SAND and GRAVEL<br>0.6' – 0.8' - Fine-medium SAND, trace silt | SP | | |
| 12 | | 0.5' / 2.0' | SBP-SO-416A-1012 Screening 1/30/04 @ 0940 | EOB @ 12' bgs | Slightly Loose | Dark Brown | Silty fine-medium SAND | SM | Wet | PID = 0.0<br>FID = 0.0 |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) | Notes: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | PID/FID = C – FID failed afternoon check | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | Phase II screening = Asbestos and Metals | |
| METHOD OF ROCK CORING: | N/A | PACM = Potential asbestos containing material | |
| GROUNDWATER LEVELS: | Approximately 11.5' bgs | | |
| OTHER OBSERVATIONS: | Phase II - PID/FID = C Old Flag Number 416 - Former Landfill Area, area between soccer field and mini golf course | BORING NO.: 416A | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 417 |
| PROJECT NO.: | N1369 | START DATE: | 12/16/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: DH | COMPLETION: DATE: 12/16/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ S. Pryzbylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | Grass surface between ballfield and parking lot | | | |
| | | 2.0' / 2.0' | SBP-SO-417-0002 Screening 12/16/03 @ 0815 | | Loose | Brown | Silty fine-medium SAND- poorly graded, organics (roots) | SM/Fill | Saturated- standing water at surface | FID=0.0 PID=0.0 |
| 1 | | | | | Denser | | | | Damp only | FID=0.0 PID=0.0 |
| | | | | | Loose | Tan/Gray | SAND- fine-medium sand, poorly graded, seashells | SP/Fill | Damp only | FID=8.8 PID=0.0 |
| 2 | | | | | Dense | Dark Brown | SAND-some gravel, trace silt, fine-medium sand mostly, trace coarse sand, poorly graded, fine-coarse gravel subrounded -1/2" -1 ½" | | | FID=137 PID=0.0 |
| | | 1.6' / 2.0' | SBP-SO-417-0204 Screening 12/16/03 @ 0820 | | | | SAND – some gravel | | Damp | FID=90.7 PID=0.0 |
| 3 | | | | | | | Fine-medium SAND mostly, some coarse sand, fine-coarse subrounded gravel ½"-1 ½", organic material | | | FID=176 PID=0.0 |
| 4 | | | | | | | | | | FID=32.5 PID=0.0 |
| | | | | EOB @ 4' bgs | | | Backfill with bentonite chips (4' – 1') and topsoil (1'- 0') | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4x4 mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag number 594 | BORING NO.: 417 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | BORING NO.: 417A |
| PROJECT NO.: | N1369 | | START DATE: 1/29/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 1/29/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | No Samples collected from 0' - 4' bgs | | | | Refer to Boring Log Number 417 for soil profile details from 0-4' | | | |
| 1 | | | | | | | | | | |
| 2 | | | | | | | | | | |
| 3 | | | | | | | | | | |
| 4 | | | | | | | | | | |
| | | 1.6' / 2.0' | SBP-SO-417A-0406 Screening and confirmation 1/29/04 @ 1550 | | Slightly Loose | Gray | 0' - 0.5' - Fine SAND | SP | Moist | PID=0.0 FID=24.0 |
| 5 | | | | | | Brown | 0.5' - 0.6' - WOOD, some fine sand | Fill | | |
| | | | | | | Gray | 0.6' - 1.6' - Fine SAND | SP | | |
| 6 | | | | | | | | | | |
| | | 0.5' / 2.0' | SBP-SO-417A-0608 Screening 1/29/04 @ 1620 | | | | 0' - 0.2' - Similar to above | | | PID=0.0 FID=0.0 |
| 7 | | | | | | Dark Gray | 0.2' - 0.5' - Silty fine-medium SAND | SM | | |
| 8 | | | | EOB @ 8' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) | Note: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | Phase II Screening = Asbestos and Metals | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Approximately 7' bgs | | |
| OTHER OBSERVATIONS: | Phase II FID= B PID= B Old Flag number 594 Former Landfill area – baseball field area | BORING NO.: 417A | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 418 |
| PROJECT NO.: | N1369 | START DATE: | 12/16/03 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 12/16/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann & Scott Pryzbylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.9' / 2.0' | SBP-SO-418-0002 Screening 12/16/03 @ 0845 | | Slightly Loose | Brown | 0' - 0.4' - Topsoil; grass/roots in top 0.2' fine sandy SILT, some organics | ML | | PID=0.8 FID=0.0 |
| 1 | | | | | ↓ | Black | 0.4' - 0.5' - Fine-coarse SAND, some charcoal- burn layer | SW/Fill | | |
| | | | | | Loose | Brown Tan | 0.5' - 0.8' - Fine-coarse SAND and SILT 0.8' - 1.4' - Fine-medium SAND, some gravel | SM SP | | |
| 2 | | | | | Slightly Loose | Dark Brown | 1.4' - 1.9' - Fine-coarse SAND, some gravel, trace silt, wood fragments | SW/Fill | | |
| | | 1.4' / 2.0' | SBP-SO-418-0204 Screening and Confirmation 12/16/03 @ 0850 | | | Brown | 0' - 0.2' - Similar to above 0.2' - 1.1' - Fine-coarse SAND, some gravel, trace silt, also glass, metal fragments | | | PID=0.0 FID=1.0 |
| 3 | | | | | | | | | | |
| | | | | | | Light Brown | 1.1' - 1.4' - SILT, some fine-coarse sand | ML | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4x4 mule (rig 1—recorded in rig 2 log) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID= B PID= B Flag number 616 Former Landfill area – Baseball Field |

BORING NO.: 418

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 419 |
| PROJECT NO.: | N1369 | START DATE: | 12/16/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 12/16/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Ballfield - outfield | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 2' / 2' | SBP-SO-419-0002 Screening 12/16/03 @ 0845 | | Dense | Brown | SAND, some silt. Fine-medium sand, poorly graded, organic roots | SM/Fill | Grass/root plug - approximately 2" Saturated – surface is wet | 0.0 | 0.0 |
| 1 | | | | | Loose | Tan Gray | SAND. Fine-medium sand, poorly graded, seashells | SP/Fill | | 0.0 | 0.0 |
| | | | | | | | | | Damp only | | |
| 2 | | | | | | | | | | 0.0 | 0.0 |
| | | 1.9' / 2' | SBP-SO-419-0204 Screening 12/16/03 @ 0850 | | | | Similar material to above with wood chunk | | Saturated sand | 0.0 | 0.0 |
| 3 | | | | | Dense | Dark Brown | SAND, some silt, some gravel. Fine-medium sand mostly, trace coarse sand, fine and coarse subrounded gravel ½" – 1", organic roots, roots, glass | SM/Fill | Damp only | 0.0 | 0.0 |
| | | | | | | | | | | | |
| 4 | | | | | | | | | | 32.3 | 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 473 Ballfield - Outfield | BORING NO.: 419 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 420 |
| PROJECT NO.: | N1369 | START DATE: | 12/16/03 |
| LOGGED BY: | J. Lambert | COMPLETION: DATE: | 12/16/03 |
| DRILLED BY (Company/Driller): | AQUIFER DRILLING & TESTING/ Rob & S. Pryzbylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JD |
| TRANSCRIBED BY: | DH | | |
| ELEVATION FROM: | | | |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.9' / 2.0' | SBP-SO-420-0002 Screening 12/16/03 @ 0910 | | Slightly Loose | Brown | 0' - 0.4' - Top soil- grass, roots, SILT, some fine sand | ML | Wet | PID=0.0 FID=0.0 |
| 1 | | | | | | Gray | 0.4' - 1.9' - Fine-medium SAND | SP | Moist | |
| 2 | | | | | | | | | | |
| 3 | | 1.8' / 2.0 | SBP-SO-420-0204 Screening 12/16/03 @ 0915 | | Slightly Dense | Black | 0' - 0.2' - Similar to above<br>0.2' - 0.9' - Sandy (fine-coarse sand) SILT, some charcoal - possible burn layer | ML/Fill | Wet | PID=0.0 FID=185.6 |
| 4 | | | | | | Dark Brown | 0.9' - 1.8' - Fine-coarse SAND, some silt, cinder/charcoal fragments | SW/Fill | Wet | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4x4 mule (rig 1- in rig 2 logbook) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID= B PID= B Flag number 496 Former Landfill area – Baseball Field |

BORING NO.: 420

Tetra Tech NUS, Inc.



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 421 |
| PROJECT NO.: | N1369 | START DATE: | 12/16/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 12/16/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | NA | | | | | | Grass surface – baseball outfield | | | | |
| | | 1.7' / 2' | SBP-SO-421-0002 Screening 12/16/03 @ 0900 | | Dense | Red Brown | Silty fine-medium SAND, poorly graded, organic roots | SM/Fill | Grass/root plug - approximately 3" Wet at surface | 0.0 | 0.0 |
| 1 | | | | | Loose | Tan-Gray | SAND. Fine-medium sand, poorly graded | SP/Fill | | | |
| 2 | | | | | | | | | Damp only. No seashells observed | 0.0 | 0.0 |
| 3 | | 2' / 2' | SBP-SO-421-0204 Screening 12/16/03 @ 0850 | | | | | | Damp only | 0.0 | 0.0 |
| 4 | | | | | | Dark Gray | SAND. Fine-medium sand, poorly graded, organic roots | | Damp only | | |
| | | | | | Denser | Black | SAND, some silt, organics. Fine-medium sand, poorly graded, organic material- roots, reeds | SM/Fill | Wet | 0.0 | 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I Flag Number 497 Ballfield - Outfield |

BORING NO.: 421

Tetra Tech NUS, Inc.



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 422 |
| PROJECT NO.: | N1369 | START DATE: | 12/16/03 |
| LOGGED BY: | J. Lambert | COMPLETION: DATE: | 12/16/03 |
| DRILLED BY (Company/Driller): | AQUIFER DRILLING & TESTING/ Rob & Scott Pryzbylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JD |
| TRANSCRIBED BY: | DH | | |
| ELEVATION FROM: | | | |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | | | | |
| | | 1.6' / 2.0' | SBP-SO-422-0002 Screening 12/16/03 @ 0940 | | Slightly Loose | Brown | 0' - 0.5' - Fine-medium SAND, and SILT, grass/roots top 0.2' | SM | | PID=0.0 FID=0.0 |
| 1 | | | | | Dense | Red-Brown | 0.5' - 0.6' - Material similar to baseball diamond / tennis courts (clay), very dense, almost solid | Fill | | |
| | | | | | Slightly Loose | Tan | 0.6' - 1.2' - Fine-medium SAND<br>1.2' - 1.6' - Silty, fine-coarse SAND, trace glass fragments | SP<br>SM/Fill | | |
| 2 | | | | | | | | | | |
| | | 1.8' / 2.0' | SBP-SO-422-0204 Screening 12/16/03 @ 0945 | | | Brown | 0' - 0.8' - Similar material to above<br>0.8' - 1.4' - Fine-coarse SAND, some silt | SW | | PID=0.0 FID=0.0 |
| 3 | | | | | | Black | 1.4' - 1.8' - Silty, fine-coarse SAND, some glass fragments, trace wood, charcoal- possible burn layer, and brick, PACM, fabric with tiny fibers when broken open | SM/Fill | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4x4 mule (rig1) | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | Note: | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | PACM = Potentially asbestos containing material | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I FID=B PID=B Flag number 516 Former Landfill area – Baseball Field | BORING NO.: 422 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 423 |
| PROJECT NO.: | N1369 | START DATE: | 12/16/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 12/16/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.8' / 2' | SBP-SO-423-0002 Screening 12/16/03 @ 0930 | | Loose | Red Brown | SAND, trace silt. Fine-medium mostly, trace coarse sand, organic roots, poorly graded sand | SP/Fill | Grass/root plug - approximately 3" | 0.0 | 0.0 |
| 1 | | | | | | Tan Gray | SAND. Fine-medium sand, poorly graded | | | | |
| | | | | | | | | | Damp. No seashells viewed | 0.0 | 0.0 |
| 2 | | | | | | | | | | | |
| | | 2' / 2' | SBP-SO-423-0204 Screening 12/16/03 @ 0935 | | Dense | Black | Organic SILT, silt with organic reeds and roots | OL/Fill | Saturated sand Damp silt | 5.4 | 0.0 |
| 3 | | | | | Loose | Gray | SAND and GRAVEL, fine coarse sand, well graded, fine and coarse subrounded gravel to ½" to 1", organic roots | SW-GW Fill | | | |
| | | | | | | | | | Damp sand | 77.6 | 0.0 |
| 4 | | | | | | | | | | 27.3 | 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule | Note: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | Refusal at 0'-2' – moved ahead 1' and re-drilled 0'-2' and 2'-4' | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 517 | BORING NO.: 423 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 424 |
| PROJECT NO.: | N1369 | | | START DATE: | 12/16/03 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 12/16/03 |
| DRILLED BY (Company/Driller): | AQUIFER DRILLING & TESTING/ Rob | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | & Scott Pryzbylski | ELEVATION FROM: | | CHECKED BY: | JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.7' / 2.0' | SBP-SO-424-0002 Screening 12/16/03 @ 1000 | | Slightly Loose | Brown | 0' - 0.3' - grass/roots and sandy (fine sand) | ML | Wet | PID=0.0 FID=0.0 |
| 1 | | | | | Slightly Dense Slightly Loose | Dark Tan | 0.3' - 0.6' - Silty, fine-medium SAND 0.6' - 1.3' - Fine-medium SAND | SM SP | Moist | |
| 2 | | | | | Slightly Dense | Dark Gray | 1.3' - 1.7' - Fine SAND and SILT, trace root fibers (natural) | SM | Moist | |
| 3 | | 1.7' / 2.0' | SBP-SO-424-0204 Screening 12/16/03 @ 1005 | | | | Fine sandy SILT, some medium-coarse sand, trace gravel, trace charcoal, glass | ML/Fill | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4x4 mule (rig 1) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID= B PID= B Flag number 518 Former Landfill area –Baseball Field |

BORING NO.: 424

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 425 |
| PROJECT NO.: | N1369 | START DATE: | 12/16/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 12/16/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | NA | | | | | | Grass surface – outside ballfield | | | | |
| | | 1.6' / 2' | SBP-SO-425-0002 Screening 12/16/03 @ 1015 | | Dense | Dark Brown | SAND, trace silt. Fine-medium sand, trace coarse sand, poorly graded, organic roots | SP/Fill | Grass/root plug – approximately 2" | 0.0 | 0.0 |
| 1 | | | | | Loose | White | Quartz pebble – 2" | | | | |
| 2 | | | | | | Tan Gray | SAND, fine-medium sand, poorly graded | | Poor recovery Compressed soil. No shells viewed Damp | 0.0 | 0.0 |
| 3 | | | SBP-SO-425-0204 Screening and Confirmation 12/16/03 @ 1020 | | | | | | Saturated sand | 0.0 | 0.0 |
| 4 | | | | | Dense | Dark Gray / Black | Similar to above with trace seashells SAND, trace silt, fine-medium sand, poorly graded, trace organics / SAND, some silt, organic reeds/roots - spongy material | SM/Fill | Damp / Damp spongy material | 0.0 / 0.0 | 0.0 / 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I Flag Number 590 Outside ballfield fence |

BORING NO.: 425

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | BORING NO.: 426 |
| PROJECT NO.: | N1369 | | START DATE: 12/16/03 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 12/16/03 |
| DRILLED BY (Company/Driller): | AQUIFER DRILLING & TESTING/ Rob | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | & Scott Pryzbylski | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.8' / 2.0' | SBP-SO-426-0002 Screening 12/16/03 @ 1030 | | Slightly Loose | Brown | Top 0.2' - Grass/roots<br>0' - 0.4' - Silty fine-medium SAND, (frozen) | SM | (frozen) | PID=0.0<br>FID=0.0 |
| 1 | | | | | Loose | | 0.4' - 0.9' - Fine-coarse SAND and GRAVEL angular- subrounded gravel | SW | Moist | |
| 2 | | | | | Slightly Loose | Tan | 0.9' - 1.8' - Fine-medium SAND, trace seashells | SP | Moist | |
| 3 | | 1.8' / 2.0' | SBP-SO-426-0204 Screening and Confirmation 12/16/03 @ 1035 | | | | 0' - 1.5' - Fine-medium SAND; seashell layer at 1.0', piece of wood at 1.2' | | Wet | PID=0.0<br>FID=0.0 |
| 4 | | | | | | Gray | 1.5' - 1.8' - Fine-medium SAND; has fine (<1cm) layers of lighter-darker material- possibly native | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4x4 mule (rig 1) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID=B PID= B Flag number 569 Former Landfill area – next to parking lot (by baseball fields) |

BORING NO.: 426

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 427 |
| PROJECT NO.: | N1369 | START DATE: | 12/16/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 12/16/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | NA | | | | | | Grass surface – outside ballfield fence | | | | |
| | | 1.6' / 2' | SBP-SO-427-0002 Screening 12/16/03 @ 1040 | | Loose | Brown | SAND, trace silt. Fine-medium sand, poorly graded, organic roots | SP/Fill | Grass/root plug – approximately 2" Frozen surface | 0.0 | 0.0 |
| 1 | | | | | | Tan Gray | SAND (fine-medium sand, poorly graded, seashells) | | | | |
| 2 | | | | | | | | | Damp sand | 0.0 | 0.0 |
| 3 | | | SBP-SO-427-0204 Screening 12/16/03 @ 1045 | | | | | | | 0.0 | 0.0 |
| 4 | | | | | | | | | | 2.0 | 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 543 Outside ballfield fence | BORING NO.: 427 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | BORING NO.: 428 |
| PROJECT NO.: | N1369 | | START DATE: 12/16/03 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: RAC | COMPLETION: DATE: 12/16/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/R. Ullmann/S. Przybylski | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Top 0.2' – Grass/roots | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.7' / 2' | SBP-SO-428-0002 Screening 12/16/03 @ 1055 | | Slightly Loose | Brown | 0.2' – 0.4' – Fine sandy SILT, some organics (roots) | ML | Moist | | |
| | | | | | | Gray | 0.4' – 0.5' – Coarse GRAVEL piece | ---- | | 0.0 | 0.0 |
| 1 | | | | | | Tan | 0.5' – 1.4' – Fine coarse SAND, trace silt, trace seashells and roots | SW | | | |
| | | | | | | Gray | 1.4' – 1.7' – Fine-medium SAND | SP | | | |
| 2 | | | | | | | | | | | |
| | | 1.4' / 2' | SBP-SO-428-0204 Screening 12/16/03 @ 1100 | | Loose | Gray | Fine-medium SAND, wood fragments at 1.0', 1.3' in macrocore | SP/Fill | Dry 0 – 0.6' Wet 0.6 – 1.4' | 0.0 | 0.0 |
| 3 | | | | | | | | | | | |
| 4 | | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule (rig 1) | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Water table approximately 2.6' bgs | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 570 Former Landfill Area – Next to parking lot (by baseball fields) PID/FID = B | BORING NO.: 428 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 429 |
| PROJECT NO.: | N1369 | START DATE: | 12/16/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 12/16/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Grass surface – Between ballfields | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.8' / 2' | SBP-SO-429-0002 Screening 12/16/03 @ 1100 | | Dense | Red - Brown | SAND, some silt (fine-medium sand, poorly graded, organic root material) | SM/Fill | Grass/root plug – approximately 2" Damp | 0.0 | 0.0 |
| 1 | | | | | Loose | Tan - Gray | SAND, fine-medium sand, poorly graded, seashells | SP/Fill | | 0.0 | 0.0 |
| | | | | | | | | | Saturated sands | | |
| 2 | | | | | | | | | | 0.0 | 0.0 |
| | | | SBP-SO-429-0204 Screening 12/16/03 @ 1105 | | | | | | | | |
| 3 | | | | | | | | | | 0.0 | 0.0 |
| | | | | | | | | | | | |
| 4 | | | | | | Dark Gray | SAND (fine-medium sand, poorly graded, trace seashells) | | | 0.0 | 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 520 Between ballfields – near bleachers | BORING NO.: 429 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | BORING NO.: 430 |
| PROJECT NO.: | N1369 | | START DATE: 12/16/03 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 12/16/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ S. Pryzbylski | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.7' / 2.0' | SBP-SO-430-0002 Screening 12/16/03 @ 1115 | | Slightly Loose | Brown | 0' - 0.5' - Sandy (fine and coarse sand) SILT | ML | Moist | PID-0.0 FID=0.0 |
| 1 | | | | | | Gray | 0.5' - 1.7' - Fine-medium SAND, trace seashells. Also shell layer (0.1') at 1.4' | SP | | |
| 2 | | | | | | | | | | |
| 3 | | 1.9' / 2.0' | SBP-SO-430-0204 Screening 12/16/03 @ 1120 | | | | 0' - 1.3' - Similar to above, shell layers at 0.2' and 1.0' | | Wet | PID=0.0 FID=0.0 |
| 4 | | | | | Slightly Dense | Dark Gray | 1.3' - 1.9' - Silty fine SAND, trace coarse sand | | Moist | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4x4 mule (rig 1) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID= B PID= B Flag number 521 Former Landfill area – Behind baseball BORING NO.: 430 |

*Tetra Tech NUS, Inc.*

PAGE: 1 OF 1

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 430A |
| PROJECT NO.: | N1369 | | | START DATE: | 1/26/04 |
| LOGGED BY: | C. Rousseau/Neb Dedic | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 1/26/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ S.Przybylski | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | No samples collected from 0' – 4' | | | | Refer to Boring Log 430 for Phase I, 0' – 4' completed and previously logged. Resume sampling at 4' – 6' intervals | | | |
| 2 | | | | | | | | | | |
| 4 | | | | | | | | | | |
| | | 2.0' / 2.0' | SBP-SO-430A-0406 Screening 1/26/04 @ 1310 | | Loose | Brown/ Grayish | 4.0' - 5.0' - Silty SAND, fine–medium sand | SM/Fill | Moist - wet No waste noted, sulfur odor | FID=2200 PID=3.3 |
| 6 | | | | | | Black | 5.0' – 6.0' - ORGANIC material, silty SAND. Fine to medium sand reeds | | | FID=2200 |
| | | 2.0' / 2.0' | SBP-SO-430A-0608 Screening 1/26/04 @ 1320 | | | Grayish Black | 6.0' – 6.5' - Silty SAND, fine – medium sand 6.5' – 7.0' – ORGANICS, silty SAND | | Moist – wet Plastic, glass, fill material | FID=1620 PID=1.2 |
| 8 | | | | | | Black/ Grayish | 7.0' – 8.0' - Silty SAND, fine-medium sand, trace coarse sand, trace gravel | | | |
| | | 1.1' / 2.0' | SBP-SO-430A-0810 Screening 1/26/04 @ 1400 | | | | 8.0' – 8.4' - Silty SAND, fine – medium sand, glass pieces | | Moist-wet Glass pieces, wood fragments | |
| 10 | | | | | | | 8.4' – 10' – Organic material, wood fragments, silty SAND, fine sand with silt | | | FID=1223 PID=2.0 |
| | | 1.5' / 2.0' | SBP-SO-430A-1011.5 **SAMPLE NOT COLLECTED** | | | Black | 10' – 12' - Saturated, fine-medium SAND with silt, glass pieces | | Saturated Glass pieces | |
| 12 | | | | | | | | | | |
| | | | | EOB @ 12' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4X4 Mule | | *Tetra Tech NUS, Inc.* |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Continuous to water table /2.0 feet intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Possible water table 8 – 8.5' bgs | | |
| OTHER OBSERVATIONS: | Phase II Screening FID (C) PID (C) Flag number 521 | BORING NO.: 430A | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | BORING NO.: 431 |
| PROJECT NO.: | N1369 | | START DATE: 12/16/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 12/16/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.5' / 2.0' | SBP-SO-431-0002 Screening 12/16/03 @ 1130 | | Dense | Red Brown | SAND, trace silt, trace gravel. Fine medium sand, poorly graded, 1 piece fine subrounded gravel to ½" | SP/Fill | Grass/root plug approximately 3" Frozen surface Wet at surface Damp sand | PID = 0.0 FID = 0.0 |
| 1 | | | | | Loose | Brown | SAND, fine medium sand, poorly graded, no seashells, wood chunk | Fill | | PID = 0.0 FID = 0.0 |
| | | | | | | Tan-Gray | SAND, fine medium sand, poorly graded, trace seashells | SP/Fill | Damp sand | PID = 0.0 FID = 0.0 |
| 2 | | | | | | | | | | PID = 0.0 FID = 0.0 |
| | | 2.0' / 2.0' | SBP-SO-431-0204 Screening 12/16/03 @ 1140 | | | | - Similar to above with some seashells | | Saturated sand | PID = 0.0 FID = 0.0 |
| 3 | | | | | | | | | | |
| | | | | | | | | | | |
| 4 | | | | | | Dark Gray | SAND, similar to above, noted color change | | | PID = 0.0 FID = 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite (4'-1') and topsoil (1'-0') | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 500 Areas between ballfields -- near bleachers | BORING NO.: 431 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | BORING NO.: 431A |
| PROJECT NO.: | N1369 | | START DATE: 1/20/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/21/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/R. Ullmann | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | SBP-SO-431A-0002 | | | | Refer to Boring Log Number 431 for soil profile details from 0' – 4' bgs | | | |
| | | | Full suite less dioxin and SPLP | | | | | | | |
| 2 | | | 1/20/04 @ 1530 | | | | | | | |
| | | | SBP-SO-431A-0204 | | | | | | | |
| | | | Full suite less dioxin and SPLP | | | | | | | |
| 4 | | | 1/21/04 @ 0845 | | | | | | | |
| | | 1.3' / 2.0' | SBP-SO-431A-0406 | | Slightly Loose | Gray | 0' – 0.9' – Fine-medium SAND, trace shell fragments | SP | Moist | PID = 0.0 |
| | | | Full suite less dioxin and SPLP | | | Dark Gray | 0.9' – 1.1' – Fine-medium SAND, trace glass | SP/Fill | Sweet odor | FID = 70.8 |
| 6 | | | 1/21/04 @ 0905 | | | Gray | 1.1' – 1.3' – Fine-medium SAND, trace metal fragments | | Wet | |
| | | | | EOB @ 6' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track mounted (rig 2) | Note: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | Full Suite = SVOCs, Pesticides/PCBs, metals, dioxin, SPLP metals and PCBs, asbestos, and VOCs | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Approximately 5' EOB | | |
| OTHER OBSERVATIONS: | Phase II Flag Number 360 PID/FID = C (1/20/04) and F (1/21/04) Former Landfill Area – Baseball Area | BORING NO.: 431A | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | |
| PROJECT NO.: | N1369 | | |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | DH |
| DRILLED BY (Company/Driller): | AQUIFER DRILLING & TESTING/ S. | | |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | |

| | |
|---|---|
| BORING NO.: | 432 |
| START DATE: | 12/16/03 |
| COMPLETION: DATE: | 12/16/03 |
| MON. WELL NO.: | N/A |
| CHECKED BY: | JD |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | Top 0.2' – grass/roots | | | |
| | | 1.5' / 2.0' | SBP-SO-432-0002 Screening 12/16/03 @ 1135 | | Slightly Loose | Brown | 0.2' - 0.7' - Fine sandy SILT, some organics (roots) | ML | Moist | PID=0.0 FID=0.0 |
| 1 | | | | | | Tan | 0.7' - 1.5' - Fine-medium SAND, some seashells, shell layer at 0.8' | SP | | |
| 2 | | | | | | | | | | |
| | | 1.9' / 2.0' | SBP-SO-432-0204 Screening 12/16/03 @ 1140 | | | | 0' - 0.9' - Fine-medium SAND, trace shells | | Wet | PID=0.0 FID=0.0 |
| 3 | | | | | | Dark Gray | 0.9' - 1.9' - Fine SAND, some medium sand | | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4x4 mule (rig 1) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID= B PID=B Flag number 499 Former Landfill area – between baseball fields |

BORING NO.: 432

Tetra Tech NUS, Inc.



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 433 |
| PROJECT NO.: | N1369 | START DATE: | 12/16/03 |
| LOGGED BY: | K. Jalkut | COMPLETION: DATE: | 12/16/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JL |
| TRANSCRIBED BY: | RAC | | |
| ELEVATION FROM: | | | |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | NA | | | | | | Grass surface | | | | |
| | | | SBP-SO-433-0002 | | Dense | Dark Red Brown | SAND, some silt, some gravel. Fine-medium sand mostly, trace coarse sand, poorly graded, fine coarse subrounded gravel ½" – 1", organic roots | SM/Fill | Grass/root plug – approximately 2" | 0.0 | 0.0 |
| 1 | | | Screening 12/16/03 @ 1150 | | Loose | Tan Gray | SAND, fine-medium sand, poorly graded, seashells | SP/Fill | Saturated sand | 0.0 | 0.0 |
| 2 | | | | | | | | | | 0.0 | 0.0 |
| 3 | | | SBP-SO-433-0204 Screening and Confirmation 12/16/03 @ 1200 | | | | | | | 0.0 | 0.0 |
| 4 | | | | | Dense | Black | SAND, some silt, organic roots/fibers, wood chunks, some spongy material | SM/Fill | Damp | 0.0 | 0.0 |
| | | | | | | | | | | 0.0 | 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I Flag Number 475 Between ballfields – near bleachers |

BORING NO.: 433

Tetra Tech NUS, Inc.



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 434 |
| PROJECT NO.: | N1369 | START DATE: | 12/16/03 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 12/16/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ S. Pryzbylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Top 0.2' – grass and roots | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.6' / 2.0' | SBP-SO-434-0002 Screening 12/16/03 @ 1425 | | Slightly Loose | Red-Brown | 0.2' - 0.7' - Fine sandy SILT, some organics (roots) | ML | Moist | PID=0.0 FID=0.0 |
| 1 | | | | | | Brown Tan | 0.7' - 0.8' - Wood fragment 0.8' - 1.4' - Medium-coarse SAND, some seashells | Fill SP/Fill | | |
| | | | | | | | | | | |
| 2 | | | | | | Dark Gray | 1.4' - 1.6' - Fine SAND, some silt, trace shells | | | |
| | | 1.7' / 2.0' | SBP-SO-434-0204 Screening 12/16/03 @ 1430 | | | | 0' - 1.0' - Fine SAND, trace silt, trace medium sand, piece of carpet (red) at 0.9' | | | PID=0.0 FID=271.1 |
| 3 | | | | | | | | | | |
| | | | | | | Gray | 1.0' - 1.3' - Fine-medium SAND | | | |
| 4 | | | | | | Dark | 1.3' - 1.4' - WOOD 1.4' - 1.7' - Silty fine SAND | Fill SM | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4x4 mule (Rig 1) | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I FID= B PID= B Flag number 523 Former Landfill area – next to parking lot by baseball fields | BORING NO.: 434 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 435 |
| PROJECT NO.: | N1369 | START DATE: | 12/16/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: LJD | COMPLETION: DATE: 12/16/03 |
| DRILLED BY (Company/Driller): | ADT/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | Between Ballfield's – near bleachers | | | |
| | | 1.5' / 2' | SBP-SO-435-0002 Screening 12/16/03 @ 1410 | | Dense | Red - Brown | SAND – some silt, fine-medium sand, poorly graded, organic roots | SM/Fill | 1' snow on top Grass/root plug = approximately 2" Damp, wet surface | FID = 25.9 PID = 0.0 |
| 1 | | | | | Loose | Tan-gray | SAND - fine-medium sand, poorly graded, seashells | SP/Fill | | FID = 46.8 PID = 0.0 |
| | | | | | | Black | Similar to above, with ash, organic material (reeds, roots, wood) | ↓ | Compressed soil | FID = 75.3 PID = 0.0 |
| 2 | | | | | Loose | White | GRAVELS – 2 pieces to 2" subrounded | GP | | FID = 298.1 PID = 0.0 |
| | | 2' / 2' | SBP-SO-435-0204 Screening 12/16/03 @ 1415 | | Dense | Dark Brown | Silty SAND – some gravel, some organic material, fine-medium sand mostly, trace coarse sand, poorly graded, fine-coarse subrounded gravel ½" - 1", organic reeds, roots, fibers | SM/Fill | Compressed soil, not spongy | |
| 3 | | | | | ↓ | ↓ | | ↓ | | FID = 1387 PID = 0.0 |
| | | | | | ↓ | ↓ | | ↓ | | FID = 28.8 PID = 0.0 |
| 4 | | | | | ↓ | ↓ | | ↓ | | FID = 0.0 PID = 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite chips (4' -1') and topsoil (1'- 0') | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – 4 X 4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | Direct - Push | | |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Not Encountered | | |
| OTHER OBSERVATIONS: | Phase I. Flag No. 504; former Landfill area | BORING NO.: 435 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | |
| PROJECT NO.: | N1369 | | |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: | LJD |
| DRILLED BY (Company/Driller): | ADT/S. Przybylski | | |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | |

| | |
|---|---|
| BORING NO.: | 436 |
| START DATE: | 12/16/03 |
| COMPLETION: DATE: | 12/16/03 |
| MON. WELL NO.: | N/A |
| CHECKED BY: | JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Outside ballfield – near parking lot and highway | | | |
| | | 1.5' / 2' | SBP-SO-436-0002 Screening 12/16/03 @ 1440 | | Dense | Red - Brown | Silty fine-medium SAND, organic roots, poorly graded | SM/Fill | Grass/root plug = Approximately 2" Wet @ surface | FID = 3.7 PID = 0.0 |
| 1 | | | | | Loose | Tan-Gray | SAND - fine-medium sand, poorly graded, seashell fragments | SP/Fill | | |
| | | | | | ↓ | ↓ | | ↓ | Compressed soil, packed tight | FID = 11.1 PID = 0.0 |
| 2 | | | | | Dense | Dark Brown | SAND – some silt, trace gravel, organics, mostly fine-medium sand, trace coarse sand, poorly graded, fine gravel subrounded to ½" | SM/Fill | | FID = 57.3 PID = 0.0 |
| | | 2' / 2' | SBP-SO-436-0204 Screening, Confirmation and confirmation duplicate DUP06 @ 1450 12/16/03 @ 1450 | | Loose | ↓ | SAND – trace silt, fine-medium sand, poorly graded, seashell fragments | SP/Fill | Saturated sand Glass shards to 1", packed material | FID = 2.3 PID = 0.0 |
| 3 | | | | | Dense | Black | FILL – glass, metal, newspaper, wood, in silty sand matrix | Fill | | FID = 993.7 PID = 0.0 |
| | | | | | ↓ | ↓ | Silty SAND – some gravel, fine-medium sand, trace coarse sand, poorly graded, fine-coarse subrounded gravel ½-1", organic material, slag, possible PACM | SM/Fill | Chemical odor, (olfactory evidence) packed soil with landfill waste | |
| 4 | | | | | ↓ | ↓ | | ↓ | | FID = 527.1 PID = 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4'bgs - Backfill with Bentonite chips (4' -1') and topsoil (1'- 0') | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – 4 X 4 Mule |
| METHOD OF ADVANCING BORING: | Direct - Push |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous to 4' in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | Not Encountered |
| OTHER OBSERVATIONS: | Phase I. Flag No. 683; former Landfill area |

Notes:
PACM = Potential asbestos-containing material

BORING NO.: 436

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 437 |
| PROJECT NO.: | N1369 | | | START DATE: | 12/16/03 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 12/16/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ S. Pryzbylski | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.8' / 2.0' | SBP-SO-437-0002 Screening 12/16/03 @ 1505 DUP 06 @ 1508 | | Slightly Loose | Red-Brown Brown | 0' - 0.3' - Silty fine SAND<br>0.3' - 0.9' - Silty fine-medium SAND, trace coarse sand | SM | Moist | PID=0.0<br>FID=0.0 |
| 1 | | | | | | | | | | |
| | | | | | | Gray | 0.9' - 1.5' - Fine-medium SAND, trace seashells | SP | Moist | |
| 2 | | | | | | Black | 1.5' - 1.8' - Silty fine-medium SAND, trace charcoal /ash | SM/Fill | | |
| | | 1.3' / 2.0' | SBP-SO-437-0204 Screening 12/16/03 @ 1510 | | Dense | Dark Gray Black | 0' - 0.3' - Silty fine-medium SAND, trace coarse sand<br>0.3' - 0.9' - Charcoal, some fine-coarse sand, trace wood fragments | Fill | Moist<br>Wet | PID=0.0<br>FID=143.2 |
| 3 | | | | | | | | | | |
| | | | | | Slightly Loose | Dark Gray | 0.9' - 1.3' - Fine-coarse SAND, trace gravel, trace silt | SW | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4x4 mule (rig 1) | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: Phase I | FID=B/PID= B - Flag number 684 - Former Landfill area –parking lot sample moved over after 1' refusal on first sample | BORING NO.: 437 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 438 |
| PROJECT NO.: | N1369 | START DATE: | 12/16/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: LJD | COMPLETION: DATE: 12/16/03 |
| DRILLED BY (Company/Driller): | ADT/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | Parking lot island – grass surface | | | |
| | | 1.4' / 2' | SBP-SO-438-0002 Screening 12/16/03 @ 1510 | | Loose | Yellow - Brown | SAND and GRAVEL – some silt, fine-medium sand, trace to some coarse sand, poorly graded, fine-coarse subrounded gravel ½ -1", organic roots | SM/Fill | Grass/root plug = approximately 2" Damp | FID = 0.0 PID = 0.0 |
| 1 | | | | | | | | | | |
| | | | | | | | Similar to above with glass to 1" (shards), green-colored material, metal mixed in | | | FID = 0.0 PID = 0.0 |
| 2 | | | | | | | | | Damp, poor recovery | FID = 0.0 PID = 0.0 |
| | | 1.4' / 2' | SBP-SO-438-0204 Screening 12/16/03 @ 1515 | | | | Similar to above (including fill) | | Damp, poor recovery | |
| 3 | | | | | | | | | | FID = 0.0 PID = 0.0 |
| | | | | | | Gray | SAND – fine-coarse sand, well graded, organic roots throughout | SW | | |
| 4 | | | | | | | | | Damp | FID = 0.0 PID = 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite chips (4' -1') and topsoil (1'- 0') | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – 4 X 4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | Direct - Push | | |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Not Encountered | | |
| OTHER OBSERVATIONS: | Phase I. Flag No. 723; former Landfill area | BORING NO.: 438 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 439 |
| PROJECT NO.: | N1369 | START DATE: | 12/16/03 |
| LOGGED BY: | J. Lambert | COMPLETION: DATE: | 12/16/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ S. Pryzbylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JD |
| TRANSCRIBED BY: | DH | | |
| ELEVATION FROM: | | | |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | | | | |
| | | 1.5' / 2.0' | SBP-SO-439-0002 Screening 12/16/03 @ 1545 | | Slightly Loose | Brown | 1.2' - Grass/roots | | Moist | PID=0.8 |
| | | | | | | | 0.2' - 0.3' - Silty fine SAND | SM | | FID=121.0 |
| 1 | | | | | | | 0.3' - 1.0' - Fine-coarse SAND | SW | | |
| | | | | | | Black | 1.0' - 1.3' - Fill- Filter (heavy) Pleated | Fill | | |
| 2 | | | | | | White | 1.3' - 1.5' - Fill- Solid material- clay or silt-like, possible solidified residue | | | |
| | | 1.3' / 2.0' | SBP-SO-439-0204 Screening Confirmation 12/16/03 @ 1550 | | | Orange | 0' - 0.5' – Fill - Soft material (non-natural), possible sludge/waste | | Wet | PID=2.8 |
| | | | | | | | | | | FID=52.0 |
| 3 | | | | | | White | 0.5' - Similar material to 1.3'-1.5' in first macro-core | | | |
| | | | | | Loose | Black | 0.5' - 1.3' - Fill- oil- impacted/stained wood, glass, wooden bobbin/ cylinder, silt, some fine sand | | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4x4 mule (rig 1) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID=B PID=B Flag number 705 Former Landfill area – parking lot next to baseball field |

Note: Moved 3 feet toward dugout after refusal at 2'

BORING NO.: 439

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | BORING NO.: 439A |
| PROJECT NO.: | N1369 | | START DATE: 1/29/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 1/29/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | No Samples collected from 0' - 4' bgs | | | | Refer to Boring Log Number 439 for soil profile details from 0-4' | | | |
| 1 | | | | | | | | | | |
| 2 | | | | | | | | | | |
| 3 | | | | | | | | | | |
| 4 | | | | | | | | | | |
| 5 | | 1.7' / 2.0' | SBP-SO-439A-0406 NO ANALYTICAL 1/29/04 @ 1435 | | Loose | Dark Gray | 0' - 1.1' – Medium-coarse SAND, some fine subrounded-rounded gravel | SP | Wet | |
| 6 | | | | | | Black | 1.1' - 1.7' - Silty fine SAND, some medium sand | SM | | |
| 7 | | 1.8' / 2.0' | SBP-SO-439A-0608 NO ANALYTICAL 1/29/04 @ 1440 | | | | 0' - 1.4' - Silty fine SAND, trace glass | | | |
| 8 | | | | EOB @ 8' bgs | | | 1.4' - 1.8' - Fine-medium SAND, trace coarse sand | SW | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | Note: Phase II Screening = Asbestos and Metals | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Approximately 1.5' bgs | | |
| OTHER OBSERVATIONS: | Phase II FID=B PID=B Old Flag number 705 Former Landfill area | BORING NO.: 439A | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 440 |
| PROJECT NO.: | N1369 | START DATE: | 12/16/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: LJD | COMPLETION: DATE: 12/16/03 |
| DRILLED BY (Company/Driller): | ADT/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | Outside ballfield area, on grass, between ballfield and parking lot | | | |
| | | 1.7' / 2' | SBP-SO-440-0002 Screening 12/16/03 @ 1550 | | Dense | Dark Brown | Silty SAND – fine-medium sand, poorly graded, organic roots | SM/Fill | Grass/root plug = approximately 3" Damp | FID = 1.6 PID = 0.0 |
| 1 | | | | | Loose | Brown | SAND - fine-medium sand, poorly graded, seashells | SP/Fill | | |
| | | | | | ↓ | ↓ | SAND – trace silt, trace gravel, fine-medium sand, trace coarse sand, fine-coarse gravel ½-1" subrounded, plastic pieces to 2" | ↓ | Damp | FID = 7.2 PID = 0.0 |
| 2 | | | | | Dense | | | | | FID = 50.8 PID = 0.0 |
| | | 2' / 2' | SBP-SO-440-0204 Screening 12/16/03 @ 1600 | | ↓ | ↓ | Silty SAND - fine-medium sand, poorly graded, trace seashells | SM/Fill | Saturated | FID = 7.4 PID = 0.0 |
| 3 | | | | | ↓ | ↓ | SAND – trace gravel, fine-medium sand, trace coarse sand, poorly graded, fine gravel to ½" (2 pieces), subrounded, organic roots/material | SP/Fill | Compressed/packed soil not spongy to touch | |
| | | | | | ↓ | ↓ | | ↓ | Damp | FID = 792.1 PID = 0.0 |
| 4 | | | | | ↓ | ↓ | SAND and GRAVEL, trace silt, fine-medium sand, trace coarse sand, fine-coarse subrounded gravel ½-1" | ↓ | | FID = 2.5 PID = 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite chips (4' -1') and topsoil (1'- 0') | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – 4 X 4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | Direct - Push | | |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Not Encountered | | |
| OTHER OBSERVATIONS: | Phase I. Flag No. 593; former Landfill area | BORING NO.: 440 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 441 |
| PROJECT NO.: | N1369 | START DATE: | 12/17/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: LJD | COMPLETION: DATE: 12/17/03 |
| DRILLED BY (Company/Driller): | ADT/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Grass surface, on island in parking lot | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.7' / 2' | SBP-SO-441-0002 Screening 12/17/03 @ 0915 | | Loose | Brown | SAND – trace silt, trace gravel, organic roots, fine-medium sand, poorly graded, fine-gravel subrounded to ½" | SP/Fill | Grass/root plug = Approximately 3" Damp | FID = 0.0 PID = 0.0 |
| 1 | | | | | | Tan-gray | SAND - trace gravel, fine-coarse sand, well graded, fine gravel to ½" subrounded | SW/Fill | | |
| | | | | | | | | | | FID = 61.4 PID = 0.0 |
| 2 | | | | | | | | | | |
| | | 1.7' / 2' | SBP-SO-441-0204 Screening 12/17/03 @ 0920 | | Dense | Yellow-Brown | Silty SAND – trace silt, fine-medium sand, poorly graded, coarse gravel to 1" subrounded | SM/Fill | Damp | |
| 3 | | | | | | | | | | FID = 22 PID = 0.0 |
| | | | | | Loose | Dark Brown | SAND and GRAVEL, fine-coarse sand, well graded, fine-coarse subrounded gravel ½-1" | SW/Fill | Damp | |
| 4 | | | | | | | | | | FID = 34 PID = 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' - Backfill with bentonite chips (4' -1') and topsoil (1'- 0') | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – 4 X 4 Mule |
| METHOD OF ADVANCING BORING: | Direct - Push |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous to 4' in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | Not Encountered |
| OTHER OBSERVATIONS: | Phase I. Flag No. 664; former Landfill area |

BORING NO.: 441

Tetra Tech NUS, Inc.



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 442 |
| PROJECT NO.: | N1369 | START DATE: | 12/17/03 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 12/17/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Top 0.2' – grass/roots | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.7' / 2.0' | SBP-S0-442-0002 Screening 12/17/03 @ 0915 | | Slightly Loose | Light Brown | 0.2' - 0.4' - Silty fine-medium SAND<br>0.4' - 1.1' - Fine-coarse SAND, trace silt | SM<br>SW | Moist | PID=0.5<br>FID=0.0 |
| 1 | | | | | | | | | | |
| | | | | | Slightly Dense | Gray-Brown | 1.1' - 1.7' - Fine – coarse SAND, trace silt, trace gravel, Note - Oxidation staining at 1.5' | | Mat (fiberous- appears to be geotech. lining) In sample- will send for asbestos just to check | |
| 2 | | | | | | | | | | |
| | | 1.7' / 2.0' | SBP-SO-442-0204 Screening and Confirmation 12/17/03 @ 0920 | | | | 0' - 0.6' - Fine-coarse SAND, some silt | | | PID=0.0<br>FID=0.0 |
| 3 | | | | | | Dark Red | 0.6' - 0.9' - Fine-medium SAND, brick (medium gravel size) | SP/Fill | | |
| | | | | | Dense | Brown | 0.9' - 1.6' - Silty fine-coarse SAND, some gravel , trace glass | SM/Fill | Wet<br>Wet | |
| 4 | | | | | ------- | Off White | 1.6' - 1.7' - Plug of newspapers stick together | Fill | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | Note: | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | PID- failed PM check | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I FID= A PID=A Flag number 350 Former Landfill area – Dorne Drive | BORING NO.: 442 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | BORING NO.: 443 |
| PROJECT NO.: | N1369 | | START DATE: 12/17/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: LJD | COMPLETION: DATE: 12/17/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Grass surface, island in parking lot | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 2' / 2' | SBP-SO-443-0002 Screening 12/17/03 @ 0940 | | Loose | Brown | SAND – trace SILT, trace GRAVEL, organic roots. Fine-medium sand, poorly graded, fine gravel to ½" subrounded | SP/Fill | Grass/root plug = approximately 3" Damp | FID = 0.0 PID = 0.0 |
| 1 | | | | | | Tan-gray | SAND. Fine-medium sand, well graded, seashells | | | |
| | | | | | Dense | Dark Brown | SAND – Trace gravel, Fine-medium sand, mostly trace coarse sand, trace coarse gravel to 1" subrounded, charcoal | | Damp | FID = 0.0 PID = 0.0 |
| | | | | | Loose | Tan-Gray | SAND - Fine-medium sand, poorly graded, seashells | | | |
| 2 | | | | | Dense | Dark Brown | SAND – Trace gravel, Fine-medium sand, trace coarse sand, trace coarse gravel to 1" subrounded, metal shards | | | FID = 0.0 PID = 0.0 |
| | | 2' / 2' | SBP-SO-443-0204 Screening 12/17/03 @ 0945 | | Loose | Tan-Gray | SAND - Fine-medium sand, poorly graded, seashells | | Saturated sand | FID = 0.0 PID = 0.0 |
| 3 | | | | | Denser | Dark Brown | SAND, some silt, fine-medium sand, trace coarse sand, poorly graded, asphalt, glass | SM/Fill | Damp | |
| | | | | | | | | | Damp | FID = 11.5 PID = 0.0 |
| 4 | | | | | | | SILTY SAND – some gravel – fine-medium sand, poorly graded, coarse gravel to 1" subrounded, asphalt, cloth, glass shards to 1" | | | FID = 3.2 PID = 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite chips (4' -1') and topsoil (1'- 0') | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – 4 X 4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | Direct - Push | | |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I. Flag No. 636; former Landfill area | BORING NO.: 443 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 444 |
| PROJECT NO.: | N1369 | START DATE: | 12/17/03 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 12/17/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | 0' - 0.2' – Grass, topsoil | | | |
| | | 1.6' / 2.0' | SBP-SO-444-0002 Screening 12/17/03 @ 0940 | | Slightly Loose | Brown Red-Brown | 0.2' - 0.4' - Fine-medium sandy SILT<br>0.4' - 0.5' - Medium-coarse SAND, trace coarse sand | ML SW | Moist Geotech. liner in sample | PID=0.0 FID=0.0 |
| 1 | | | | | | Brown | 0.5' - 0.6' - Fine-medium SAND, trace Silt | SP | | |
| | | | | | Slightly Dense | Black Brown | 0.6' - 0.8' - Charcoal, some fine-coarse sand<br>0.8' - 1.2' - Silty fine-coarse SAND and Gravel | Fill SM | Moist | |
| 2 | | | | | Dense | Light Dark Brown | 1.2' - 1.4' - Fine-coarse SAND<br>1.4' - 1.6' - Fine-coarse SAND and SILT | SW SM | Wet | |
| | | 0.7' / 2.0' | SBP-SO-444-0204 Screening 12/17/03 @ 0204 | | | Dark Gray | 0' - 0.6' - Fine SAND, trace medium-coarse sand, trace gravel | SW/Fill | Wet | PID=0.1 FID=69.1 |
| 3 | | | | | | | | | | |
| | | | | | | | 0.6' - 0.7' - Similar to above, metal pieces also | | Moist | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | | | |
|---|---|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) | | | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | | Note: | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | | PID failed PM check | |
| METHOD OF ROCK CORING: | N/A | | | | |
| GROUNDWATER LEVELS: | | | | | |
| OTHER OBSERVATIONS: | Phase I FID= A PID= A | Flag number 351 | Former Landfill area – Dome Drive | BORING NO.: 444 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 445 |
| PROJECT NO.: | N1369 | | | START DATE: | 12/17/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: | LJD | COMPLETION: DATE: | 12/17/03 |
| DRILLED BY (Company/Driller): | ADT/S. Przybylski | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | Asphalt surface = Approximately 2" thick | | | |
| | | 1.4' / 2' | SBP-SO-445-0002 Screening 12/17/03 @ 1000 | | Loose | Brown Black | SAND and GRAVEL (roadbase = ~2"), fine-coarse sand, fine-coarse gravel ½-1" subrounded | SW/Fill | Used dedicated drill steel through asphalt | FID = 0.0 PID = 0.0 |
| 1 | | | | | Dense | White Dark Brown | GRAVEL – broken rock SAND – some silt, trace gravel, fine-medium sand, trace coarse sand, coarse gravel to 1" subrounded | GP SM/Fill | | FID = 0.0 PID = 0.0 |
| | | | | | ↓ | ↓ | | ↓ | Damp | |
| 2 | | | | | ↓ | ↓ | Silty SAND – some organics, fine-medium sand, trace coarse sand, fine-coarse gravel ½-1" subrounded, metal shards | ↓ | | FID = 0.0 PID = 0.0 |
| | | 1.8' / 2' | SBP-SO-445-0204 Screening 12/17/03 @ 1000 | | Loose | Dark Brown | SAND and GRAVEL, trace silt, fine-coarse sand, well graded, fine-coarse subrounded gravel to ½-1", glass shards to 1", plastic, rubber sole material, metal | SW-GW/ Fill | Damp | FID = 0.0 PID = 0.0 |
| 3 | | | | | ↓ | ↓ | | ↓ | | |
| | | | | | ↓ | | SAND – trace silt, fine-medium sand, poorly graded | SP/Fill | Compacted soil | FID = 10.2 PID = 0.0 |
| 4 | | | | | Dense | ↓ | SAND – some gravel, trace silt, fine-medium sand, poorly graded, coarse gravel to 1.5" subrounded | ↓ | | FID = 10.5 PID = 0.0 |
| | | | | EOB @ 4' bgs | | | | | | |
| | | | | | | | EOB @ 4' bgs - Backfill with Bentonite chips (4' -1') and topsoil (1'- 0') | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – 4 X 4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | Direct - Push | | |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Not Encountered | | |
| OTHER OBSERVATIONS: | Phase I. Flag No. 637; former Landfill area | BORING NO.: 445 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 446 |
| PROJECT NO.: | N1369 | START DATE: | 12/17/03 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 12/17/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0' - 0.2' – Grass/roots | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.3' / 2.0' | SBP-SO-446-0002 Screening 12/17/03 @ 1000 | | Slightly Loose | Brown | 0.2' - 0.3' - Fine sandy SILT, some organics (roots) | ML | Wet | PID=0.1 FID=0.0 |
| 1 | | | | | Slightly Dense | Dark Red Brown | 0.3' - 0.4' - Medium-coarse SAND, trace fine sand<br>0.4' - 0.6' - Silty fine-medium SAND | SW SM | Moist | |
| | | | | | Slightly Loose | ↓ | 0.6' - 1.1' - Silty fine-coarse SAND and GRAVEL | ↓ | | |
| 2 | | | | | Slightly Dense | Dark Brown | 1.1' - 1.3' - Silty fine-medium SAND, some coarse sand | ↓ | | |
| | | 1.8' / 2.0' | SBP-SO-446-0204 Screening 12/17/03 @ 1005 | | ↓ | ↓ | 0' - 0.6' - Fine-medium SAND, some silt, trace coarse sand also glass/charcoal fragments | SM/Fill | | PID=0.0 FID=0.0 |
| 3 | | | | | ↓ | Gray Dark Gray | 0.6' - 0.7' - Coarse GRAVEL, fractured<br>0.7' - 1.1' - Silty fine-medium SAND, trace coarse sand | GP SM | | |
| | | | | | Slightly Loose | Tan Gray | 1.1' - 1.3' - Fine-medium SAND<br>1.3' - 1.8' - Fine SAND | SP | | |
| 4 | | | | | ↓ | | | ↓ | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID=A PID=A Flag number 365 Former Landfill area – Dorne Drive BORING NO.: 446 |

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 447 |
| PROJECT NO.: | N1369 | START DATE: | 12/17/03 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 12/17/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.3' / 2.0' | SBP-SO-447-0002 Screening 12/17/03 @ 1050 | | Slightly Loose | Brown Red-Brown | 0' - 0.3' - Silty fine-medium SAND, some organics (roots) 0.3' - 0.5' - Fine-coarse SAND, trace gravel | SM SW | Wet | PID=0.0 FID=0.0 |
| 1 | | | | | | Black | 0.5' - 0.6' - Charcoal, some fine-medium sand | Fill | | |
| | | | | | Slightly Dense | Red-Brown Tan | 0.6' - 0.7' - Fine-coarse SAND, trace gravel 0.7' - 1.3' - Fine-medium SAND, trace silt, gravel (Loose) at 1.1' | SW SP | | |
| 2 | | | | | | | | | | |
| | | 1.2' / 2.0' | SBP-SO-447-0204 Screening and Confirmation 12/17/04 @ 1055 | | Dense | Tan Dark gray | 0' - 0.3' - Similar to above 0.3' - 0.6' - Fine-coarse SAND, some silt, some glass, also has a thin (<1mm) white layer – consisting of glue—non-natural | SW/Fill | Moist | |
| 3 | | | | | | | | | | PID=0.4 |
| | | | | | Loose | Tan | 0.6' - 0.9' - Micaceous fragments (fine sand-gravel size) | | Moist | FID=206.7 |
| 4 | | | | | Dense | | 0.9' - 1.2' - Fine sandy SILT | ML | Wet | |
| | | | | EOB @ 4'bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | Note: | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | PID failed pm check | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I FID=A PID= A Flag number 414 Former Landfill area – Dome Drive | BORING NO.: 447 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 448 |
| PROJECT NO.: | N1369 | START DATE: | 12/17/03 |
| LOGGED BY: | J. Lambert | COMPLETION: DATE: | 12/17/03 |
| DRILLED BY (Company/Driller): | AQUIFER DRILLING & TESTING/ Rob | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JD |

TRANSCRIBED BY: DH

ELEVATION FROM:

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | 0' - 0.3' - Grass/roots | | | |
| | | 1.2' / 2.0' | SBP-SO-448-0002 Screening 12/17/03 @ 1025 | | Slightly Loose | Dark Red | 0.3' - 0.4' - Fine-medium SAND, some coarse sand | SW | Wet | PID=0.0 FID=0.0 |
| 1 | | | | | | Black Tan | 0.4' - 0.7' - Charcoal, some fine-coarse sand<br>0.7' - 0.9' - Fine-coarse SAND, some gravel, trace silt | Fill SW | | |
| | | | | | | | | | Geotech. lining | |
| 2 | | | | | Slightly Dense | Dark Brown | 0.9' - 1.2' - Fine-coarse SAND and GRAVEL | | | |
| | | 1.4' / 2.0' | SBP-SO-448-0204 Screening 12/17/03 @ 1030 | | Dense | | 0' - 1.0' - Fine-coarse SAND, some gravel | | | PID=0.0 |
| 3 | | | | | Slightly Dense | Dark Gray | 1.0' - 1.4' - Fine-coarse SAND, some silt, trace medium-coarse sand | | | FID=0.0 |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID= A PID= A Flag number 394 Former Landfill area – Dome Drive |

PID failed pm check

BORING NO.: 448

Tetra Tech NUS, Inc.

PAGE: 1 OF 1

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 449 |
| PROJECT NO.: | N1369 | | | START DATE: | 12/17/03 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 12/17/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JD |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | 0' - 0.2' - Grass/roots | | | |
| | | 1.4' / 2.0' | SBP-SO-449-0002 Screening 12/17/03 @1115 | | Slightly Loose | Brown | 0.2' - 0.4' - Fine sand/ SILT, some organics (roots) | ML | Wet | PID=0.0 |
| | | | | | | Dark Red | 0.4' - 0.5' - Fine-medium SAND, some gravel | SP | | FID=21.9 |
| 1 | | | | | | Black | 0.5' - 0.6' - Charcoal, trace medium-coarse sand | Fill | | |
| | | | | | Slightly Dense | Dark Red | 0.6' - 0.8' - Fine-coarse SAND, some gravel | SW | | |
| | | | | | | Tan | 0.8' – 0.9' - Fine-medium SAND | SP | | |
| 2 | | | | | Slightly Loose | Dark Gray | 0.9' - 1.1' - Fine-medium SAND, trace coarse sand | SW | | |
| | | | | | Slightly Dense | Gray | 1.1' - 1.4' - Medium-coarse SAND, trace fine sand | | | |
| | | 2.0' | SBP-SO-449-0204 Screening 12/17/03 @ 1120 | | | | Silty fine-coarse SAND, some gravel. Also contains charcoal and glass and metal fragments | SM/Fill | Slight odor | PID=0.0 FID=0.9 |
| 3 | | | | | | | | | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID= A /PID=A PID failed pm check Flag number 466 Former Landfill area – Dorne Drive BORING NO.: 449 |

Tetra Tech NUS, Inc.

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 450 |
| PROJECT NO.: | N1369 | START DATE: | 12/17/03 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 12/17/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | 0' - 0.2' - Grass/roots | | | |
| | | 1.1' / 2.0' | SBP-SO-450-0002 Screening 12/17/03 @ 1200 | | Slightly Loose | Brown Dark Red | 0.2' – 0.3' - Fine sandy SILT | ML | Wet | PID=0.0 |
| | | | | | | | 0.3' - 0.4' - Fine-coarse SAND | SW | | FID=0.0 |
| 1 | | | | | | Black | 0.4' - 0.6' - Charcoal, some fine-coarse SAND | Fill | | |
| | | | | | Slightly Dense | Tan Dark Red | 0.6' - 0.7' - Fine-coarse SAND, trace silt | SW | | |
| | | | | | | | 0.7' - 0.8' - Fine-coarse SAND | | | |
| 2 | | | | | Slightly Loose | Brown Black | 0.8' - 1.0' - Fine-medium SAND, trace silt | SP/Fill | | |
| | | | | | | | 1.0' - 1.1' - Wood pieces (stained) | | | |
| | | 0.8' / 2.0' | SBP-SO-450-0204 Screening 12/17/03 @ 1205 | | | Brown | Fine-coarse SAND, trace silt, trace gravel, also metal pieces | SW/Fill | | PID=0.0 |
| | | | | | | | | | | FID=0.0 |
| 3 | | | | | | | | | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |
| | | | | | | | NOTE: Boring went to 4' – poor recovery most likely due to saturation of soils/borehole from severe rainstorm | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID= A/PID= A PID failed pm check Flag number 509 Former Landfill area – Dome Drive |

BORING NO.: 450

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 451 |
| PROJECT NO.: | N1369 | | | START DATE: | 12/17/03 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | RAC | COMPLETION: DATE: | 12/17/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/R. Ullmann | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JD |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0' – 0.2' – Grass/roots | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.4' / 2' | SBP-SO-451-0002 Screening 12/17/03 @ 1410 | | Slightly Loose | Brown | 0.2' – 0.4' – Fine sandy SILT, some organics, trace gravel | ML | Wet | 0.0 | 0.0 |
| 1 | | | | | ↓ | Red Brown | 0.4' – 0.7' – Fine-coarse SAND, trace silt | SW | Moist | | |
| | | | | | | Gray | 0.7' – 1.1' - Fine-coarse SAND, trace gravel, trace silt, metal pieces | SW/Fill | Geosynthetic liner | | |
| | | | | | Slightly Dense | ↓ | 1.1' – 1.3' – Fine SAND | SP | Moist | | |
| 2 | | | | | ↓ | ↓ | 1.3' – 1.4' – Fine-coarse SAND, trace gravel | SW | ↓ | | |
| | | 0.9' / 2' | SBP-SO-451-0204 Screening 12/17/03 @ 1415 | | ↓ | Mottled Brown/ Black | 0' – 0.7' – Fine sandy SILT, some glass, wood fragments | ML/Fill | | 0.0 | 0.0 |
| 3 | | | | | Slightly Loose | Gray | 0.7' – 0.9' – Silty fine SAND | SM | | | |
| | | | | | ↓ | | | | ↓ | | |
| 4 | | | | | ↓ | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – track mounted (rig 2) | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | Note: | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | PID failed pm check | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 557 Former landfill area – Dorne Drive PID/FID = A | BORING NO.: 451 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 451A |
| PROJECT NO.: | N1369 | START DATE: | 1/28/04 |
| LOGGED BY: | J. Lambert | COMPLETION: DATE: | 1/28/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/R. Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JD |

TRANSCRIBED BY: RAC

ELEVATION FROM:

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | SBP-SO-451A-0002 Full Suite 1/28/04 @ 1450 | | | | Refer to Boring Log Number 451 for soil profile details from 0' – 4' bgs | | 3 sleeves Geotech. membrane | |
| 1 | | | | | | | | | | |
| | | | DUP - Full Suite, less dioxin and SPLP 1/28/04 @ 1455 | | | | | | | |
| 2 | | | | | | | | | | |
| | | | SBP-SO-451A-0204 Full Suite 1/28/04 @ 1515 | | | | | | 3 sleeves Sweet, possible solvent odor | |
| 3 | | | | | | | | | | |
| | | | DUP – Metals only 1/28/04 @ 1520 | | | | | | | |
| 4 | | | | | | | | | | |
| | | 1.2' / 2' | SBP-SO-451A-0406 Full Suite, less dioxin and SPLP 1/28/04 @ 1545 | | Slightly Loose | Dark Brown | 0' – 0.5' – Fine-medium SAND, trace silt, some plastic, some organic (leaf litter) | SP/Fill | Moist | PID = 0.0 |
| 5 | | | | | | Green Brown | 0.5' – 0.9' – Fine-medium SAND, trace coarse sand, trace asphalt pieces | SW/Fill | | FID = 0.0 |
| | | | | | Slightly Dense | Gray | 0.9' – 1.0' – Fine SAND and GRAVEL | SP/Fill | | |
| 6 | | | | | Slightly Loose | Black | 1.0' – 1.2' – Fine SAND, trace silt, trace glass, some charcoal fragments | | Wet | |
| | | 0.6' / 2' | SBP-SO-451A-0608 Full Suite, less dioxin and SPLP 1/28/04 @ 1610 | | | Dark Brown | Silty fine-medium SAND, trace plastic, metal, wood fragments | SM/Fill | | PID = 0.0 |
| 7 | | | | | | | | | | FID = 6.0 |
| | | | | | | | | | | |
| 8 | | | | EOB @ 8' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – track mounted (rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | Approximately 7' bgs |
| OTHER OBSERVATIONS: | Phase II Old Flag Number 557 Former landfill area – Dome Road PID/FID = E |

Note:
Full Suite = SVOCs, Pesticides/PCBs, metals, dioxin, SPLP metals and PCBs, asbestos, and VOCs

BORING NO.: 451A

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | |
| PROJECT NO.: | N1369 | | |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: | LJD |
| DRILLED BY (Company/Driller): | ADT/S. Przybylski | | |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | |

| | |
|---|---|
| BORING NO.: | 452 |
| START DATE: | 12/17/03 |
| COMPLETION: DATE: | 12/17/03 |
| MON. WELL NO.: | N/A |
| CHECKED BY: | JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Grass surface = island in parking area | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.7' / 2' | SBP-SO-452-0002 Screening 12/17/03 @ 1350 | | Loose | Brown | SAND – trace silt, trace gravel, fine-coarse sand, well graded, 1 piece of fine gravel to ½" subrounded, organic roots | SP/Fill | Grass/root plug = approximately 2" Wet surface Damp – compressed soil | FID = 0.0 PID = 0.0 |
| 1 | | | | | Dense | | SAND – trace silt, trace gravel, fine-medium sand, poorly graded, seashells, subrounded fine gravel to ½" | | | |
| | | | | | Loose | | | | Damp | FID = 5.2 PID = 0.0 |
| 2 | | | | | | Gray - Black | SAND – trace silt, fine-medium sand, poorly graded | | | |
| | | 1.7' / 2' | SBP-SO-452-0204 Screening 12/17/03 @ 1355 | | | Brown | SAND – some silt, trace gravel, fine-coarse sand, well graded, fine-coarse gravel to ½" subrounded, seashells | SW/Fill | Saturated sand | FID = 35.3 PID = 0.0 |
| 3 | | | | | | Gray | SAND – trace gravel (fine-medium sand, poorly graded, fine gravel, subrounded) | SP/Fill | | |
| | | | | | Dense | Black | SAND – some gravel, some silt, organics, fine-medium sand mostly, trace coarse sand, fine-coarse subrounded gravel ½-1", organics | SM/Fill | Packed soil | FID = 455.7 PID = 0.0 |
| 4 | | | | | | | | | | FID = 0.0 PID = 0.0 |
| | | | | EOB @ 4' bgs | | | | | | |
| | | | | | | | EOB @ 4' bgs - Backfill with Bentonite chips (4' -1') and topsoil (1'- 0') | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – 4 X 4 Mule | Note: FID = B PID = B Heavy rain and wind | *Tetra Tech NUS, Inc.* |
| METHOD OF ADVANCING BORING: | Direct - Push | | |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Not Encountered | | |
| OTHER OBSERVATIONS: | Phase I. Flag No. 663; former Landfill area | BORING NO.: 452 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 453 |
| PROJECT NO.: | N1369 | START DATE: | 12/17/03 |
| LOGGED BY: | J. Lambert | COMPLETION: DATE: | 12/17/03 |
| DRILLED BY (Company/Driller): | AQUIFER DRILLING & TESTING/ Rob | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JD |

TRANSCRIBED BY: DH

ELEVATION FROM:

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | 0-0.1' Grass/roots | | | |
| | | 0.9' / 2.0' | SBP-SO-453-0002 Screening 12/17/03 @ 1445 | | Slightly Loose | Brown | 0.1' - 0.2' - Fine- medium SAND and SILT | SM | Wet | PID=0.1 |
| | | | | | | Dark Red | 0.2' - 0.4' - Fine-medium SAND, trace fine gravel | SP | | FID=0.0 |
| 1 | | | | | | Black | 0.4' - 0.5' - Fine gravel, charcoal and fine-coarse sand- possible burn layer | Fill | Moist | |
| | | | | | Slightly Dense | Dark Red | 0.5' - 0.7' - Fine- medium SAND, trace gravel | SP | | |
| | | | | | | Black | 0.7' - 0.8' - Fine-coarse SAND, may be pulverized charcoal | SW/Fill | | |
| 2 | | | | | | Tan | 0.8' - 0.9' - Fine-medium SAND, trace gravel | SP | | |
| | | 1.4' / 2.0' | SBP-SO-453-0204 Screening 12/17/03 @ 1450 | | | Tan | 0' - 0.3' - Fine-medium SAND, trace gravel | | | PID=0.0 FID=0.8 |
| 3 | | | | | | Dark Brown | 0.3' - 0.6' - Fine-medium SAND, trace silt | | | |
| | | | | | | Tan | 0.6' - 0.8' - Fine-medium SAND, trace gravel | | | |
| 4 | | | | | Slightly Loose | Gray | 0.8' - 1.4' - Fine-medium SAND | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID= A PID= A Flag number 600 Former Landfill area – Dorne Drive |

PID failed pm check

BORING NO.: 453

Tetra Tech NUS, Inc.



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 454 |
| PROJECT NO.: | N1369 | START DATE: | 12/17/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: LJD | COMPLETION: DATE: 12/17/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | Grass surface – island in parking lot | | | |
| | | 1.7' / 2' | SBP-SO-454-0002 Screening 12/17/03 @ 1425 | | Loose | Brown | SAND – trace gravel, fine-coarse sand, well graded, trace fine subrounded gravel to ½" | SW/Fill | Grass/root plug = ~2" Saturated-wet surface | FID = 0.0 PID = 0.0 |
| 1 | | | | | | | | | | |
| 2 | | | | | | | 3" silty SAND interval (fine-medium sand, poorly graded) | SM/Fill | Wet soil | |
| | | 1.7' / 2' | SBP-SO-454-0204 Screening 12/17/03 @ 1430 | | | | SAND - fine-coarse sand, well graded, seashells | SW/Fill | | |
| 3 | | | | | Dense | | SAND – some silt, seashells, fine-medium sand | SM/Fill | Compressed soil | |
| | | | | | | | - similar to above with glass and newspaper | | | |
| 4 | | | | | Loose | Gray-black | SAND – some silt, some gravel, fine-medium sand, some coarse sand, subrounded fine-coarse gravel ½"-1" | | | FID = 6.8 PID = 0.0 |
| | | | | EOB @ 4' bgs | | | Backfill with Bentonite chips and topsoil | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | Geoprobe 4 X 4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | Direct-Push | | |
| METHOD OF SOIL SAMPLING: | Macro-core open tube. Continuous to 4' in 2' increments | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag # 638 | BORING NO.: 454 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 455 |
| PROJECT NO.: | N1369 | START DATE: | 12/17/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: LJD | COMPLETION: DATE: 12/17/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Grass surface – island in parking lot | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.7' / 2' | SBP-SO-455-0002 Screening 12/17/03 @ 1450 | | Loose | Brown | SAND – trace gravel, fine-coarse sand, well graded, fine gravel to ½", 1 piece subrounded coarse gravel to 2", organic roots in top 6" | SW/Fill | Grass/root plug = Approximately 2" | FID = 0.0 PID = 0.0 |
| 1 | | | | | | | | | Damp | |
| 2 | | | | | | | | | | |
| | | 1.8' / 2' | SBP-SO-455-0204 Screening 12/17/03 @ 1455 | | | | - similar to above SILT layer (2") | | | |
| 3 | | | | | Dense | | SAND – some silt, trace gravel (fine, subrounded ½") Fine-medium mostly, trace coarse sand, glass shards to ½" | SM/Fill | Compressed soil | |
| | | | | | Loose | Tan-gray | SAND – fine-medium, poorly graded | SP/Fill | Damp | |
| 4 | | | | | Dense | Dark Brown | SILT – some sand, some gravel, mostly silt, fine-medium sand, fine gravel to ½" subrounded, plastic, glass, organics | SM/Fill | Damp | FID = 4.6 PID = 0.0 |
| | | | | EOB @ 4' bgs | | | Backfill with Bentonite chips from 4'-1' and topsoil from 1' – 0' | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | Geoprobe 4 X 4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | Direct-Push | | |
| METHOD OF SOIL SAMPLING: | Macro-core open tube. Continuous to 4' in 2' increments | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag # 706 | BORING NO.: 455 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | BORING NO.: 456 |
| PROJECT NO.: | N1369 | | START DATE: 12/17/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: LJD | COMPLETION: DATE: 12/17/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | Grass surface – island in parking lot | | | |
| | | 1.6' / 2' | SBP-SO-456-0002 Screening 12/17/03 @ 1510 | | Loose | Brown | SAND – some silt, some gravel, roots, fine-medium sand, fine-coarse 0.5" – 1.5" subrounded gravel | SM/Fill | Grass/root plug = ~2.5" Wet at surface | FID = 0.0 PID = 0.0 |
| 1 | | | | | | | | | | |
| 2 | | | | | Denser | | SILTY SAND (fine-medium sand at bottom) | | Damp | |
| | | 1.7' / 2' | SBP-SO-456-0204 Screening Screen dup @ 1520 Dup 08 12/17/03 @ 1515 | | Soft | | - similar to above | | Saturated | |
| 3 | | | | | Dense | Black | SILTY SAND – fine-medium poorly graded, spongy Broken rock layer – 3 in. | GP | Damp | |
| | | | | | | | SAND/GRAVEL fine-coarse, some silt, ½ - 2" subrounded gravel | SW/Fill | | |
| 4 | | | | | | | 1 large rock @ end = 2" | | | FID = 0.0 PID = 0.0 |
| | | | | EOB @ 4' bgs | | | Backfill with Bentonite chips from 4'-1' and topsoil from 1' – 0' | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | Geoprobe 4 X 4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | Direct-Push | | |
| METHOD OF SOIL SAMPLING: | Macro-core open tube. Continuous to 4' in 2' increments | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag # 687 | BORING NO.: 456 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 457 |
| PROJECT NO.: | N1369 | START DATE: | 12/17/03 |
| LOGGED BY: | J. Lambert | COMPLETION: DATE: | 12/17/03 |
| DRILLED BY (Company/Driller): | AQUIFER DRILLING & TESTING/ Rob | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JD |

TRANSCRIBED BY: DH

ELEVATION FROM:

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0-0.2' Grass/roots | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.3' / 2.0' | SBP-SO-457-0002 Confirmation 12/17/03 @ 1510 | | Slightly Loose | Dark Red | 0.2' - 0.6' - Fine-medium SAND, trace gravel | SP | Moist | PID=0.0 FID=0.0 |
| 1 | | | | | | | 0.6' - 0.8' - Fine SAND, trace medium sand, trace gravel | | Geotech liner | |
| | | | | | | Tan | 0.8' - 1.1' - Fine SAND, trace medium sand | | | |
| 2 | | | | | | | 1.1' - 1.3' - Fine- medium SAND, some gravel (angular) | | | |
| | | 1.2' / 2.0' | SBP-SO-457-0204 Screening 12/17/03 @ 1515 | | | Dark Brown /Red | 0' - 0.2' - Fine-medium SAND<br>0.2' - 0.3' - Brick | Fill | | PID=0.0 FID=116.3 |
| 3 | | | | | | Red/Brown | 0.3 - 0.7' - Mottled silty fine-medium SAND, some brick fragments | SM/Fill | | |
| | | | | | | Black | 0.7' - 0.8' - Charcoal, some fine-coarse sand | Fill | | |
| 4 | | | | | Loose | Brown<br>Off White | 0.8' - 1.0' - Fine-medium SAND, some silt<br>1.0' - 1.2' - Fine-coarse SAND, and GRAVEL | SP<br>SW | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID= A PID= A Flag number 649 Former Landfill area – Dome Drive |

PID failed pm check

BORING NO.: 457

Tetra Tech NUS, Inc.



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 458 |
| PROJECT NO.: | N1369 | START DATE: | 12/17/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: LJD | COMPLETION: DATE: 12/17/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Asphalt surface = 2" | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.4' / 2' | SBP-SO-458-0002 Screening 12/17/03 @ 1530 | | Loose | Brown | SAND and GRAVEL – well graded, fine-coarse sand | SW/Fill | Used led drill Steel | FID = 0.0 PID = 0.0 |
| 1 | | | | | | | | | | |
| | | | | | | Gray-brown | SAND – some gravel, fine-medium sand mostly, trace coarse sand, poorly graded fine gravel ½" subrounded | SP/Fill | | |
| 2 | | | | | Dense | | SAND – fine-medium sand, poorly graded, roots | | Compressed soil | |
| | | 1.4' / 2' | SBP-SO-458-0204 Screening 12/17/03 @ 1535 | | Loose | Brown | Silty fine-coarse SAND, well graded, fine-coarse gravel ½" -1" subrounded | SM/Fill | | |
| 3 | | | | | | | | | | FID = 102 PID = 0.0 |
| | | | | | | | Similar to above, with glass, plastic, burned wood, newspaper, metal | Fill | | |
| 4 | | | | | | | | | | FID = 67 PID = 0.0 |
| | | | | EOB @ 4' bgs | | | Backfill with Bentonite chips from 4'-0.4' and cold patch from 0.4-0' | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | Geoprobe 4 X 4 Mule |
| METHOD OF ADVANCING BORING: | Direct-Push |
| METHOD OF SOIL SAMPLING: | Macro-core open tube. Continuous to 4' in 2' increments |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I Flag # 638 |

BORING NO.: 458

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 459 |
| PROJECT NO.: | N1369 | START DATE: | 12/17/03 |
| LOGGED BY: | J. Lambert | COMPLETION: DATE: | 12/17/03 |
| DRILLED BY (Company/Driller): | AQUIFER DRILLING & TESTING/ Rob | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JD |

TRANSCRIBED BY: DH

ELEVATION FROM:

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.3' / 2.0' | SBP-SO-459-0002 Screening 12/17/03 @ 1530 | | Slightly Loose | Dark Red | 0' - 0.1' - Grass/roots<br>0.1' - 0.4' - Fine-coarse SAND, some organics (roots), trace gravel | SW | Wet | PID=0.0<br>FID=0.0 |
| 1 | | | | | ↓ | Black<br>Orange/red | 0.4' - 0.5' - Charcoal, some fine-coarse SAND<br>0.5' - 0.6' - Fine-medium SAND, some gravel | Fill<br>SP | Moist<br>Geotech lining | |
| | | | | | Slightly Dense | Tan<br>Black | 0.6' - 0.7' - Fine-medium SAND<br>0.7' - 1.0' - Charcoal and fine-coarse SAND, possible burn layer | Fill | Wet | |
| 2 | | | | | ↓ | Tan | 1.0' - 1.3' - Fine-medium SAND, trace gravel | SP | | |
| | | 1.0' / 2.0' | SBP-SO-459-0204 Screening 12/17/03 @ 1535 | | ↓ | Gray | 0' - 0.9' - Silty, fine-coarse SAND and GRAVEL, also glass fragments | SM/Fill | | PID=0.2<br>FID=136.8 |
| 3 | | | | | ↓ | | | ↓ | | |
| | | | | | Loose | Off-White | 0.9' - 1.1' - Newspaper pieces (in poor condition) | Fill | | |
| 4 | | | | | ↓ | ↓ | ↓ | ↓ | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | Note: | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | |
| METHOD OF ROCK CORING: | N/A | PID failed pm check | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I FID= A PID= A Flag number 694 Former Landfill area – Dorne Drive | BORING NO.: 459 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | BORING NO.: 460 |
| PROJECT NO.: | N1369-0320 | | START DATE: 12/17/03 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 12/17/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0' - 0.2' - Grass/roots | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.6' / 2.0' | SBP-SO-460-0002 Screening 12/17/03 @ 1600 | | Slightly Loose | Brown | 0.2' - 0.4' - Silty fine-medium SAND, some organics (roots) trace gravel | SM | Wet | RID=0.0 FID=0.0 |
| 1 | | | | | ↓ | Black | 0.4' - 0.6' - Charcoal, some fine-coarse sand, some glass, possible burn zone | Fill | Geotech liner | |
| | | | | | Slightly Dense | Dark Red Tan | 0.6' - 0.8' - Fine-medium SAND, some gravel<br>0.8' - 1.4' - Silty fine-medium SAND, some gravel | SP SM | Wet | |
| 2 | | | | | | Brown | 1.4' - 1.6' - Fine-medium SAND, trace gravel | SP | | |
| | | 1.1' / 2.0' | SBP-SO-460-0204 Screening 12/17/03 @ 1605 | | | ↓ | 0' - 0.3' - Fine-coarse SAND and GRAVEL | SW | Moist | PID=0.0 FID=6.0 |
| 3 | | | | | ↓ | Gray | 0.3' - 0.8' - Fine-medium SAND, trace coarse sand, trace gravel | ↓ | ↓ | |
| | | | | | Slightly Loose | Black | 0.8' - 1.1' - Charcoal, some fine-coarse sand | Fill | | |
| 4 | | | | | ↓ | ↓ | | ↓ | ↓ | |
| | | | | EOB @ 4' bgs | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I FID= A/PID= A PID failed pm check Flag number 731 Former Landfill area – Dome Drive | BORING NO.: 460 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 461 |
| PROJECT NO.: | N1369 | | | START DATE: | 12/17/03 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 12/17/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JD |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | 0' - 0.1' - Grass/roots | | | |
| | | 1.5' / 2.0' | SBP-SO-461-0002 Screening 12/17/03 @ 1620 | | Slightly Loose | Brown | 0.1' - 0.6' - Fine-coarse SAND, trace silt | SW | Wet | PID=0.0 |
| | | | | | | | 0.6' - 0.7' - Coarse GRAVEL | GP | Moist | FID=0.0 |
| 1 | | | | | Slightly Dense | | 0.7' - 0.9' - Fine-coarse SAND | SW | | |
| | | | | | Slightly Loose | White | 0.9' - 1.0' - Fine-coarse SAND | | | |
| | | | | | | Gray | 1.0' - 1.3' - Fine-coarse SAND, some gravel (composed of micaceous pieces) | | | |
| 2 | | | | | | Brown | 1.3' - 1.5' - Fine-coarse SAND, trace silt | | | |
| | | 1.2' / 2.0' | SBP-SO-461-0204 Screening 12/17/03 @ 1625 | | | | 0' - 0.2' - Similar to above | | | PID=0.0 FID=0.0 |
| 3 | | | | | | Dark Gray | 0.2' - 1.2' - Medium-coarse SAND, trace fine sand | | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4 bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID= A /PID= A PID failed pm check Flag number 751 Former Landfill area – Dome Drive BORING NO.: 461 |

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 462 |
| PROJECT NO.: | N1369 | START DATE: | 12/18/03 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 12/18/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | 0' - 0.2' - Grass/roots | | | |
| | | 2.0' / 2.0' | SBP-SO-462-0002 Screening 12/18/03 @ 0855 | | Slightly Loose | Brown | 0.2' - 0.5' - Fine-medium SAND, and SILT | SM | Wet | PID=0.0 |
| | | | | | | | 0.5' - 1.0' - Fine-coarse SAND, some gravel, glass, wood fragments | SW/Fill | Moist | FID=0.0 |
| 1 | | | | | | Gray | 1.0' - 2.0' - Fine-medium SAND, trace gravel (rounded) | SP | | |
| 2 | | | | | | | | | | |
| | | 1.1' / 2.0' | SBP-SO-462-0204 Screening 12/18/03 @ 0900 | | | | 0' - 0.7'- Fine-medium SAND, trace gravel | | | PID=0.0 FID=0.0 |
| 3 | | | | | Slightly Dense | | 0.7' - 1.1' - Similar to above, more dense | | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | Note: Refusal (hard) at 3.8' | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID=C PID=C Flag number 639 Former Landfill area |

BORING NO.: 462

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 463 |
| PROJECT NO.: | N1369 | START DATE: | 12/18/03 |
| LOGGED BY: | K. Jalkut | COMPLETION: DATE: | 12/18/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JL |
| TRANSCRIBED BY: | LJD | | |
| ELEVATION FROM: | | | |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | Grass surface = island in parking lot | | | |
| | | 1.6' / 2' | SBP-SO-463-0002 Screening 12/18/03 @ 0935 | | Loose | Dark Brown | SAND – trace silt, trace gravel, organic roots, fine-medium sand mostly, 2 pieces coarse gravel to 1.5" subrounded | SP/Fill | Grass/root plug = approximately 3 Dry | FID = 0.0 PID = 0.0 |
| 1 | | | | | Dense | Yellow-Brown | Silty SAND, fine-medium sand mostly, poorly graded | SM/Fill | Damp | |
| 2 | | | | | ↓ | ↓ | ↓ | ↓ | Partial recovery | |
| 3 | | 1.2' / 2' | SBP-SO-463-0204 Screening 12/18/03 @ 0940 | | Loose | Brown | SAND – trace silt – trace gravel, fine-medium sand mostly, trace coarse gravel ¾ -1" subrounded | SP/Fill | Saturated | FID = 0.0 PID = 0.0 |
| 4 | | | | | ↓ | ↓ | ↓ | ↓ | Partial recovery – possibly compressed soil | |
| | | | | EOB @ 4' bgs | | | Backfill with Bentonite chips from 4'-1' and topsoil from 1' – 0' | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | Geoprobe 4 X 4 Mule |
| METHOD OF ADVANCING BORING: | Direct-Push |
| METHOD OF SOIL SAMPLING: | Macro-core open tube. Continuous to 4' in 2' increments |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I Flag # 689, former landfill area, location adjacent to creek |

BORING NO.: 463

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 464 |
| PROJECT NO.: | N1369 | START DATE: | 12/18/03 |
| LOGGED BY: | J. Lambert | COMPLETION: DATE: | 12/18/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JD |

TRANSCRIBED BY: DH

ELEVATION FROM:

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | 0' - 0.2' - Grass/roots | | | |
| | | 1.9' / 2.0' | SBP-SO-464-0002 Screening and Confirmation 12/18/03 @ 0925 | | Slightly Loose | Brown | 0.2' - 0.6' - Silty fine-medium SAND, some organics (roots) and wood fragments | SM | Moist | PID=0.0 FID=0.0 |
| 1 | | | | | | Light Brown | 0.6' - 1.0' - Fine-medium SAND, trace shells | SP/Fill | | |
| | | | Dup SBP-SO-DUP09 | | | Brown | 1.0' - 1.3' - Fine sand, some silt, trace medium sand | | | |
| 2 | | | 12/18/03 @ O928 | | | Light Brown | 1.3' - 1.9' - Fine-medium SAND | | | |
| | | 0.9' / 2.0' | SBP-SO-464-0204 Screening 12/18/03 @ 0930 | | | | 0' - 0.1' - Similar to above | | | PID=0.0 FID=0.0 |
| 3 | | | | | Slightly Dense | | 0.1' - 0.8' - Medium-coarse SAND, trace fine sand, piece of plastic | | Wet | |
| | | | | | Slightly Loose | Dark | 0.8' - 0.9' - Wood fragments, trace sand | Fill | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID=C PID= C Flag number 640 Former Landfill area –Outside of baseball fields |

BORING NO.: 464

Tetra Tech NUS, Inc.



TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 465 |
| PROJECT NO.: | N1369 | | | START DATE: | 12/18/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 12/18/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Pryzbylski | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Grass surface – island on parking lot | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.3' / 2.0' | SBP-SO-465-0002 Screening 12/18/03 @ 1005 | | Loose | Dark Brown | SAND – trace silt, trace gravel, fine-medium sand mostly, poorly graded, trace coarse sand, fine gravel to ½" subrounded | SP/Fill | Grass/root plug Approximately 2" | FID=0.0 PID=0.0 |
| 1 | | | | | | | | | | |
| | | | | | | | | | Poor recovery Compressed soil | |
| 2 | | | | | | | | | | |
| | | 1.0' / 2.0' | SBP-SO-465-0204 Screening 12/18/03 @ 1010 | | | | SAND- trace silt, similar to above – possibly continued from upper interval with exception of gravel | | | FID=0.0 PID=0.0 |
| 3 | | | | | Denser | Orange Brown | Silty SAND – fine-medium sand mostly, trace coarse sand, oxidized, wood chunks, glass shards to 1.25" | SM/Fill | Saturated | FID=0.0 PID=0.0 |
| | | | | | | | | | | |
| 4 | | | | | Loose | Dark Gray | Silty SAND –similar to above with exception of color FILL - wood chunks, plastic, metal | Fill | | FID=0.0 PID=0.0 |
| | | | | EOB @ 4' bgs | | | Backfill with bentonite chips (4'-1') and topsoil (1'-0') -relocate point with GPS- outside of 5' limit | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4x4 mule | Note: Refusal at 3' move further away from marked utility line and re-drill. Refusal again at 3' in 2nd attempt | *Tetra Tech NUS, Inc.* |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag number 707 Former Landfill area;location next to creek | BORING NO.: 465 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 465A |
| PROJECT NO.: | N1369 | START DATE: | 1/29/04 |
| LOGGED BY: | J. Lambert | COMPLETION: DATE: | 1/29/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JD |

TRANSCRIBED BY: DH

ELEVATION FROM:

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | No samples collected from 0'- 4' bgs | | | | Refer to Boring Log Number 465 for soil profile details from 0-4' | | | |
| 1 | | | | | | | | | | |
| 2 | | | | | | | | | | |
| 3 | | | | | | | | | | |
| 4 | | | | | | | | | | |
| 5 | | 1.1' / 2.0' | SBP-SO-465A-0406<br>Screening<br>1/29/04 @ 1510 | | Slightly Loose | Gray Black | 0' - 0.4' - Medium-coarse SAND<br>0.4' - 0.5' - Fine-coarse SAND | SP | Wet | PID=0.0<br>FID=95.3 |
| | | | | | | Dark - Gray | 0.5' - 0.6' - Medium-coarse SAND, trace silt | | | |
| 6 | | | | | | | 0.6' - 1.1' - Fine sandy SILT, some subrounded gravel | ML | | |
| | | | | EOB @ 6' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) | Note: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | Phase II Screening = Asbestos and Metals | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Approximately 5.0' bgs | | |
| OTHER OBSERVATIONS: | Phase II FID=B PID=B Old Flag number 707 Former Landfill area-near baseball field parking lot | BORING NO.: 465A | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 466 |
| PROJECT NO.: | N1369 | START DATE: | 12/18/03 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 12/18/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | 0' - 0.2' - Grass/roots | | | |
| | | 1.6' / 2.0' | SBP-SO-466-0002 Screening 12/18/03 @ 1010 | | Slightly Loose | Brown | 0.2' - 1.1' - Silty five-medium SAND, some coarse sand | SM | Moist | PID=0.0 FID=0.0 |
| 1 | | | | | | Dark Brown | 1.1' - 1.2' - Fine sandy SILT | | | |
| | | | | | | Brown | 1.2' - 1.3' - Silty fine-medium SAND | | | |
| 2 | | | | | | Gray | 1.3' - 1.6' - Fine-coarse SAND and GRAVEL | SW | | |
| | | | SBP-SO-466-0204 Screening 12/18/03 @ 1015 | | Slightly Dense | | Silty fine-medium SAND | SM | | PID=0.0 FID=0.0 |
| 3 | | | | | | | | | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID=C PID= C Flag number 641 Former Landfill area –beyond outfield in E. baseball diamond |

BORING NO.: 466

Tetra Tech NUS, Inc.



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | BORING NO.: 466A |
| PROJECT NO.: | N1369 | | START DATE: 2/2/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 2/2/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Refer to Boring Log Number 466 for soil profile details from 0-4' | | | |
| | | | No samples collected from 0-4' bgs | | | | | | | |
| 1 | | | | | | | | | | |
| | | | | | | | | | | |
| 2 | | | | | | | | | | |
| | | | | | | | | | | |
| 3 | | | | | | | | | | |
| | | | | | | | | | | |
| 4 | | | | | | | | | | |
| | | 1.2' / 2.0' | SBP-SO-466A-0406 Screening 2/2/04 @ 1425 | | Slightly Loose | Dark Brown | 0' - 0.4' - Silty fine-medium SAND | SM | Moist – petroleum odor | PID=0.0 FID=0.0 |
| 5 | | | | | | Dark Gray | 0.4' - 1.2' - Fine-coarse SAND, some wood fragments, trace subangular - angular gravel | SW | | |
| | | | | | | | | | | |
| 6 | | | | | | | | | | |
| | | 0.7' / 2.0' | SBP-SO-466A-0608 Screening 2/2/04 @ 1440 | | | | Similar material to above | | Wet | PID=5.4 |
| 7 | | | | | | | | | | FID=74.6 |
| | | | | | | | | | | |
| 8 | | | | EOB @ 8' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase II FID=D / PID=D FID failed pm check Old Flag number 641 Former Landfill area – outside baseball field |

BORING NO.: 466A

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 467 |
| PROJECT NO.: | N1369 | START DATE: | 12/18/03 |
| LOGGED BY: | K. Jalkut | COMPLETION: DATE: | 12/18/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JL |
| TRANSCRIBED BY: | LJD | ELEVATION FROM: | |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Grass surface = island in parking lot | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.3' / 2' | SBP-SO-467-0002 Screening 12/18/03 @ 1105 | | Loose | Brown | Silty SAND – trace gravel, organic roots - Fine-medium sand mostly, poorly graded, 1 piece fine gravel to ½" subrounded | SM/Fill | Grass/root plug = Approximately 3" Soggy grass | |
| 1 | | | | | | White | CRUSHED ROCK = ~3 in | Fill | | FID = 0.0 PID = 0.0 |
| | | | | | Dense | Brown | Silty SAND – trace gravel, fine-medium sand mostly, trace coarse sand, fine gravel to ½" subrounded | SM/Fill | Packed Soil/damp Partial recovery Compressed soil | FID = 0.0 PID = 0.0 |
| 2 | | | | | | | | | | |
| | | 1.7' / 2' | SBP-SO-467-0204 Screening and confirmation 12/18/03 @ 1110 | | | Dark Brown | Silty SAND - trace gravel, fine-medium sand mostly, trace coarse sand, fine gravel to ½" subrounded, Organic roots, organic material | | Backed Soil Damp | FID = 38 PID = 0.0 |
| 3 | | | | | | | | | | FID = 11 PID = 0.0 |
| | | | | | Loose | | SAND and GRAVEL - fine-coarse sand, well graded. Fine-coarse gravel to ½-1 ½ ", subrounded | SW-GW/ Fill | Damp Packed Soil | FID = 12.7 PID = 0.0 |
| 4 | | | | | Dense | | Silty SAND - fine-medium sand, poorly graded, trace coarse sand | SM/Fill | | FID = 0.0 PID = 0.0 |
| | | | | EOB @ 4' bgs | | | Backfill with Bentonite chips (4' – 1') and topsoil (1'- 0') | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | Geoprobe 4 X 4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | Direct-Push | | |
| METHOD OF SOIL SAMPLING: | Macro-core open tube. Continuous to 4' in 2' increments | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag # 662, former landfill area | BORING NO.: 467 | PAGE: 1 OF 1 |

TtNUS Form 0018

BORING LOG FOR: Raymark OU9 RI/FS
PROJECT NO.: N1369
LOGGED BY: J. Lambert
DRILLED BY (Company/Driller): Aquifer Drilling & Testing/ Rob Ullmann
GRD. SURFACE ELEVATION:

TRANSCRIBED BY: DH
ELEVATION FROM:

BORING NO.: 468
START DATE: 12/18/03
COMPLETION: DATE: 12/18/03
MON. WELL NO.: N/A
CHECKED BY: JD

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | 0' - 0.2' - Roots/grass | | | |
| | | 1.8'/2.0' | SBP-SO-468-0002 Screening 12/18/03 @ 1100 | | Loose | Brown | 0.2' - 0.3' - Fine sandy SILT, some organics (roots) | ML | Wet | PID=0.0 |
| | | | | | Slightly | Dark Gray | 0.3' - 0.5' - Fine-medium SAND, trace shells | SP | | FID=0.0 |
| 1 | | | | | Loose | Gray Brown | 0.5' - 0.7' - Similar to above (color change only) | | | |
| | | | | | | | 0.7' - 1.1' - Silty fine SAND, some medium sand | SM | Moist | |
| | | | | | Slightly Dense | Dark Brown | 1.1' - 1.5' - Silty fine SAND | | | |
| 2 | | | | | Slightly Loose | Black | 1.5' - 1.8' - Charcoal, some fine-coarse sand | Fill | Wet | |
| | | 1.4'/2.0' | SBP-SO-468-0204 Screening 12/18/03 @ 1105 | | | Gray | 0' - 0.6' - Fine-medium SAND | SP | | PID=0.0 FID=0.0 |
| 3 | | | | | | | 0.6' - 1.2' - Fine SAND | | | |
| | | | | | | Dark Brown | 1.2' - 1.4' - Fine-medium SAND, some silt, some glass, wood fragments | SP/Fill | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

TYPE OF DRILLING RIG: GEOPROBE – Track- mounted (Rig 2)
METHOD OF ADVANCING BORING: DIRECT- PUSH
METHOD OF SOIL SAMPLING: MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals
METHOD OF ROCK CORING: N/A
GROUNDWATER LEVELS:
OTHER OBSERVATIONS: Phase I FID=C PID=C Flag number 618 Former Landfill area –outside of baseball fields

BORING NO.: 468

Tetra Tech NUS, Inc.



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 469 |
| PROJECT NO.: | N1369 | START DATE: | 12/18/03 |
| LOGGED BY: | J. Lambert | COMPLETION: DATE: | 12/18/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JD |

TRANSCRIBED BY: DH

ELEVATION FROM:

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0' - 0.2' - Grass/roots | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.9' / 2.0' | SBP-SO-469-0002 Screening 12/18/03 @ 1130 | | Slightly Loose | Gray | 0.2' - 0.9' - Fine-medium SAND, trace shells | SP | Moist | PID=0.0 |
| | | | | | | Brown | 0.9' - 1.0' - Fine-medium SAND, some silt | | | FID=0.0 |
| 1 | | | | | | Gray | 1.0' - 1.2' - Fine-medium SAND | | | |
| | | | | | | Brown | 1.2' - 1.3' - Fine-medium SAND, some silt, trace gravel | | | |
| 2 | | | | | Slightly Dense | Gray | 1.3' - 1.6' - Fine-medium SAND, trace coarse sand | SW | | |
| | | | | | | Dark Brown | 1.6' - 1.9' - Fine SAND, trace silt | SP | | |
| | | 1.6' / 2.0' | SBP-SO-469-0204 Screening 12/18/03 @ 1135 | | | | 0' - 0.9' - Similar to above | | | PID=0.0 FID=0.0 |
| 3 | | | | | | Brown | 0.9' - 1.6' - Fine-medium SAND, trace gravel, trace coarse sand | SW | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID= C PID= C Flag number 619 Former Landfill area – outside of baseball fields BORING NO.: 469 |

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 470 |
| PROJECT NO.: | N1369 | START DATE: | 12/18/03 |
| LOGGED BY: | J. Lambert | COMPLETION: DATE: | 12/18/03 |
| DRILLED BY (Company/Driller): | AQUIFER DRILLING & TESTING/ Rob | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JD |

TRANSCRIBED BY: DH

ELEVATION FROM:

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.8' / 2.0' | SBP-SO-470-0002 Screening 12/18/03 @ 1330 | | Slightly Loose | Red-Brown | 0' - 0.2' - Grass/roots<br>0.2' - 0.7' - Fine SAND, some organics (roots), trace silt | SP | Moist | PID=0.0<br>FID=0.0 |
| 1 | | | | | | Gray | 0.7' - 1.8' - Fine-medium SAND, trace seashells | | Wet | |
| 2 | | | | | | | | | | |
| 3 | | 1.4' / 2.0' | SBP-SO-470-0204 Screening 12/18/03 @ 1335 | | | Dark Brown | 0' - 0.2' - Similar to above<br>0.2' - 0.4' - Silty fine-medium SAND, some plastic, roots | SM/Fill | | PID=0.0<br>FID=172.9 |
| 4 | | | | | Slightly Dense | Light Brown | 0.4' - 1.4' - Fine-coarse SAND, some gravel, some silt, trace charcoal | SW/Fill | Moist | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID=C PID=C Flag number 598 Former Landfill area –outside of baseball fields |

BORING NO.: 470

Tetra Tech NUS, Inc.



TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 471 |
| PROJECT NO.: | N1369 | | | START DATE: | 12/18/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: | LJD | COMPLETION: DATE: | 12/18/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Asphalt surface = approximately 3 inches | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.4' / 2' | SBP-SO-471-0002 Screening 12/18/03 @ 1335 | | Loose | Light Brown | SAND – some gravel, mostly fine-coarse sand, trace coarse sand, fine-coarse ¼-1½" subrounded gravel | SP-GP/ Fill | Used dedicated drill bit through asphalt | FID = 0.0 PID = 0.0 |
| 1 | | | | | | | SAND – trace silt – trace gravel, fine-medium sand mostly, fine gravel to ½" subrounded, glass, metal shards to 1.5", organic roots, organic material | | | FID = 322 PID = 0.0 |
| | | | | | Denser | Dark Brown | | | Compressed soil – packed Poor recovery 0-2' Wet sand | FID = 31.7 PID = 0.0 |
| 2 | | | | | | | | | | |
| | | 0.6' / 2' | SBP-SO-471-0204 Screening 12/18/03 @ 1342 | | Dense | Brown - Black | SAND – trace silt – trace fine gravel to ½" subrounded, fine-medium sand, similar to above, glass | | Saturated Poor recovery – compressed soil | FID = 0.0 PID = 0.0 |
| 3 | | | | | | | SAND and SILT mixture with cloth, glass, rubber; mostly silt sized with fine-medium sand intervals ¼" thick | SM/Fill | | FID = 0.0 PID = 0.0 |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | Backfill with chips (4' – 0.25') asphalt cold patch (0.25' – 0') | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | Geoprobe 4 X 4 Mule | Note: refusal at 1.5' initially – moved location 1-2' | *Tetra Tech NUS, Inc.* |
| METHOD OF ADVANCING BORING: | Direct-Push | | |
| METHOD OF SOIL SAMPLING: | Macro-core open tube. Continuous to 4' in 2' increments | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag # 658, former landfill area | BORING NO.: 471 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 472 |
| PROJECT NO.: | N1369 | | | START DATE: | 12/18/03 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 12/18/03 |
| DRILLED BY (Company/Driller): | AQUIFER DRILLING & TESTING/ Rob | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.9' / 2.0' | SBP-SO-472-0002 Screening 12/18/03 @ 1405 | | Slightly Loose | Brown | 0' - 0.2' - Grass/roots<br>0.2' - 0.8' - Fine SAND, some silt, trace organics (roots) | SP | Moist | PID=0.0<br>FID=0.0 |
| 1 | | | | | | Gray-Brown | 0.8' - 1.5' - Fine-medium SAND, trace shells | | | |
| 2 | | | | | | Gray | 1.5' - 1.9' - Fine-medium SAND | | | |
| 3 | | 1.3' / 2.0' | SBP-SO-472-0204 Screening and Confirmation 12/18/03 @ 1410 | | | Brown | 0' - 0.2' - Similar to above<br>0.2' - 0.5' - Fine sandy SILT<br>0.5' - 0.9' - Decayed leaves/wood fragments, ash, some silt, charcoal, glass | ML<br>Fill | Wet | PID=0.0<br>FID=0.0 |
| 4 | | | | | | Gray | 0.9'-1.3' Fine-medium SAND | SP | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | | | |
|---|---|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) | | | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | | | |
| METHOD OF ROCK CORING: | N/A | | | | |
| GROUNDWATER LEVELS: | | | | | |
| OTHER OBSERVATIONS: | Phase I FID= C PID= C Flag number 576 Former Landfill area | BORING NO.: 472 | | | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 473 |
| PROJECT NO.: | N1369 | START DATE: | 12/18/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: LJD | COMPLETION: DATE: 12/18/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Grass surface – near ballfield parking lot | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | SBP-SO-473-0002 Screening 12/18/03 @ 1415 | | Loose | Dark Brown | SAND – some silt – trace gravel – organic roots, mostly fine-medium sand, trace coarse sand, fine gravel ¼-½", subrounded, roots | SP/Fill | Grass/root plug = approximately 2" | FID = 0.0 PID = 0.0 |
| 1 | | | | | | | | | | |
| | | | | | | Tan - Gray | SAND, fine-medium sand mostly, poorly graded, seashells | | Wet sand | FID = 0.0 PID = 0.0 |
| 2 | | | | | | | | | | |
| | | | SBP-SO-473-0204 Screening 12/18/03 @ 1420 | | | | | | Saturated sand | |
| 3 | | | | | | | | | | FID = 1.3 PID = 0.0 |
| | | | | | Dense | Dark Gray | SAND – trace silt – fine-medium sand mostly, poorly graded, 1/8" thick intervals of silt, organics | | | |
| 4 | | | | | | Black | SAND- some silt- some gravel – fine-medium sand mostly, trace coarse sand, fine-coarse gravel ½-1¼" gravel, organics (roots, reeds) | SM/GM Fill | | FID = 7.0 PID = 0.0 |
| | | | | EOB @ 4' bgs | | | Backfill with Bentonite chips (4' – 1') and topsoil (1' – 0') | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | Geoprobe 4 X 4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | Direct-Push | | |
| METHOD OF SOIL SAMPLING: | Macro-core open tube. Continuous to 4' in 2' increments | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag # 591, former landfill area | BORING NO.: 473 | PAGE: 1 OF 1 |

TtNUS Form 0018

BORING LOG FOR: Raymark OU9 RI/FS
PROJECT NO.: N1369
LOGGED BY: J. Lambert
DRILLED BY (Company/Driller): AQUIFER DRILLING & TESTING/ Rob
GRD. SURFACE ELEVATION:

TRANSCRIBED BY: DH
ELEVATION FROM:

BORING NO.: 474
START DATE: 12/18/03
COMPLETION: DATE: 12/18/03
MON. WELL NO.: N/A
CHECKED BY: JD

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.9' / 2.0' | SBP-SO-474-0002 Screening 12/18/03 @ 1430 | | Slightly Loose | Dark Red | 0' - 0.2' - Grass/roots<br>0.2' - 0.8' - Fine SAND, trace silt | SP | Moist | PID=0.0<br>FID=14.1 |
| 1 | | | | | | Gray Light Brown | 0.8' - 1.1' - Fine-medium SAND<br>1.1' - 1.4' - Fine sandy SILT | ML | | |
| | | | | | Slightly Dense | Gray Black | 1.4' - 1.6' - Fine-medium SAND<br>1.6' - 1.7' - Fine sandy SILT, some burnt wood (possible burn layer) | SP<br>ML/Fill | | |
| 2 | | | | | | | 1.7' - 1.9' - Fine SAND, some silt | SP | | |
| | | 0.7' / 2.0' | SBP-SO-474-0002 Screening 12/18/03 @ 1435 | | | Dark Brown | Fine sandy SILT, trace gravel (rounded), ash at 0.7' | ML/Fill | | PID=0.0<br>FID=169.8 |
| 3 | | | | | | | | | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | Note: refusal at 3.7' | | | |

TYPE OF DRILLING RIG: GEOPROBE – Track- mounted (Rig 2)
METHOD OF ADVANCING BORING: DIRECT- PUSH
METHOD OF SOIL SAMPLING: MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals
METHOD OF ROCK CORING: N/A
GROUNDWATER LEVELS:
OTHER OBSERVATIONS: Phase I FID= C PID= C Flag number 550 Former Landfill area – beyond baseball

BORING NO.: 474

Tetra Tech NUS, Inc.



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 475 |
| PROJECT NO.: | N1369 | START DATE: | 12/18/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: LJD | COMPLETION: DATE: 12/18/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | NA | | | | | | grass surface – on island in parking lot | | | |
| | | 2' / 2' | SBP-SO-475-0002 Screening 12/18/03 @ 1500 | | Loose | Brown - Gray | SAND – trace gravel, fine-coarse sand, well graded, fine gravel ¼-½ " subrounded, organic roots | SW/Fill | Grass/root plug = approximately 2" | FID = 0.0 PID = 0.0 |
| 1 | | | | | | | | | Damp | |
| 2 | | | | | | | | | | |
| | | 2' / 2' | SBP-SO-475-0204 Screening 12/18/03 @ 1505 | | | | | | | |
| 3 | | | | | | Dark Brown | 1 inch interval of dark brown silty SAND, fine-medium sand, poorly graded and organic roots | SM/Fill | | FID = 0.0 PID = 0.0 |
| | | | | | | Brown - Gray | SAND – trace gravel; similar to above | SW/Fill | | |
| 4 | | | | | | | | | | FID = 0.0 PID = 0.0 |
| | | | | EOB @ 4' bgs | | | Backfill with Bentonite chips (4' – 1') and topsoil (1' – 0') | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | Geoprobe 4 X 4 Mule | FID/PID = B | *Tetra Tech NUS, Inc.* |
| METHOD OF ADVANCING BORING: | Direct-Push | | |
| METHOD OF SOIL SAMPLING: | Macro-core open tube. Continuous to 4' in 2' increments | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag # 724; former landfill area | BORING NO.: 475 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 476 |
| PROJECT NO.: | N1369 | START DATE: | 12/18/03 |
| LOGGED BY: | J. Lambert | COMPLETION: DATE: | 12/18/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JD |

TRANSCRIBED BY: DH

ELEVATION FROM:

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0' - 0.2' - Grass/roots | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 2.0' / 2.0' | SBP-SO-476-0002 Screening 12/18/03 @ 1500 | | Slightly Loose | Dark Red Gray | 0.2' - 0.5' - Fine-medium SAND, trace silt<br>0.5' - 0.6' - Fine-medium SAND | SP | Moist | PID=0.0<br>FID=1.2 |
| 1 | | | | | | Dark Brown Gray | 0.6' - 0.7' - Fine-medium SAND (color change only)<br>0.7' - 0.8' - Fine-medium SAND, (color change) | | | |
| 2 | | | | | | Dark Brown | 0.8' - 2.0' - Fine-medium sandy SILT, trace gravel, wood fragments | ML | | |
| 3 | | 1.3' / 2.0' | SBP-SO-476-0204 Screening 12/18/03 @ 1505 | | | Brown | 0' - 0.7' - Fine sandy SILT, trace wood fragments<br>0.7' - 1.3' - Silty fine-medium SAND, trace wood, trace fine gravel | SM | | PID=0.0<br>FID=25.5 |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID= C PID= C Flag number 528 Former Landfill area – just beyond baseball fields \| BORING NO.: 476 |

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 477 |
| PROJECT NO.: | N1369 | START DATE: | 12/18/03 |
| LOGGED BY: | J. Lambert | COMPLETION: DATE: | 12/18/03 |
| DRILLED BY (Company/Driller): | AQUIFER DRILLING & TESTING/ Rob | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JD |

TRANSCRIBED BY: DH

ELEVATION FROM:

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | 0' - 0.2' - Grass/roots | | | |
| | | 1.7' / 2.0' | SBP-SO-477-0002 Screening 12/18/03 @ 1540 | | Slightly Loose | Dark Red | 0.2' - 0.4' - Silty fine SAND, trace organics (roots) | SM | Moist | PID=0.0 FID=15.5 |
| 1 | | | | | | Gray Brown | 0.4' - 0.8' - Fine-medium SAND<br>0.8' - 0.9' - Fine SAND, trace silt | SP | | |
| | | | | | Slightly Dense | Gray Dark Brown | 0.9' - 1.1' - Fine-medium SAND, trace shells<br>1.1' - 1.2' - Silty fine SAND | SM | | |
| 2 | | | | | Slightly Loose | Dark Gray | 1.2' - 1.7' - Silty fine SAND, trace textile (yarn/rug fragment- green), wood fragments | SM/Fill | | |
| | | 1.0' / 2.0' | SBP-SO-477-0204 Screening 12/18/03 @ 1545 | | Slightly Dense | Black | 0' - 0.1' - Silty fine SAND | SM | | PID=0.0 FID=0.0 |
| 3 | | | | | | Light Brown | 0.1' - 0.7' - Fine-medium SAND, some silt, trace plastic, wood fragments | SP/Fill | | |
| 4 | | | | | | | 0.7' - 1.0' - Fine-medium SAND, some silt, some gravel | SP | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID=C PID=C Flag number 507 Former Landfill area –beyond baseball fields |

BORING NO.: 477

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 478 |
| PROJECT NO.: | N1369 | START DATE: | 12/18/03 |
| LOGGED BY: | K. Jalkut | COMPLETION: DATE: | 12/18/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JL |

TRANSCRIBED BY: LJD

ELEVATION FROM:

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Asphalt surface – approximately 4" thick, parking lot | | | |
| | | 2' / 2' | SBP-SO-478-0002 Screening 12/19/03 @ 0920 | | Loose | Brown | SAND – some gravel, fine-medium sand mostly, trace coarse sand, poorly graded, fine-coarse subrounded gravel to ½-1" | SW | Used dedicated drill bit through asphalt | |
| 1 | | | | | | | | | Damp | FID = 20 PID = 0.0 |
| | | | | | | Dark Gray | SAND - fine-medium sand, poorly graded, ceramic tiles | SP/Fill | Damp | FID = 49.2 PID = 0.0 |
| 2 | | | | | Dense | Black | Sandy SILT – mostly silt with fine-medium sand, trace fine gravel to ½" subrounded, organic fibers | SM/Fill | | |
| | | 2' / 2' | SBP-SO-475-0204 Screening 12/19/03 @ 0925 | | Loose | Brown | Silty SAND –trace gravel, fine-medium sand, trace coarse sand, poorly graded, fine gravel to ½" subrounded | | Saturated sand or fines | FID = 85.9 PID = 0.0 |
| 3 | | | | | Dense | Black | | | | FID = 20 PID = 0.0 |
| | | | | | | | Similar to above with exception of color, consistency and presence of fill (plastic or glass shards to 1.5", burned wood chunks) | | Damp only | |
| 4 | | | | | | | Broken or crushed rock at end of sleeve | | | FID = 8.9 PID = 0.0 |
| | | | | EOB @ 4' bgs | | | Backfill with bentonite chips (4' – 0.25') and cold patch asphalt (0.25' – 0') | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | Geoprobe 4 X 4 Mule |
| METHOD OF ADVANCING BORING: | Direct-Push |
| METHOD OF SOIL SAMPLING: | Macro-core open tube. Continuous to 4' in 2' increments |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I Flag # 635; former landfill area |

BORING NO.: 478

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 479 |
| PROJECT NO.: | N1369 | START DATE: | 12/19/03 |
| LOGGED BY: | J. Lambert | COMPLETION: DATE: | 12/19/03 |
| DRILLED BY (Company/Driller): | AQUIFER DRILLING & TESTING/ Rob | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JD |

TRANSCRIBED BY: DH

ELEVATION FROM:

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | 0' - 0.2' - Grass/roots | | | |
| | | 1.6' / 2.0' | SBP-SO-479-0002 Screening 12/19/03 @ 0940 | | Slightly Dense | Dark Red | 0' - 0.5' - Silty fine SAND, some organics ( roots) | SM | Moist | PID=0.0 FID=60.1 |
| 1 | | | | | | Brown | 0' - 0.7' - Fine-medium SAND<br>0.7' - 1.2' - Silty fine SAND, some medium sand trace gravel (rounded) | SP<br>SM | | |
| | | | | | | Dark Brown | 1.2' - 1.6' - Silty fine SAND, some organics (roots), trace medium sand, some wood pieces | | Wet | |
| 2 | | | | | | | | | | |
| | | 1.1' / 2.0' | SBP-SO-479-0204 Confirmation 12/19/03 @ 0945 | | | | 0' - 0.6' - Similar to above | | Wet | PID=0.0 FID=108.6 |
| 3 | | | | | | | 0.6' - 1.1' - Silty fine SAND, some gravel | | Moist | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID= A PID= A Flag number 508 Former Landfill area – outside baseball fields |

BORING NO.: 479

Tetra Tech NUS, Inc.



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 480 |
| PROJECT NO.: | N1369 | START DATE: | 12/19/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 12/19/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Grass Surface | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 2' / 2' | SBP-SO-480-0002 Screening 12/19/03 @ 1008 | | Loose | Red - Brown | SAND, some silt. Fine-Medium sand mostly, poorly graded, organic roots | SM/Fill | Grass/root plug = approximately 3" | | |
| 1 | | | | | | Tan - Gray | SAND, trace gravel. Fine-medium sand, poorly graded, seashells. Two pieces coarse gravel subrounded to 1" | SP/Fill | Damp | 0.0 | 0.0 |
| 2 | | | | | | | | | Damp | 0.0 | 0.0 |
| 3 | | 1.5' / 2' | SBP-SO-480-0204 Screening and Confirmation 12/19/03 @ 1013 | | | | SAND, fine-medium sand, poorly graded, seashells | | Saturated sand | | |
| 4 | | | | | Dense | Black | Potential waste material, shiny long fibers (PACM) | Fill | Dense packed soil and/or waste | 29 | 0.0 |
| | | | | | | Dark Brown | ORGANICS (fibers and reeds) with silty SAND. Fine-medium sand, trace coarse sand, trace fine gravel subrounded ¼" – ½", spongy material, brick pieces | | Damp | 110.9 | 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |
| | | | | | | | Upgraded to level C for 2-4' 1025-1040 hr (KJ) 1025 through next sleeve (KL) | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 x 4 Mule | Note: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | PACM = Potential asbestos containing material | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 410 Former landfill area - Outside ballfield | BORING NO.: 480 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 480A |
| PROJECT NO.: | N1369 | START DATE: | 1/22/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/22/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/R. Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | SBP-SO-480A-0002 | | | | Refer to Boring Log Number 480 for soil profile details from 0' – 4' bgs | | | |
| 1 | | | Full Suite, less Dioxin and SPLP<br>1/22/04 @ 1516 | | | | | | | |
| 2 | | | | | | | | | | |
| 3 | | | SBP-SO-480A-0204<br>Full Suite<br>1/22/04 @ 1540 | | | | | | | |
| 4 | | | | | | | | | | |
| 5 | | 1.2' / 2' | SBP-SO-480A-0406<br>Full Suite, less Dioxin and SPLP<br>1/22/04 @ 1610 | | Slightly Loose | Gray Black | 0' – 0.3' – Fine-medium SAND, trace subangular gravel<br>0.3' – 0.7' – Fine-medium SAND, some silt<br>0.7' – 0.8' – WOOD, stained | SP<br>Fill | Moist | PID = 0.0<br>FID = 185.0 |
| 6 | | | | | | | 0.8' – 1.2' – Fine-medium SAND, trace subangular gravel, trace glass | SP/Fill | | |
| 7 | | 1.2' / 2' | SBP-SO-480A-0608<br>Full Suite, less Dioxin and SPLP<br>1/22/04 @ 1630 | | | Dark Gray | 0' – 0.3' – Fine to coarse SAND, some silt<br>0.3' – 1.2' – Silty fine-medium SAND, trace coarse sand, some wood fragments | SW<br>SM/Fill | Wet | PID = 0.0<br>FID = 130.1 |
| 8 | | | | EOB @ 8' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track mounted |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | Approximately 6.5' bgs |
| OTHER OBSERVATIONS: | Phase II Flag Number 410 Former Landfill Area - Outside of baseball field PID = F/FID = D |

BORING NO.: 480A

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 481 |
| PROJECT NO.: | N1369 | START DATE: | 12/19/03 |
| LOGGED BY: | J. Lambert | COMPLETION: DATE: | 12/19/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JD |

TRANSCRIBED BY: DH

ELEVATION FROM:

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | 0' - 0.2' - Grass/roots | | | |
| | | 2.0' / 2.0' | SBP-SO-481-0002 Screening 12/19/03 @ 1005 | | Slightly Dense | Red-Brown | 0.2' - 0.7' - Sitly fine SAND, trace organics (roots) | SM | Moist | PID=0.0 FID=133.0 |
| | | | | | | Gray | 0.7' - 0.8' - Fine-medium SAND | SP | | |
| 1 | | | | | | Dark-Brown | 0.8' - 2.0' - Silty fine SAND, trace organics (roots), trace coarse sand, also aluminum foil fragments | SM/Fill | | |
| 2 | | | | | | | | | | |
| | | 1.0' / 2.0' | SBP-SO-481-0002 Screening 12/19/03 @ 1010 | | | Black | 0' - 0.1' - Fine sandy SILT | ML | | PID=0.0 FID=5.9 |
| | | | | | | | 0.1' - 0.2' - Stained/burnt wood | Fill | Wet | |
| | | | | | Slightly Loose | | 0.2' - 0.3' - Charcoal | Fill | | |
| 3 | | | | | | Brown | 0.3' - 1.0' - Silty fine SAND, 1" glass layer at 0.6' in the spoon, some gravel (rounded) | SM/Fill | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4 bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID= A PID= A Flag number 485 Former Landfill area – beyond outfield of baseball field |

BORING NO.: 481

Tetra Tech NUS, Inc.



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 482 |
| PROJECT NO.: | N1369 | START DATE: | 12/19/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: DH | COMPLETION: DATE: 12/19/03 |
| DRILLED BY (Company/Driller): | AQUIFER DRILLING & TESTING/ S. | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Grass surface | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 2.0' / 2.0' | SBP-SO-482-0002 Screening 12/19/03 @ 1040 | | Dense | Red Brown | Silty SAND-trace gravel- organic roots, fine-medium sand mostly, trace coarse sand, fine gravel to ½" subrounded, 1 piece coarse gravel to 1", subrounded | SM/Fill | Grass/root plug= Approximately 3" | PID=0.0 FID=0.0 |
| 2 | | | | | Loose | Tan-Gray | SAND fine-medium sand mostly, poorly graded, seashells | SP/Fill | Damp PACM, long shiny fibers, organics- waste | PID=0.0 FID=0.0 |
| | | | | | Dense | Dark Brown | Silty SAND- Fine-medium sand mostly with waste material | SM/Fill | | PID=0.0 |
| | | | | | Loose | Tan- Gray | SAND- fine-medium sand, poorly graded, seashells | SP/Fill | | FID=0.0 |
| 3 | | 2.0' / 2.0' | SBP-SO-482-0204 Screening 12/19/03 @ 1045 | | ↓ | ↓ | Similar to above | ↓ | Saturated sand | PID=0.0 FID=0.0 |
| 4 | | | | | Dense ↓ | Black ↓ | WASTE MATERIAL- PACM mixed with dense silty sand matrix (fine-medium sand, poorly graded, trace coarse sand and fine gravel to ½" –subrounded) and organic fibers | Fill ↓ | Long shiny fibers- WASTE/PACM | PID=0.0 FID=172 PID=1.2 FID=59 |
| | | | | EOB @ 4' bgs | | | Backfill with bentonite chips (4'-1') and topsoil (1'-0') (upgrade to level C) | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4x4 mule | | *Tetra Tech NUS, Inc.* |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | Note: | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | PACM = Potential asbestos containing material | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag number 429 Former Landfill area-outside baseball field | BORING NO.: 482 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 482A |
| PROJECT NO.: | N1369 | START DATE: | 1/20/04 |
| LOGGED BY: | K. Jalkut | COMPLETION: DATE: | 1/20/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling and Testing/M. Sarro | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JL |
| TRANSCRIBED BY: | RAC | | |
| ELEVATION FROM: | | | |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | NA | | | | | | | | | |
| | | 2.0' / 2.0' | SBP-SO-482A-0002 Full Suite less dioxin and SPLP 1/20/04 @ 1344 | | | | Refer to Boring Log Number 482 for soil profile details from 0' – 4' bgs | | 2 sleeves 0' – 2' each | PID = 2.0 FID = 0 |
| 2 | | | | | | | | | | |
| | | 2.0' / 2.0' | SBP-SO-482A-0204 Full Suite DUP01A at 1410 1/20/04 @ 1400 | | | | | | 3 sleeves (2' each) Visible waste/PACM Level C | PID = 0 FID = 486 |
| 4 | | | | | | | | | | |
| | | 2.0' / 2.0' | SBP-SO-482A-0406 Full Suite less dioxin and SPLP 1/20/04 @ 1435 | | Dense | Dark Brown/Black | Waste – compressed matted fibrous material, long shiny fibers, silty sand | SM/ Waste | Level C Wet at 4' | PID = 0 FID = 36 |
| 5 | | | | | Loose | Tan-Gray | SAND, trace silt, fine-medium sand, trace coarse sand, poorly graded, seashells, organic roots, reeds | SP/Fill | visible waste PACM at 4' – 4.5' | |
| | | | | | | Brown | | | No visible PACM 2 sleeves to 2' each (4'-6') Level C | FID = 52 PID = 0 |
| 6 | | | | | | | Similar to above, with trace subrounded fine gravel to ½" Similar to above, with increased silt percentage, organics (reeds) | | | FID = 735 PID = 0 |
| | | 2.0' / 2.0' | SBP-SO-482A-0608 Full Suite less dioxin and SPLP 1/20/04 @ 1510 | | Dense - soft | Gray-Brown | SILT, some sand, fine-medium sand, poorly graded, saturated, organics | ML/Fill | Water table at 6.5' Saturated | FID = 490 PID = 0 |
| 7 | | | | | | Gray | SAND, trace gravel, fine-medium sand, trace coarse sand, poorly graded, ½" subrounded fine gravel, seashells | SP/Fill | | FID = 276 PID = 0 |
| | | | | | Loose | Black | SAND, some silt, fine-medium sand, trace coarse sand, poorly graded, trace fine-coarse subrounded gravel ½" - ¾" | SM/Fill | Petroleum like odor 7' (old odor) 2 sleeves (6' – 8') | |
| 8 | | | | | | Gray Brown | Silty SAND, trace gravel, fine-medium sand, poorly graded, fine gravel to ½" subrounded, glass, wood chunks, organics (reeds) | | | FID = 1286 PID = 0 |
| | | | | EOB @ 8' bgs | | | | | | |
| | | | | | | | EOB @ 8' bgs – Backfill with Bentonite chips (8' – 1') and topsoil (1' – 0") | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track mounted (Rig 4) |
| METHOD OF ADVANCING BORING: | Direct Push |
| METHOD OF SOIL SAMPLING: | Macro-Core Open tube. Continuous sampling in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | Water table at 6.5' bgs (1.5' $H_2O$ in bottom of hole at 1520 hours) |
| OTHER OBSERVATIONS: | Phase II – Former Landfill Area - FID and PID = F (PID failed pm calibration check) |

Note:
PACM = Potential asbestos containing material
Full Suite = SVOCs, Pesticides/PCBs, metals, dioxin, SPLP metals and PCBs, asbestos, and VOCs

BORING NO.: 482A

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 483 |
| PROJECT NO.: | N1369 | | | START DATE: | 12/19/03 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 12/19/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JD |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0' - 0.2' - Grass/roots | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.9' / 2.0' | SBP-SO-483-0002 Screening 12/19/03 @ 1030 | | Slightly Loose | Dark Red | 0.2' - 0.6' - Silty fine SAND, trace organics (roots) | SM | Wet | PID=0.0 FID=0.0 |
| 1 | | | | | Slightly Dense | Gray Dark Brown | 0.6' - 1.2' - Fine-medium SAND 1.2' - 1.5' - Silty fine SAND, trace medium sand | SP SM | Moist | |
| 2 | | | | | Slightly Loose | Yellow-Brown | 1.5' - 1.9' - Fine-medium SAND, some silt | | Wet | |
| 3 | | 1.0' / 2.0' | SBP-SO-483-0204 Screening 12/19/03 @ 1035 | | Slightly Dense | Light Brown | 0' - 0.3' - Similar to above 0.3' - 0.7' - Silty fine-coarse SAND, trace fine gravel | | | PID=0.0 FID=0.0 |
| 4 | | | | | Slightly Loose | Brown | 0.7' - 1.0' - Fine-coarse SAND, and GRAVEL, some brick fragments | SW/Fill | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID= A PID= A Flag number 484 Former Landfill area –beyond baseball outfield BORING NO.: 483 |

Tetra Tech NUS, Inc.



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 484 |
| PROJECT NO.: | N1369 | START DATE: | 12/19/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 12/19/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | NA | | | | | | Grass Surface – outside ballfield | | | | |
| | | 1.7' / 2' | SBP-SO-484-0002 Screening 12/19/03 @ 1100 | | Dense | Red Brown | Silty SAND, trace gravel, organic roots. Fine-medium sand mostly, trace coarse sand, 1 piece coarse subrounded gravel to 2" | SM/Fill | Grass/root plug = approximately 3" | 0.0 | 0.0 |
| 1 | | | | | | Brown | - Color change to brown, piece of plastic | | Damp | | |
| | | | | | Loose | Tan - Gray | SAND, trace gravel. Fine-medium sand mostly, poorly graded, seashells, 1 piece coarse subrounded gravel to 1.5", plastic | SP/Fill | Damp | 0.0 | 0.0 |
| 2 | | | | | | | | | | | |
| | | 2' / 2' | SBP-SO-484-0204 Screening 12/19/03 @ 1105 | | Dense | Dark Brown - Black | Similar to above | | Saturated sand | 0.0 | 0.0 |
| 3 | | | | | Loose | Tan - Gray | Two separations in sand unit with WASTE material, spongy matrix with long shiny fibers and organic fibers ½" – 1" thick - PACM | | PACM noted in sample | | |
| | | | | | Dense Loose | Dark Brown - Black Tan – Gray | | | | | |
| 4 | | | | | Dense | Black - Brown | WASTE MATERIAL – PACM, spongy, soggy waste mixed with silty fine-medium sand, trace coarse sand, poorly graded | | Long shiny fibers, also possible cellulose or organic fibers | 23 | 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 x 4 Mule | Note: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | PACM = Potential asbestos containing material | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 427 Former landfill area - Outside ballfield | BORING NO.: 484 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 485 |
| PROJECT NO.: | N1369 | START DATE: | 12/19/03 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 12/19/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | 0' - 0.2' - Grass/roots | | | |
| | | 1.9' / 2.0' | SBP-SO-485-0002 | | | Brown | 0.2' - 0.3' - Fine silty SAND, some organics ( roots) | SM | Moist | PID=0.0 |
| | | | Screening | | | Gray | 0.3' - 0.5' - Fine-medium SAND | SP | | FID=0.0 |
| 1 | | | 12/19/03 @ 1050 | | | Brown | 0.5' - 1.0' - Fine-medium SAND, some silt | | | |
| | | | | | | Yellow–Brown | 1.0' - 1.1' - Fine silty SAND, trace coarse sand | SM | | |
| | | | | | | Brown | 1.1' - 1.5' - Fine-medium SAND, some silt, trace coarse sand | | | |
| 2 | | | | | | Dark Brown | 1.5' - 1.8' - Silty fine SAND, trace organics | SP | | |
| | | | | | | Dark Gray | 1.8' - 1.9' - Fine SAND | | | |
| | | 1.1' / 2.0' | SBP-SO-485-0204 | | | Dark Brown | 0' - 0.1' - Fine SAND, some silt | | Wet | PID=0.0 |
| | | | Screening | | | | | | | FID=28.4 |
| 3 | | | 12/19/03 @ 1055 | | | | 0.1' - 0.3' - Similar to above –moisture change only | | Moist | |
| | | | | | | Brown | 0.3' - 0.5' - Fine-medium SAND | | | |
| | | | | | | | 0.5' - 1.1' - Fine-coarse SAND, some silt, trace ceramic, some glass | SW/Fill | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID= A PID= A Flag number 458 Former Landfill area – outside baseball |

BORING NO.: 485

Tetra Tech NUS, Inc.



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 486 |
| PROJECT NO.: | N1369 | START DATE: | 12/19/03 |
| LOGGED BY: | K. Jalkut | COMPLETION: DATE: | 12/19/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JL |

TRANSCRIBED BY: RAC

ELEVATION FROM:

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | NA | | | | | | Grass Surface – outside ballfield | | | | |
| | | 2' / 2' | SBP-SO-486-0002 Screening 12/19/03 @ 1110 | | Dense | Red | Sitly SAND, organic material. Fine-medium sand mostly, trace coarse sand, poorly graded, roots | SM/Fill | Grass/root plug = approximately 3" – Damp | 0.0 | 0.0 |
| 1 | | | | | Loose | | | | | 0.0 | 0.0 |
| | | | | | | Tan - Gray | SAND. Fine-medium sand mostly, poorly graded, seashells, brick pieces | SP/Fill | Wet | 0.0 | 0.0 |
| 2 | | | | | | | | | | | |
| | | 2' / 2' | SBP-SO-486-0204 Screening and Confirmation 12/19/03 @ 1115 | | | | Similar to above with seashells | | Saturated sand | 0.0 | 0.0 |
| 3 | | | | | | Dark Tan - Gray | Trace coarse sand, trace organic material (one 1" interval of organic fibers) | | Color change at 1" interval | | |
| | | | | | Dense | Black | WASTE MATERIAL, spongy dense waste, PACM mixture, long shiny fibers, silty sand with fine-medium sand, trace coarse sand poorly graded in mixture | Fill | PACM Damp | 110 | 0.0 |
| 4 | | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |
| | | | | | | | Upgrade to Level C while collecting both samples | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule | Note: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | PACM = Potential asbestos containing material | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 426 Former Landfill Area – Outside ballfield | BORING NO.: 486 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | BORING NO.: 486A |
| PROJECT NO.: | N1369 | | START DATE: 1/22/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/22/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/R. Ullmann | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | SBP-SO-486A-0002 Full Suite, less Dioxin and SPLP 1/22/04 @ 1345 | | | | Refer to Boring Log Number 486 for soil profile details from 0' – 4' bgs | | | |
| 1 | | | | | | | | | | |
| | | | | | | | | | | |
| 2 | | | | | | | | | | |
| | | | SBP-SO-486A-0204 Full Suite, less Dioxin and SPLP 1/22/04 @ 1400 | | | | | | | |
| 3 | | | | | | | | | | |
| | | | | | | | | | | |
| 4 | | | | | | | | | | |
| | | 1.5' / 2' | SBP-SO-486A-0406 Full Suite, less Dioxin and SPLP 1/22/04 @ 1420 | | Slightly Dense | Black | 0' – 0.1' – Fine sandy SILT<br>0.1' – 1.2' – PACM, fine sandy SILT with long needle like fibers throughout | ML Fill | Moist PACM noted in sample | PID = 1.1 |
| 5 | | | | | | | | | | FID = 271.3 |
| | | | | | | Dark Brown | 1.2' – 1.5' – Fine-medium SAND, some silt | SP | | |
| 6 | | | | | | | | | | |
| | | | | EOB @ 6' bgs | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track mounted (rig 2) | Note: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | Full Suite = SVOCs, Pesticides/PCBs, metals, dioxin, SPLP metals and PCBs, asbestos, and VOCs | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | PACM = Potential asbestos containing material | |
| GROUNDWATER LEVELS: | Approximately 5.5' bgs | | |
| OTHER OBSERVATIONS: | Phase II Old Flag Number 426 Former Landfill Area – area outside ballfield PID/FID = F | BORING NO.: 486A | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | BORING NO.: 487 |
| PROJECT NO.: | N1369 | | START DATE: 12/19/03 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 12/19/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | 0' - 0.2' - Grass/roots | | | |
| | | 1.9' / 2.0' | SBP-SO-487-0002 Screening 12/19/03 @ 1115 | | Slightly Loose | Brown Light Brown | 0.2' - 0.7' - Fine-medium SAND, trace silt<br>0.7' - 0.9' - Fine-medium SAND, trace silt, trace gravel | SP | Wet Moist | PID=0.0 FID=7.1 |
| 1 | | | | | | Gray | 0.9' - 1.1' - Cobble | | | |
| | | | | | | Brown | 1.1' - 1.9' - Fine-coarse SAND, some silt, some subrounded-rounded gravel | SW | | |
| 2 | | | | | | | | | | |
| | | 0.8' / 2.0' | SBP-SO-487-0204 Screening 12/19/03 @ 1120 | | | | 0' - 0.2' - Fine-medium SAND | SP | | PID=0.0 FID=29.5 |
| 3 | | | | | | Dark Brown | 0.2' - 0.7' - Fine-coarse SAND, some wood fragments, trace fine gravel | | Moist | |
| | | | | | | Black | 0.7' - 0.8' - Fine SAND, trace medium sand | | Wet | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID=A PID= A Flag number 457 Former Landfill area – outside of baseball field |

BORING NO.: 487

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 488 |
| PROJECT NO.: | N1369 | START DATE: | 12/19/03 |
| LOGGED BY: | K. Jalkut | COMPLETION: DATE: | 12/19/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JL |

TRANSCRIBED BY: RAC

ELEVATION FROM:

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Grass Surface | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 2' / 2' | SBP-SO-488-0002 Screening 12/19/03 @ 1120 | | Dense | Red | Silty SAND, trace gravel, organic roots. Fine-medium sand mostly, trace coarse sand, trace fine gravel subrounded to ½" | SM/Fill | Grass/root plug = approximately 3" | 0.0 | 0.0 |
| 1 | | | | | Loose | Tan - Gray | SAND, fine-medium sand, poorly graded, seashells | SP/Fill | Damp | | |
| 2 | | | | | | | Similar to above, with glass shards to ½" | | | 0.0 | 0.0 |
| | | 2' / 2' | SBP-SO-488-0204 Screening 12/19/03 @ 1125 | | | | | | Saturated sand | | |
| 3 | | | | | | | Similar to above, with trace gravel - two pieces coarse gravel to 1.5" | | | 0.0 | 0.0 |
| 4 | | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |
| | | | | | | | Upgraded to Level C – Just in case. No visible waste | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I Flag Number 425 Former Landfill Area |

BORING NO.: 488

Tetra Tech NUS, Inc.



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 489 |
| PROJECT NO.: | N1369 | START DATE: | 12/19/03 |
| LOGGED BY: | J. Lambert | COMPLETION: DATE: | 12/19/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JD |
| TRANSCRIBED BY: | DH | | |
| ELEVATION FROM: | | | |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | 0' - 0.2' - Grass/roots | | | |
| | | 2.0' / 2.0' | SBP-SO-489-0002 Screening 12/19/03 @ 1140 | | Slightly Loose | Dark Red | 0.2' - 0.5' - Silty fine SAND, some medium sand | SM | Wet | PID=0.0 |
| | | | | | | Gray | 0.5' - 0.8' - Fine-medium SAND, trace silt | SP | Moist | FID=1.9 |
| 1 | | | | | | Brown | 0.8' - 0.9' - Fine SAND, some silt | | | |
| | | | | | | Tan | 0.9' - 1.1' - Fine-medium SAND | | | |
| | | | | | | Black | 1.1' - 1.5' - Silty fine-medium SAND, trace fine gravel, trace wood fragments | SM | | |
| 2 | | | | | Slightly Dense | Dark Brown | 1.5' - 2.0' - Silty fine-medium SAND, trace coarse sand, trace gravel | | Slightly moist | |
| | | 1.0' / 2.0' | SBP-SO-489-0204 Screening 12/19/03 @ 1145 | | | Brown | 0' - 0.6' - Silty fine-coarse SAND, some wood, glass fragments | SM/Fill | | PID=0.0 FID=0.0 |
| 3 | | | | | | | | | | |
| | | | | | Slightly Loose | Black | 0.6' - 0.8' - WOOD fragments | Fill | Moist | |
| 4 | | | | | | Dark Brown | 0.8' - 1.0' - Wood fragments, some fine-coarse sand, some glass fragments, aluminum foil | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID= A PID= A Flag number 456 Former Landfill area – outside baseball field |

BORING NO.: 489

Tetra Tech NUS, Inc.



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 490 |
| PROJECT NO.: | N1369 | START DATE: | 12/19/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 12/19/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | NA | | | | | | Grass Surface – outside ballfield | | | | |
| | | 2' / 2' | SBP-SO-490-0002 Screening 12/19/03 @ 1135 | | Dense | Red | Silty SAND, trace gravel. Fine-medium sand, trace coarse sand poorly graded, fine gravel subrounded to ½" | SM/Fill | Grass/root plug = approximately 3" | 0.0 | 0.0 |
| 1 | | | | | Loose | Tan - Gray | SAND, trace gravel. Fine-medium sand, poorly graded, seashells, trace fine gravel subrounded to ½" | SP/Fill | Damp | | |
| 2 | | | | | | | | | | 0.0 | 0.0 |
| 3 | | 2' / 2' | SBP-SO-490-0204 Screening 12/19/03 @ 1140 | | | | | | Saturated sand | 0.0 | 0.0 |
| 4 | | | | | | | | | | 0.0 | 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |
| | | | | | | | Downgrade to Level D – No visible waste | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 424 Former Landfill Area – Outside ballfield | BORING NO.: 490 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 491 |
| PROJECT NO.: | N1369 | | | START DATE: | 12/19/03 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 12/19/03 |
| DRILLED BY (Company/Driller): | AQUIFER DRILLING & TESTING/ Rob | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0' - 0.2' - Grass/roots | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.7' / 2.0' | SBP-SO-491-0002 Screening 12/19/03 @ 1205 | | Loose | Dark Red | 0.2' - 0.5' - Silty fine-medium SAND, trace fine gravel, some roots | SM | Wet | PID=0.0 FID=0.0 |
| 1 | | | | | Slightly Loose | Gray Brown | 0.5' - 0.9' - Fine-medium SAND, trace shells<br>0.9' - 1.3' - Fine-coarse SAND, trace fine gravel, trace wood fragments | SP SW | Moist | |
| | | | | | | Black | 1.3' - 1.5' - SLAG | Fill | | |
| 2 | | | | | Slightly Dense | Brown | 1.5' - 1.7' - Fine-medium SAND, some silt, trace coarse sand | SW | Slightly moist | |
| | | 1.5' / 2.0' | SBP-SO-491-0204 Screening 12/19/03 @ 1210 | | | | Silty fine-coarse SAND, some fine gravel (rounded) – also fiberous mat; appears to be natural mossy, will send for asbestos analysis | | | PID=0.0 FID=0.0 |
| 3 | | | | | | | | | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | | | |
|---|---|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) | | | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | | | |
| METHOD OF ROCK CORING: | N/A | | | | |
| GROUNDWATER LEVELS: | | | | | |
| OTHER OBSERVATIONS: | Phase I FID=A PID= A | Flag number 434 | Former Landfill area – beyond baseball field area | BORING NO.: 491 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 492 |
| PROJECT NO.: | N1369 | START DATE: | 12/19/03 |
| LOGGED BY: | K. Jalkut | COMPLETION: DATE: | 12/19/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JL |
| TRANSCRIBED BY: | RAC | | |
| ELEVATION FROM: | | | |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Grass Surface – outside ballfield | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 2' / 2' | SBP-SO-492-0002 Screening 12/19/03 @ 1150 | | Loose | Dark Brown | SAND, some silt, organic roots. Fine-medium sand mostly, poorly graded, trace coarse sand, organic roots | SM/Fill | Grass/root plug = approximately 4" | 0.0 | 0.0 |
| 1 | | | | | | Tan - Gray | SAND, trace gravel. Fine-medium sand mostly, trace coarse sand, seashells | SP/Fill | Damp | 0.0 | 0.0 |
| | | | | | | | - Three 1" intervals of possible waste material. PACM in silty sand (fine-medium sand, poorly graded) mixture | | Damp Spongy intervals with long shiny fibers | 0.0 | 0.0 |
| 2 | | | | | | | | | | | |
| | | 2' / 2' | SBP-SO-492-0204 Screening 12/19/03 @ 1155 | | | | SAND. Fine-medium sand, poorly graded, seashells | | Saturated sand | 3.4 | 0.0 |
| 3 | | | | | Dense | Black | WASTE MATERIAL – spongy, with long shiny fibers, red colored material, possible fabric. PACM | Fill | PACM approximately 6" (Damp) | 13 | 0.0 |
| | | | Screening Dup (DUP10) at 1210 hrs | | Loose | Tan-Gray | SAND. Fine-medium sand, poorly graded, seashells | SP/Fill | Saturated sand | 81 | 0.0 |
| | | | | | Dense | Black | WASTE MATERIAL – Similar to waste unit above (PACM) | Fill | Damp Waste (PACM) | | |
| 4 | | | | | Loose | Tan-Gray | SAND – Similar to sand unit above | SP/Fill | Saturated sand | 4.7 | 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |
| | | | | | | | Upgrade to Level C for entire borehole | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule | Note: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | PACM = Potential asbestos containing material | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 449 Former Landfill Area – Outside ballfield | BORING NO.: 492 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 492A |
| PROJECT NO.: | N1369 | START DATE: | 1/20/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/20/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/R., Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | SBP-SO-492A-0002 Full Suite, less dioxin and SPLP 1/20/04 @ 1100 | | | | Refer to Boring Log Number 492 for soil profile details from 0' – 4' bgs | | | | |
| 1 | | | | | | | | | | | |
| 2 | | | | | | | | | | | |
| 3 | | | SBP-SO-492A-0204 Full Suite 1/20/04 @ 1130 | | | | | | Visible waste/PACM in middle of sample, clean sand below | | |
| 4 | | | | | | | | | | | |
| 5 | | 1.9' / 2' | SBP-SO-492A-0406 Full Suite, less dioxin and SPLP 1/20/04 @ 1205 | | Slightly Dense | Gray | 0' – 0.5' – Fine-medium SAND, some shell fragments | SP/Fill | | 0.0 | 0.0 |
| | | | | | | Dark Gray | 0.5' – 1.0' – Fine SAND, some medium sand, trace shell fragments | | | | |
| 6 | | | | | | Black | 1.0' – 1.2' – Fine to coarse SAND, trace charcoal fragments (possible burn zone) | SW/Fill | | | |
| | | | | | | Dark Gray | 1.2' – 1.3' – Fine to coarse SAND, trace gravel<br>1.3' – 1.9' – Fine-medium SAND, some roots | SW<br>SP | | | |
| | | | | EOB @ 6' bgs | | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track Mounted (rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | Approximately 5' bgs |
| OTHER OBSERVATIONS: | Phase II Old Flag Number 449 Former Landfill Area – Between soccer and baseball fields FID/PID = C |

Note:
Full Suite = SVOCs, Pesticides/PCBs, metals, dioxin, SPLP metals and PCBs, asbestos, and VOCs
PACM – Potential asbestos containing material

BORING NO.: 492A

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | BORING NO.: 493A |
| PROJECT NO.: | N1369 | | START DATE: 2/2/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 2/2/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | No samples collected from 0' - 4' bgs | | | | Refer to Boring Log Number 493 for soil profile details from 0-4' | | | |
| 1 | | | | | | | | | | |
| 2 | | | | | | | | | | |
| 3 | | | | | | | | | | |
| 4 | | | | | | | | | | |
| 5 | | 0.8' / 2.0' | SBP-SO-493A-0406 2/2/04 @ 1530 Screening and Screening DUP 27 2/2/04 @ 1535 | | Slightly Dense | Brown | 0' - 0.5' - Fine-medium SAND, trace fine gravel, trace glass | SP | Moist | PID=0.0 FID=35.2 |
| 6 | | | | | | Dark Brown | 0.5' - 0.8' - Fine SAND, some SILT | | | |
| 7 | | 0.9' / 2.0' | SBP-SO-493A-0608 Screening 2/2/04 @ 1540 | | | | Similar material to above | | | PID=0.0 FID=35.4 |
| 8 | | | | EOB @ 8'bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | Notes: | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | Phase II screening = Asbestos and Metals | |
| METHOD OF ROCK CORING: | N/A | FID failed PM check | |
| GROUNDWATER LEVELS: | Approximately 7.5'bgs | | |
| OTHER OBSERVATIONS: | Phase II FID=D PID= D Old Flag number 482 Former Landfill area – baseball field | BORING NO.: 493A | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | |
| PROJECT NO.: | N1369 | | |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | DH |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | | |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | |

| | |
|---|---|
| BORING NO.: | 493 |
| START DATE: | 12/19/03 |
| COMPLETION: DATE: | 12/19/03 |
| MON. WELL NO.: | N/A |
| CHECKED BY: | JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0' - 0.2' – Grass/roots | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 2.0' / 2.0' | SBP-SO-493-0002 Screening 12/19/03 @ 1235 | | Slightly Loose | Dark Red Gray | 0.2' - 0.8' - Silty fine SAND, trace roots<br>0.8' - 0.9' - Fine SAND, some silt | SM | Moist | PID=0.0<br>FID=20.6 |
| 1 | | | | | | Dark Brown | 0.9' - 1.9' - Silty fine-medium SAND, trace coarse sand, trace wood fragments | | | |
| 2 | | | | | — | Gray | 1.9' - 2.0' - Coarse GRAVEL | GP | Dry | |
| | | 1.6' / 2.0' | SBP-SO-493-0204 Screening 12/19/03 @ 1240 | | Slightly Loose | Yellow-Brown | 0' - 1.0' - Silty fine-coarse SAND, trace fine gravel | SM | Moist | PID=0.0<br>FID=7.5 |
| 3 | | | | | | | 1.0' - 1.2' - Silty fine SAND | | | |
| | | | | | Loose | Brown | 1.2' – 1.4' - Glass | Fill | Wet | |
| 4 | | | | | | Yellow-Brown | 1.4' - 1.6' - Highly decomposed newspaper | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID= A PID= A Flag number 482 Former Landfill area – beyond baseball field |

BORING NO.: 493

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | BORING NO.: 494 |
| PROJECT NO.: | N1369 | | START DATE: 12/19/03 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 12/19/03 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Grass Surface – baseball outfield | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 2' / 2' | SBP-SO-494-0002 Screening 12/19/03 @ 1210 | | Dense | Dark/Red Brown | Silty SAND, trace gravel, organic roots. Fine-medium sand mostly, trace coarse sand, fine gravel subrounded to ½" | SM/Fill | Grass/root plug = approximately 4" Wet surface | 0.0 | 0.0 |
| 1 | | | | | Loose | Tan-Gray | SAND, trace organic roots. Fine-medium sand mostly, poorly graded, trace organic roots, wood chunks (burned), seashells | SP/Fill | | 0.0 | 0.0 |
| | | | | | | | ↓ | ↓ | Damp | | |
| 2 | | | | | Denser | Brown | SAND, trace silt. Fine-medium sand, poorly graded, twigs | | More densely packed than above sand | 0.0 | 0.0 |
| | | 2' / 2' | SBP-SO-494-0204 Screening and Confirmation 12/19/03 @ 1215 | | ↓ | ↓ | ↓ | ↓ | Saturated sand | | |
| 3 | | | | | | | Burned pressed fiber board (approximately 5") | Fill | ↓ | 14 | 0.0 |
| | | | | | Loose | Tan-Gray | SAND. Fine-medium sand, poorly graded, seashells | SP/Fill | | 53 | 0.0 |
| 4 | | | | | ↓ | ↓ | ↓ | ↓ | | 0.0 | 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |
| | | | | | | | Downgrade to Level D - Plywoood movement approximately 15 min. | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 454 Former Landfill Area – Baseball outfield | BORING NO.: 494 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | BORING NO.: 495 |
| PROJECT NO.: | N1369 | | START DATE: 12/19/03 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 12/19/03 |
| DRILLED BY (Company/Driller): | AQUIFER DRILLING & TESTING/ Rob | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0' - 0.2' - Grass/roots | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.5' / 2.0' | SBP-SO-495-0002 Screening 12/19/03 @ 1255 | | Slightly Loose | Dark Red | 0.2' - 0.5' - Fine SAND, some silt, trace organics (roots) | SP | Moist | PID=0.0 FID=104.0 |
| 1 | | | | | Slightly Dense | Gray | 0.5' - 0.8' - Fine-medium SAND, trace shells, trace coarse sand | SW | | |
| | | | | | | Black | 0.8' - 1.5' - Fine-coarse SAND, trace silt, some charcoal, trace gravel | SW/Fill | | |
| 2 | | | | | | | | | Moist | |
| | | 1.7' / 2.0' | SBP-SO-495-0204 Screening 12/19/03 @ 1300 | | Dense | White | 0' - 0.3' - Coarse GRAVEL, (fractured) | GP | Dry | PID= 0.0 FID= 21.2 |
| 3 | | | | | Slightly Loose | Yellow-Brown | 0.3' - 0.7' - Silty fine SAND, some coarse sand, trace wood fragments | SM/Fill | Moist | |
| | | | | | | Gray | 0.7' - 1.7' - Fine-medium SAND, trace shells, trace fine gravel (rounded) | SP | | |
| 4 | | | | | | | | | Moist | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID= A PID= A Flag number 481 Former Landfill area – beyond baseball fields |

BORING NO.: 495

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 496 |
| PROJECT NO.: | N1369 | START DATE: | 1/5/04 |
| LOGGED BY: | J. Lambert | COMPLETION: DATE: | 1/5/04 |
| DRILLED BY (Company/Driller): | AQUIFER DRILLING & TESTING/ Rob Ullmann & S. Pryzbylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JD |
| TRANSCRIBED BY: | DH | | |
| ELEVATION FROM: | | | |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Top 0.2' - grass/roots (topsoil) | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.3' / 2.0' | SBP-SO-496-0002 Screening 1/5/04 @ 1320 | | | Dark Red | 0.2' - 0.8' - Silty fine-medium SAND, some coarse sand, trace gravel | SM | Moist | PID=2.9 FID=0.0 |
| 1 | | | | | | | | | | |
| | | | | | | Gray | 0.8' - 1.3' - Fine-coarse SAND and GRAVEL (angular-subangular gravel), trace charcoal fragments | SW/Fill | | |
| 2 | | | | | | | | | | |
| | | 1.4' / 2.0' | SBP-SO-496-0204 Screening and confirmation 1/5/04 @ 1325 | | | Dark Red | 0' - 0.2' - Silty fine-medium SAND | SM | | PID=0.0 FID=0.0 |
| 3 | | | | | | Gray | 0.2' - 1.4' - Fine-medium SAND, trace coarse sand, some shell fragments (coarse sand-sized) | SW | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4x4 mule - rig 1 | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | Note: | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | PID failed PM test | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I FID=A / PID=A Flag number 421 Former Landfill area – outside of baseball field | BORING NO.: 496 | PAGE: 1 OF 1 |

TtNUS Form 0018

BORING LOG FOR: Raymark OU9 RI/FS
PROJECT NO.: N1369
LOGGED BY: J. Lambert
DRILLED BY (Company/Driller): Aquifer Drilling & Testing/ Rob Ullmann and S. Pryzbylski
GRD. SURFACE ELEVATION:

TRANSCRIBED BY: DH
ELEVATION FROM:

BORING NO.: 497
START DATE: 1/5/04
COMPLETION: DATE: 1/5/04
MON. WELL NO.: N/A
CHECKED BY: JD

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | 0' - 0.2' - Grass/roots (topsoil) | | | |
| | | 1.3' / 2.0' | SBP-SO-497-0002 Screening 1/5/04 @ 1340 | | Slightly Dense | Dark Red | 0.2' - 1.0' - Silty fine-coarse SAND, trace rounded gravel, some organics (roots) | SM | Moist | PID=0.0 FID=0.0 |
| 1 | | | | | Dense | | | | | |
| | | | | | | Dark Gray | 1.0' - 1.3' - Fine-coarse SAND and GRAVEL, trace asphalt fragments | SW/Fill | | |
| 2 | | | | | | | | | | |
| | | 1.7' / 2.0' | SBP-SO-497-0204 Screening 1/5/04 @ 1345 | | | | 0' - 0.5' - Similar to above; 1" piece of dark green Chlorite-rich rock | | | PID=0.0 FID=0.0 |
| 3 | | | | | Slightly Dense | Gray | 0.5' - 1.7' - Fine-medium SAND, trace coarse sand, some shells (fragments) | SW | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4'bgs | | | | | | |

TYPE OF DRILLING RIG: GEOPROBE – 4x4 mule (rig 1)
METHOD OF ADVANCING BORING: DIRECT- PUSH
METHOD OF SOIL SAMPLING: MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals
METHOD OF ROCK CORING: N/A
GROUNDWATER LEVELS:
OTHER OBSERVATIONS: Phase I FID=A/PID= A PID failed pm check Flag number 422 Former Landfill area –outside of baseball fields

BORING NO.: 497

Tetra Tech NUS, Inc.



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 498 |
| PROJECT NO.: | N1369 | START DATE: | 1/5/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 1/5/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | 0' - 0.2' - Grass/roots | | | |
| | | 1.5' / 2.0' | SBP-SO-498-0002 Screening 1/5/04 @ 1357 | | | Dark Red | 0.2' - 0.8' - Silty fine SAND, trace coarse sand, trace fine gravel | SM | Moist | PID=0.0 FID=0.0 |
| 1 | | | | | | Dark Gray | 0.8' - 1.5' - Fine-coarse SAND and GRAVEL, some asphalt fragments | SW/Fill | | |
| 2 | | | | | | | | | | |
| 3 | | 1.5' / 2.0' | SBP-SO-498-0204 Screening 1/5/04 @ 1400 | | | Brown | 0' - 0.4' - Similar material to above | | | PID=0.0 FID=0.0 |
| | | | | | | | 0.4' - 0.8' - SILT, some fine sand also have fibers (long, slightly wavy, not needle like) | ML | | |
| 4 | | | | | | Gray | 0.8' - 1.5' - Fine-medium SAND, some shells | SP | | |
| | | | | EOB @ 4'bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4x4 mule (Rig 1) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID=A / PID= A PID failed pm check Flag number 423 Former Landfill area –outside of baseball fields |

BORING NO.: 498

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 499 |
| PROJECT NO.: | N1369 | START DATE: | 1/6/04 |
| LOGGED BY: | J. Lambert | COMPLETION: DATE: | 1/6/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JD |

TRANSCRIBED BY: DH

ELEVATION FROM:

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0' - 0.2' - Roots/leaf litter | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.4' / 2.0' | SBP-SO-499-0002 Screening 1/6/04 @ 0920 | | Slightly Loose | Brown | 0.2' - 0.5' - Silty fine-coarse SAND | SM | Moist | PID=0.0 FID=0.0 |
| 1 | | | | | | Red-Brown | 0.5' - 1.1' - GRAVEL, some sand and silt | GP | | |
| | | | | | | Yellow-Brown | 1.1' - 1.4' - Fine-coarse SAND and SILT | SM | | |
| 2 | | | | | | | | | | |
| | | 1.8' / 2.0' | SBP-SO-499-0204 Screening 1/6/04 @ 0925 | | | Brown | 0' - 0.6' - Fine-coarse SAND, some gravel, some silt | SW | | PID=0.0 FID=0.0 |
| 3 | | | | | | Yellow-Brown | 0.6' - 0.8' - Fine SAND, some silt, trace coarse sand | SP | | |
| | | | | | | Dark Gray | 0.8' - 1.0' - Fine-coarse SAND and GRAVEL, trace silt<br>1.0' - 1.8' - Fine-medium SAND | SW<br>SP | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID= B PID= B Flag number 355 Former Landfill area – Dorne Drive |

BORING NO.: 499

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | BORING NO.: 500 |
| PROJECT NO.: | N1369 | | START DATE: 1/5/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 1/5/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | & S. Pryzbylski | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0' - 0.2' - Grass/roots/topsoil | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.6' / 2.0' | SBP-SO-500-0002 Screening 1/5/04 @ 1425 | | Slightly Dense | Dark Red | 0.2' - 0.8' - Silty fine-medium SAND, trace shells | SM/Fill | Moist | PID=0.0 FID=0.0 |
| 1 | | | | | ↓ | Dark Brown | 0.8' - 0.9' - Silty fine sand, trace organics, pieces of aluminum foil | ↓ | | |
| | | | | | Slightly Loose | Gray | 0.9' - 1.6' - Fine-medium SAND, some shells | SP | | |
| 2 | | | | | | | ↓ | | | |
| | | 1.9' / 2.0' | SBP-SO-500-0204 Screening 1/5/04 @ 1430 | | | | 0' - 1.7' - Similar to above | | | PID=0.0 FID=0.0 |
| 3 | | | | | | | | | | |
| | | | | | ↓ | ↓ | | ↓ | PACM noted in sample | |
| 4 | | | | | Slightly Dense | Black | 1.7' - 1.9' - Soft, silt sized material-has fibers throughout possible asbestos | Fill | | |
| | | | | EOB @ 4' bgs | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4x4 mule (rig 1) | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | Note: | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | PACM = Potential asbestos containing material | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I FID=A / PID= A PID failed pm check Flag number 409 Former Landfill area – outside baseball field | BORING NO.: 500 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 501 |
| PROJECT NO.: | N1369 | START DATE: | 1/5/04 |
| LOGGED BY: | J. Lambert | COMPLETION: DATE: | 1/5/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/R. Ullmann/S. Prybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JD |

TRANSCRIBED BY: RAC

ELEVATION FROM:

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0' – 0.2' – Grass/topsoil/roots | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.7' / 2' | SBP-SO-501-0002 Screening 1/5/04 @ 1445 | | Slightly Loose | Dark Red | 0.2' – 0.4' – Silty fine SAND, some organics | SM | Moist | PID = 0.0 |
| 1 | | | | | | Brown | 0.4' – 0.6' – Fine-medium SAND, trace coarse sand | SW | | FID = 0.0 |
| | | | | | | Gray | 0.6' – 1.5' – Fine-medium SAND | SP | | |
| 2 | | | | | Slightly Dense | Black | 1.5' – 1.7' – Soft silty material, fibers (possible asbestos) throughout | Fill | PACM noted in sample | |
| | | 1.9' / 2' | SBP-SO-501-0204 Screening 1/5/04 @ 1450 | | | | 0' – 0.1' – Similar to above | | | PID = 0.0 |
| 3 | | | | | Slightly Loose | Gray | 0.1' – 0.9' – Fine-medium SAND, trace shells | SP | | FID = 0.0 |
| | | | | | Slightly Dense | Black | 0.9' – 1.9' – Soft, silty material, fibers throughout. Sample taken from this layer only | Fill | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Mule (4 X 4) Rig 1 | Notes: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | PACM – Potential asbestos containing material | |
| METHOD OF ROCK CORING: | N/A | PID failed pm check | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 769 Former Landfill Area – Beyond baseball fields FID/PID = A | BORING NO.: 501 | PAGE: 1 OF 1 |

TINUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 501A |
| PROJECT NO.: | N1369 | START DATE: | 1/26/04 |
| LOGGED BY: | J. Lambert | COMPLETION: DATE: | 1/26/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/R. Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JD |
| TRANSCRIBED BY: | RAC | | |
| ELEVATION FROM: | | | |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | SBP-SO-501A-0002 | | | | Refer to Boring Log Number 501 for soil profile details from 0' – 4' bgs | | | |
| | | | Full Suite, less dioxin and SPLP - 1/26/04 @ 1230 | | | | | | | |
| 2 | | | DUP 04 @1235 | | | | | | | |
| | | | SBP-SO-501A-0204 | | | | | | | |
| | | | Full Suite, waste only - DAS | | | | | | | PID = 0.0 |
| 4 | | | 1/26/04 @ 1310 | | | | | | | FID = 0.7 |
| | | 1.6' / 2' | SBP-SO-501A-0406 | | Slightly Loose | Dark Brown | 0' – 1.0' – Fine sandy SILT, some PACM (fibers) throughout | Fill | Moist | |
| | | | Full Suite, less dioxin and SPLP | | | | | | PACM noted in sample | PID = 0.0 |
| 5 | | | 1/26/04 @ 1330 | | | | | | | FID = 97.3 |
| | | | | | | | 1.0' – 1.2' – Similar to above, less PACM | | | |
| 6 | | | | | | | 1.2' – 1.3' – Silty fine-medium SAND<br>1.3' – 1.6' – Fine sandy SILT, some organics | SM<br>OL | | |
| | | 0.6' / 2' | SBP-SO-501A-0608 | | | | Fine to coarse SAND, some silt | SW | Wet | |
| | | | Full Suite, less dioxin and SPLP | | | | | | | PID = 0.0 |
| 7 | | | 1/26/04 @ 1430 | | | | | | | FID = 1100 |
| | | | | | | | | | | |
| 8 | | | | | | | | | | |
| | | | | EOB @ 8' bgs | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track Mounted (rig 2) | Note: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | Full Suite = SVOCs, Pesticides/PCBs, metals, dioxin, SPLP metals and PCBs, asbestos, and VOCs | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | PACM = Potential asbestos containing material | |
| GROUNDWATER LEVELS: | Approximately 7.5 bgs | | |
| OTHER OBSERVATIONS: | Phase II Old Flag Number 769 Former Landfill Area – Area by soccer field and golf coarse FID/PID = F | BORING NO.: 501A | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 502 |
| PROJECT NO.: | N1369 | START DATE: | 1/5/04 |
| LOGGED BY: | J. Lambert | COMPLETION: DATE: | 1/5/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JD |

TRANSCRIBED BY: DH

ELEVATION FROM:

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0' - 0.2' - Grass/roots | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.5' / 2.0' | SBP-SO-502-0002 Screening 1/5/04 @ 1455 | | Slightly Dense | Dark Red | 0.2' - 0.4' - Silty fine SAND, trace coarse sand | SM | Moist | PID=0.0 FID=0.0 |
| 1 | | | | | Slightly Loose | Brown | 0.4' - 0.6' - Fine-medium SAND, trace gravel (rounded) | SP | | |
| | | | | | | | | | | |
| 2 | | | | | | Gray | 0.6' - 1.5' - Fine-medium SAND, some shell fragments | | | |
| | | 1.9' / 2.0' | SBP-SO-502-0204 Screening 1/5/04 @ 1500 | | | Brown | 0' - 0.1' - Similar to above<br>0.1' - 0.2' - Silty fine SAND | SM | | PID=0.0 FID=0.0 |
| 3 | | | | | | Gray | 0.2' - 0.8' - Fine-medium SAND, some shell fragments | SP | | |
| | | | | | Slightly Dense | Dark Brown | 0.8' - 1.0' - Silty pad like material, fibers (possible asbestos) throughout - PACM | Fill | PACM noted in sample | |
| 4 | | | | | Slightly Loose | Gray | 1.0' - 1.9' - Fine-medium SAND, some shells | SP | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4x4 mule (rig 1) | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | Note: | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | PACM = Potential asbestos containing material | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I FID=A / PID=A PID failed pm check Flag number 385 Former Landfill area – outside baseball fields | BORING NO.: 502 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 503 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/5/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 1/5/04 |
| DRILLED BY (Company/Driller): | AQUIFER DRILLING & TESTING/ Rob | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | & S. Pryzbylski | ELEVATION FROM: | | CHECKED BY: | JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0' - 0.2' - Grass/roots | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.4' / 2.0' | SBP-SO-503-0002 Screening 1/5/04 @ 1505 | | Slightly Dense | Dark Red | 0.2' - 0.3' - Silty fine-medium SAND | SM | Moist | PID=0.0 FID=0.0 |
| 1 | | | | | Slightly Loose | Gray | 0.3' - 1.3' - Fine-medium SAND, trace rounded-subrounded gravel, trace shell fragments | SP | | |
| | | | | | | | | | | |
| 2 | | | | | Slightly Dense | Dark Brown | 1.3' - 1.4' - Fine sandy SILT, trace organics | ML | | |
| | | 1.6' / 2.0' | SBP-SO-503-0204 Screening and Confirmation 1/5/04 @ 1510 | | | Black | 0' - 0.4' - SILT, some fibers (possible asbestos) | Fill | PACM noted in sample | PID=0.0 FID=30.0 |
| 3 | | | | | Slightly Loose | Gray | 0.4' - 0.9' - Fine-medium SAND, trace shells | SM | | |
| | | | | | | | 0.9' - 1.6' - Fine-medium SAND, trace charcoal | SM/Fill | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4x4 mule (rig 1) | Notes: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | PACM = Potential asbestos containing material | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | |
| METHOD OF ROCK CORING: | N/A | PID failed PM check | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I FID=A PID= A Flag number 768 Former Landfill area – outside of baseball field | BORING NO.: 503 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 504 |
| PROJECT NO.: | N1369 | START DATE: | 1/5/04 |
| LOGGED BY: | J. Lambert | COMPLETION: DATE: | 1/5/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/R. Ullmann/S. Prybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JD |

TRANSCRIBED BY: RAC

ELEVATION FROM:

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0' -0.1' – Grass/roots | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.6' / 2' | SBP-SO-504-0002 Screening 1/5/04 @ 1530 | | Slightly Loose | Brown | 0.1' – 0.3' – Fine sandy SILT, some organics | ML | Moist | PID = 0.0 |
| 1 | | | | | ↓ | Gray | 0.3' – 0.6' – Fine-medium SAND | SP | | FID = 20.1 |
| | | | | | Slightly Dense | Brown/ Black | 0.6' - 1.0' – SILT, some fine to coarse sand, trace charcoal | ML | | |
| 2 | | | | | ↓ | Dark Brown | 1.0' – 1.6' – Fine to coarse SAND, some silt, some organics (roots, wood pieces) | SW | | |
| | | 1.8' / 2' | SBP-SO-504-0204 Screening 1/5/04 @ 1535 | | Slightly Loose | Gray Brown | 0' – 0.3' – Fine-medium SAND, trace organics<br>0.3' – 0.4' – Silty fine-medium SAND | SP<br>SM | | PID = 0.0 |
| 3 | | | | | | Gray | 0.4' – 0.5' – Fine-medium SAND, trace coarse sand | SW | | FID = 0.0 |
| | | | | | | | 0.5' – 1.5' – Fine to coarse SAND, trace glass | SW/Fill | | |
| 4 | | | | | | Dark Gray | 1.5' – 1.6' – Fine sandy SILT<br>1.6' – 1.8' – Fine-medium SAND | ML<br>SP | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule (rig 1) | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | Note: | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | PID failed pm check | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 767 Former Landfill Area – Edge of golf course FID/PID = A | BORING NO.: 504 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 504A |
| PROJECT NO.: | N1369 | | | START DATE: | 1/26/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | RAC | COMPLETION: DATE: | 1/26/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/R. Ullmann | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JD |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | NA | | | | | | | | | |
| | | | SBP-SO-504A-0002 Full Suite, less dioxin and SPLP 1/26/04 @ 1545 | | | | Refer to Boring Log Number 504 for soil profile details from 0' – 4' bgs | | | |
| 2 | | | | | | | | | | |
| | | | SBP-SO-504A-0204 Full Suite, less dioxin and SPLP 1/26/04 @ 1615 | | | | | | | |
| 4 | | | | | | | | | | |
| | | 1.0' / 2' | SBP-SO-504A-0406 Full Suite, less dioxin and SPLP 1/26/04 @ 1630 | | | Tan | 0' – 0.1' – Fine to coarse SAND, dark brown lens of fine sand at 0.08' | SW | Moist Petroleum odor | PID = 0.0 |
| 5 | | | | | | | 0.1' – 1.0' – Silty fine-medium SAND, trace rounded gravel, trace glass | SM/Fill | | FID = 194.8 |
| | | | | | | | | | Wet from 0.5' – 1.0' | |
| 6 | | | | | | | | | | |
| | | | | EOB @ 6' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track Mounted (rig 2) | Note: Full Suite = SVOCs, Pesticides/PCBs, metals, dioxin, SPLP metals and PCBs, asbestos, and VOCs | *Tetra Tech NUS, Inc.* |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Approximately 5.5 bgs | | |
| OTHER OBSERVATIONS: | Phase II Old Flag Number 767 Former Landfill Area – Golf course (edge of soccer field) FID/PID = F | BORING NO.: 504A | PAGE: 1 OF 1 |

T1NUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 505 |
| PROJECT NO.: | N1369 | START DATE: | 1/5/04 |
| LOGGED BY: | J. Lambert | COMPLETION: DATE: | 1/5/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann & S. Pryzbylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JD |
| TRANSCRIBED BY: | DH | | |
| ELEVATION FROM: | | | |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0 - 0.2' - Grass/roots | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.7' / 2.0' | SBP-SO-505-0002 Screening 1/5/04 @ 1545 | | Slightly Dense | Dark Red | 0.2' - 0.5' - Silty fine SAND, some organics (roots) piece of charcoal | SM/Fill | Moist | PID=0.0 FID=0.0 |
| 1 | | | | | Slightly Loose | Gray | 0.5' - 1.4' - Fine-medium SAND, trace shell fragments | SP | | |
| | | | | | Slightly Dense | Black | 1.4' - 1.7' - Soft silty material; fibers throughout (possible asbestos) | Fill | PACM noted in sample | |
| 2 | | | | | | | | | | |
| | | 1.7' / 2.0' | SBP-SO-505-0204 Confirmation 1/5/04 @ 1550 | | | | 0' - 1.2' - Similar to above, some wood fibers | | PACM noted in sample | PID=0.0 FID=0.0 |
| 3 | | | | | | Dark Brown | 1.2' - 1.7' - Silty fine SAND, some organics (roots) | SM | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4x4 mule (rig 1) | Notes: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | PACM= Potential asbestos containing material | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | PID Failed PM check | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I FID=A PID= A Flag number 411 Former Landfill area – outside baseball field | BORING NO.: 505 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 506 |
| PROJECT NO.: | N1369 | START DATE: | 1/5/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/5/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/Rob Ullmann/S. Pryzbyski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | NA | | | | | | 0' - 0.2' - Grass/roots | | | |
| | | 1.6' / 2' | SBP-SO-506-0002 Screening 1/5/04 @ 1600 | | Slightly Dense | Dark Red | 0.2' - 0.3' – Silty fine SAND, some organics (roots) | SM | Moist | PID = 0.0 |
| 1 | | | | | | | 0.3 – 0.4' – Silty fine SAND, some coarse sand, trace gravel | | | FID = 228.7 |
| | | | | | | Brown | 0.4' – 0.5' – Fine to coarse SAND and GRAVEL | SW | | |
| | | | | | | Dark Red | 0.5' – 0.9' – Fine silty SAND, trace coarse sand | SM | | |
| 2 | | | | | Slightly Loose | Brown Gray | 0.9' – 1.1' – Fine SAND, some silt<br>1.1' – 1.6' – Fine-medium SAND, some shells | SP | | |
| | | 1.5' / 2' | SBP-SO-506-0204 Screening 1/5/04 @ 1605 | | | | 0' – 0.7' – Similar to above | | | PID = 0.0 |
| 3 | | | | | | Gray Brown | 0.7' – 0.8' – Fine-medium SAND and SHELLS | | | FID = 861.0 |
| | | | | | | Gray | 0.8' – 1.2' – Fine-medium SAND, trace shell fragments | | | |
| 4 | | | | | | Black | 1.2' – 1.5' – Silt, some organics (reeds), fibers (possible asbestos) throughout | Fill | PACM noted in sample | |
| | | | | EOB @ 4' bgs | | | | | Approximately 1 foot of water in liner | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule (rig 1) | Note: | *Tetra Tech NUS, Inc.* |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | PACM = Possible asbestos containing material | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 770 Former Landfill Area – Beyond Baseball fields FID/PID = A PID failed pm check | BORING NO.: 506 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 506A |
| PROJECT NO.: | N1369 | | | START DATE: | 1/23/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | RAC | COMPLETION: DATE: | 1/23/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/Rob Ullmann | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JD |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | SBP-SO-506A-0002 Full Suite, less dioxin and SPLP - 1/23/04 @ 0830 DUP 03 1/23/04 @ 0835 | | | | Refer to Boring Log Number 506 for soil profile details from 0' – 4' bgs | | | |
| 1 | | | | | | | | | | |
| 2 | | | | | | | | | | |
| 3 | | | SBP-SO-506A-0204 Full Suite, less dioxin and SPLP 1/23/04 @ 0845 | | | | | | | |
| 4 | | | | | | | | | | |
| 5 | | 1.4' / 2' | SBP-SO-506A-0406 Full Suite, less dioxin and SPLP 1/23/04 @ 0920 | | Slightly Loose | Dark Brown | 0' – 0.4' – Silty fine-medium SAND, trace gravel<br>0.4' – 0.6' – Fine to coarse SAND, some gravel, trace silt | SM<br>SW | Moist | PID = 0.0 |
| | | | | | Slightly Dense | Gray | 0.6' – 0.7' – Fine to coarse SAND and GRAVEL, fractured (subrounded) | | | FID = 0.0 |
| 6 | | | | | Slightly Loose | Brown | 0.7' – 1.4' – Fine-medium SAND, trace coarse sand | | | |
| 7 | | 0.9' / 1.5' | SBP-SO-506A-0608 Full Suite, less dioxin and SPLP 1/23/04 @ 1020 | | Slightly Dense | | 0' – 0.6' – Fine to coarse SAND, trace gravel (subangular – subrounded) | | | PID = 0.0 |
| | | | | | | Black | 0.6' – 0.9' – Fine sandy SILT, some wood fragments, trace concrete fragments | | | FID = 176.0 |
| 8 | | | | | | | | ML/Fill | Wet | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track – mounted (rig 2) | Note: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | Full Suite = SVOCs, Pesticides/PCBs, metals, dioxin, SPLP metals and PCBs, asbestos, and VOCs | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | PACM = Potential asbestos containing material | |
| GROUNDWATER LEVELS: | Approximately 7' bgs | | |
| OTHER OBSERVATIONS: | Phase II Old Flag Number 770 Former Landfill Area – area outside of baseball field FID/PID = F | BORING NO.: 506A | PAGE: 1 OF 2 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 506A |
| PROJECT NO.: | N1369 | | | START DATE: | 1/23/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | RAC | COMPLETION: DATE: | 1/23/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/Rob Ullmann | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JD |

| DEPTH (FEET) 8 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 0.8' / 2' | SBP-SO-506A-0810 Full Suite, less dioxin and SPLP 1/23/04 @ 1130 | | Slightly Dense | Black | 0' – 0.6' – Silty fine-medium SAND, some organics (wood fragments) | SM/Fill | Wet | PID = 0.0 |
| 9 | | | | | | | 0.6' – 0.8' – WOOD (hard drilling) | Fill | | FID = 156.1 |
| | | | | | | | | | | |
| 10 | | | | | | | | | | |
| | | | | EOB @ 10' bgs | | | | | | |

| | | | | |
|---|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track – mounted (rig 2) | Note: Full Suite = SVOCs, Pesticides/PCBs, metals, dioxin, SPLP metals and PCBs, asbestos, and VOCs | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples in 2' intervals | | | |
| METHOD OF ROCK CORING: | N/A | PACM = Potential asbestos containing material | | |
| GROUNDWATER LEVELS: | Approximately 7' bgs | | | |
| OTHER OBSERVATIONS: | Phase II Old Flag Number 770 Former Landfill Area – area outside of baseball field FID/PID = F | | BORING NO.: 506A | PAGE: 2 OF 2 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 507 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/5/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 1/5/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann & S. Pryzbylski | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0' - 0.2' - Grass/roots | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.7' / 2.0' | SBP-SO-507-0002 Screening 1/5/04 @ 1610 | | Slightly Dense | Dark Red | 0.2' - 0.6' - Silty fine SAND, some organics (roots) trace coarse sand | SM | Moist | PID=0.0 FID=0.0 |
| 1 | | | | | | | 0.6' - 0.8' - Gravelly fine-coarse SAND, some silt | SW | | |
| | | | | | | Black | 0.8' - 1.2' - Fine-coarse SAND, some asphalt fragments | SW/Fill | | |
| 2 | | | | | Loose | Dark Red Black | 1.2' - 1.3' - Fine silty SAND 1.3' - 1.7' - Silty fine-medium SAND | SM | Wet Moist | |
| | | 1.6' / 2.0' | SBP-SO-507-0204 Screening 1/5/04 @ 1615 | | Slightly Loose | Gray | Fine-medium SAND, trace shells (fragments) | SP | | PID=0.0 FID=0.0 |
| 3 | | | | | | | | | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4x4 mule (rig 1) | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | Note: | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | |
| METHOD OF ROCK CORING: | N/A | PID failed PM check | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I FID= A / PID= A Flag number 384 Former Landfill area – between baseball and soccer fields | BORING NO.: 507 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 508 |
| PROJECT NO.: | N1369 | START DATE: | 1/6/04 |
| LOGGED BY: | J. LAMBERT | COMPLETION DATE: | 1/6/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JD |

TRANSCRIBED BY: DH

ELEVATION FROM:

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0' - 0.4' - Asphalt (not in macrocore) | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 0.9' / 2.0' | SBP-SO-508-0002 Screening 1/6/04 @ 0945 | | Slightly Dense | Yellow-Brown | 0' - 0.7' - Silty fine-medium SAND, trace coarse sand | SM | Moist | PID=0.0 FID=0.0 |
| 1 | | | | | | White/Gray | 0.7' - 0.9' - Coarse GRAVEL (subangular) | GP | | |
| 2 | | | | | | | | | | |
| | | 1.3' / 2.0' | SBP-SO-508-0204 Screening 1/6/04 @ 0950 | | | Green-Brown | 0' - 0.5' - Silty fine-coarse SAND | SM | | |
| 3 | | | | | Slightly Loose | Pink | 0.5' - 0.6' - Pulverized crystalline red/pink material (looks like candy or red glass) | Fill | Dry | |
| | | | | | Slightly Dense | Dark Green-Gray | 0.6' - 0.8' - Fine SAND, some silt | SP | | |
| 4 | | | | | | Green-Gray | 0.8' - 1.3' - Fine-medium SAND, trace fine gravel (angular- subangular) | | | |
| | | | | EOB@ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID= B PID=B Flag number 337 Former Landfill area – Dorne Drive |

BORING NO.: 508

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 508A |
| PROJECT NO.: | N1369 | | | START DATE: | 1/28/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: | RAC | COMPLETION: DATE: | 1/28/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/M. Sarro | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | SBP-SO-508A-0002<br>No samples for analysis 0' – 2' | | | | Refer to Boring Log number 508 for soil profile descriptions from 0' – 4' | | | * |
| 2 | | | | | | | | | | |
| 4 | | | SBP-SO-508A-0204<br>No samples for analysis 2' – 4' | | | | | | | |
| | | 0.8' / 2' | SBP-SO-508A-0406<br>Screening<br>1/28/04 @ 1550 | | Dense | Gray | Bentonite plug (former location) | | Intercepted abandonment material (0.5' bentonite) at 4' – 4.5' (advanced same hole) | |
| 6 | | | | | | Black | SILTY SAND, trace gravel, fine-medium sand, poorly graded, coarse gravel subrounded to 1.5", wood chunks, metal, glass, plastic, paint chips, paint brush bristles, organic roots, reeds, twigs | SM/Fill | Damp<br>Poor recovery below bentonite plug | FID = 2.3<br>PID = 7.2<br>FID = 0.7<br>PID = 3.8 |
| 8 | | 0.7' / 2' | SBP-SO-508A-0608<br>Screening<br>1/28/04 @ 1610 | EOB @ 8' bgs | | Brown - Black | SILT, trace sand, trace gravel. Fine-medium sand, poorly graded, fine gravel subrounded to ½", paint waste, paint brush bristles, glass shards, plastic, metal, wood<br>EOB @ 8' bgs – Backfill with bentonite chips (8'-0.25') and cold patch (0.25'-0') | | Saturated<br>Petroleum odor<br>Stained black?<br>Poor recovery due to nature of fill, especially paint residue (sticky) | No readings |

No macrocores 0-4'

1 sleeve

1 sleeve

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – LT 54 |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH TECHNIQUE |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous sampling in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | Approximate 7 – 7.5' bgs reported by driller |
| OTHER OBSERVATIONS: | Phase II Flag Number 337 Former Landfill Area – sidewalk along Dorne across from parking lot entrance |

Note:
* = No samples from 0' – 4' – no PID/FID readings

BORING NO.: 508A

*Tetra Tech NUS, Inc.*

PAGE: 1 OF 1

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 509 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/6/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: | RAC | COMPLETION: DATE: | 1/6/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Grass Surface – soccer field | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.5' / 2' | SBP-SO-509-0002 Screening 1/6/04 @ 0930 | | Loose | Brown | Silty SAND, trace gravel. Fine-medium sand, poorly graded, angular coarse gravel to 1", organic roots | SM/Fill | Grass/root plug = approximately 3" | 0.0 | 0.0 |
| 1 | | | | | | White | GRAVEL – trap rock, crushed stone layer, coarse gravel or rock fragments to 1.5", burned/charred wood | Fill | | | |
| | | | | | | | | | Trap rock fill | 0.0 | 0.0 |
| 2 | | | | | | | | | | | |
| | | 1.5' / 2' | SBP-SO-509-0204 Screening 1/6/04 @ 0945 | | | Tan-Gray | GRAVEL, some sand. Mostly coarse gravel or rock fragments to 2". Fine sand, well graded, some fine gravel subangular to ½" | | Trap rock fill Angular gravels | 0.0 | 0.0 |
| 3 | | | | | | | | | | | |
| | | | | | | Brown | SAND, trace gravel. Fine-medium sand, trace coarse sand, poorly graded, fine gravel subrounded to ¼" | SP | Damp sand | | |
| 4 | | | | | | | | | | 0.0 | 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I Flag Number 771 Former Landfill Area – Soccer Field |

BORING NO.: 509

Tetra Tech NUS, Inc.



TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 510 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/6/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 1/6/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JD |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | 0' - 0.2' - Grass/roots | | | |
| | | 1.4' / 2.0' | SBP-SO-510-0002 Screening 1/6/04 @ 1015 | | Slightly Loose | Brown | 0.2' - 0.5' - Silty fine-medium SAND, some organics, trace subrounded -rounded gravel | SM | Wet | PID=0.0 FID=0.0 |
| 1 | | | | | | Black | 0.5' - 0.6' - Fine-coarse SAND, and SLAG (fine-gravel-sized) | SW/Fill | | |
| | | | | | | Brown | 0.6' - 0.7' - Fine-medium SAND, some wood fibers | SP | | |
| 2 | | | | | | Light Brown<br>Brown | 0.7' - 0.9' - Fine-coarse SAND and GRAVEL<br>0.9' - 1.4' - Silty fine-medium SAND, some silt | SW<br>SP | Moist | |
| | | 1.2' / 2.0' | SBP-SO-510-0204 Screening 1/6/04 @ 1020 | | | Gray-Green<br>Black | 0' - 0.7' - Fine-medium SAND, trace coarse sand<br>0.7' - 0.9' - Silty fine SAND, some glass | SW<br>SM/Fill | Wet | PID=0.0 FID=0.0 |
| 3 | | | | | | Gray-Green | 0.9' - 1.0' - Silty fine SAND | | | |
| | | | | | | Black | 1.0' - 1.2' - Silty fine-medium SAND, some wood fragments, some metal fragments (possible part of tin can), plastic, glass | | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | | | |
|---|---|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (rig 2) | | | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | | | |
| METHOD OF ROCK CORING: | N/A | | | | |
| GROUNDWATER LEVELS: | | | | | |
| OTHER OBSERVATIONS: | Phase I FID= B PID= B Flag number 331 Former Landfill area – Dome Drive | | | BORING NO.: 510 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 511 |
| PROJECT NO.: | N1369 | START DATE: | 1/6/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/6/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | NA | | | | | | Grass Surface – soccer field | | | | |
| | | 2' / 2' | SBP-SO-511-0002 Screening 1/6/04 @ 0950 | | Dense | Brown | Silty SAND, trace gravel. Fine-medium sand, poorly graded, 1 piece coarse subangular gravel to 2" | SM/Fill | Grass/root plug = approximately 3" Damp | 0.0 | 0.0 |
| 1 | | | | | | | | | | | |
| | | | | | Loose | Dark Gray | GRAVEL FILL. Fine-coarse sand, well graded. Angular gravels or rock fragments, fine and coarse ½" to 2" | Fill/GW | Trap rock fill | 0.0 | 0.0 |
| 2 | | | | | | | | | | | |
| | | 2' / 2' | SBP-SO-511-0204 Screening 1/6/04 @ 0955 | | | | | | | 0.0 | 0.0 |
| 3 | | | | | | Brown - Gray | Quartz rock layer, crushed stone | | | | |
| | | | | | | | | | | | |
| 4 | | | | | | | Coarse gravels only, similar to above | | Wet at bottom of sleeve | 0.0 | 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I Flag Number 773 Former Landfill Area – Soccer Field FID = A / PID = C |

BORING NO.: 511

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 512 |
| PROJECT NO.: | N1369 | START DATE: | 1/6/04 |
| LOGGED BY: | K. Jalkut | COMPLETION: DATE: | 1/6/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JL |
| TRANSCRIBED BY: | RAC | | |
| ELEVATION FROM: | | | |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Grass Surface – soccer field | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.7' / 2' | SBP-SO-512-0002 Screening 1/6/04 @ 1015 | | Dense | Brown | Silty SAND, trace gravel. Mostly fine-medium sand, poorly graded, trace coarse gravel subangular to ½", roots | SM/Fill | Grass/root plug = approximately 3" Damp | 0.0 | 0.0 |
| 1 | | | | | | | | | | | |
| | | | | | Loose | Dark Gray | FILL, angular gravels to 2", glass shards, concrete pieces. Fine to coarse sand, well graded. | Fill/GW | Possible trap rock fill (rusted stone, rock fragments) | 0.0 | 0.0 |
| 2 | | | | | | | | | | | |
| | | 1.8' / 2' | SBP-SO-512-0204 Screening 1/6/04 @ 1020 | | | | | | | | |
| 3 | | | | | | | Fine and coarse ROCK FRAGMENTS or GRAVEL pieces, including quartz pebble fragments | | Damp | 0.0 | 0.0 |
| | | | | | Dense | Black | SAND, some organic roots/reeds/fibers. Fine-medium sand, poorly graded | SP/Fill | Organic odor | 181 | 0.0 |
| 4 | | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I Flag Number 774 Former Landfill Area – Soccer Field FID = A / PID = C |

BORING NO.: 512

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 513 |
| PROJECT NO.: | N1369 | START DATE: | 1/6/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/6/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Grass Surface – soccer field | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.5' / 2' | SBP-SO-513-0002 Screening 1/6/04 @ 1030 | | Dense | Brown | Silty SAND, trace gravel. Mostly fine-medium sand with silt, poorly graded, 1 piece coarse gravel subangular to ¼", organic roots | SM/Fill | Grass/root plug = approximately 2.5" Damp | 0.0 | 0.0 |
| 1 | | | | | | | | | | | |
| | | | | | Loose | Gray - Tan | GRAVEL, some sand. Mostly coarse gravel or rock fragments, subangular to angular, crushed stone, fine-coarse sand, well graded | GW/Fill | Trap rock fill Gravel fill | | |
| 2 | | | | | | | | | | 0.0 | 0.0 |
| | | 2' / 2' | SBP-SO-513-0204 Screening and Confirmation 1/6/04 @ 1035 | | | | | | | | |
| 3 | | | | | | | | | | 0.0 | 0.0 |
| | | | | | | | | | Damp | | |
| 4 | | | | | Dense Loose | Red-Brown Black | Silty SAND. Fine-medium sand, organic roots SAND. Fine-medium sand organic roots | SM/Fill SP/Fill | | 15.5 | 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I Flag Number 777 Former Landfill Area – Soccer Field |

BORING NO.: 513

Tetra Tech NUS, Inc.



TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 514 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/6/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 1/6/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0' - 0.1' - Leaf litter | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.1' / 2.0' | SBP-SO-514-0002 Screening 1/6/04 @ 1045 | | Slightly Loose | Dark Red | 0.1' - 0.3' - Brick/paving stone fragments | Fill | Dry | PID=0.0 FID=0.0 |
| 1 | | | | | | | 0.3' - 0.8' - Silty fine-coarse SAND and brick/paving stone fragments | SM/Fill | Moist | |
| | | | | | | | | | | |
| 2 | | | | | Slightly Dense | Yellow-Brown | 0.8' - 1.1' - Silty fine-medium SAND | SM | | |
| | | 1.0' / 1.5' | SBP-SO-514-0204 Screening 1/6/04 @ 1050 | | Slightly Loose | | 0' - 0.7' - Fine-coarse SAND, trace silt | SW | | PID=0.0 FID=0.0 |
| 3 | | | | | | White | 0.7' - 0.8' - GRAVEL (angular) | GP | Dry | |
| | | | | | Slightly Dense | Dark Brown | 0.8' - 1.0' - Silty fine SAND | SM | Moist | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 3.5' bgs | | | Refusal at 3.5' – enough recovery to be OK | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID=B PID= B Flag number 376 Former Landfill area – Dome Drive |

BORING NO.: 514

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 515 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/6/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: | RAC | COMPLETION: DATE: | 1/6/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | NA | | | | | | Grass Surface – soccer field | | | | |
| | | 1.6' / 2' | SBP-SO-515-0002 Screening 1/6/04 @ 1045 | | Dense | Brown | Silty SAND, trace gravel. Mostly fine-medium sand, silt, 1 piece coarse subrounded gravel to 1", organic roots | SM/Fill | Grass/root plug = approximately 3" Damp | 0.0 | 0.0 |
| 1 | | | | | | | | | | | |
| | | | | | Loose | Tan - Gray | Crushed STONE/GRAVEL/ROCK FRAGMENTS. Fine to coarse gravel subangular to angular ½" to 1 ½". Fine to coarse sand, well graded | GW/Fill | Trap rock fill or gravel fill | 0.0 | 0.0 |
| 2 | | | | | | | | | | | |
| | | 2' / 2' | SBP-SO-515-0204 Screening 1/6/04 @ 1050 | | | | | | | | |
| 3 | | | | | | | | | | 0.0 | 0.0 |
| | | | | | | | | | | | |
| 4 | | | | | | | | | Damp | | |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I Flag Number 408 Former Landfill Area – Soccer Field |

BORING NO.: 515

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 516 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/6/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 1/6/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0' - 0.1' - Roots/leaf litter | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.1' / 2.0' | SBP-SO-516-0002 Screening 1/6/04 @ 1105 | | Slightly Loose | Dark Red Brown | 0.1' - 0.2' - Brick/paving stone piece<br>0.2' - 0.5' - Silty fine-coarse SAND, some angular gravel | Fill<br>SM | Dry | PID=0.0<br>FID=0.0 |
| 1 | | | | | | Dark Red | 0.5' - 0.8' - Silty fine-coarse SAND and brick/paving stone fragments | | Moist | |
| | | | | | | Black | 0.8' - 1.0' - SLAG and fine-coarse SAND, some silt | Fill | | |
| 2 | | | | | | Yellow-Brown | 1.0' - 1.1' - Fine-coarse SAND, trace silt | SW | | |
| | | 1.7' / 2.0' | SBP-SO-516-0204 Screening and Confirmation 1/6/04 @ 1110 | | Slightly Dense | Dark Red | 0' - 0.3' - Fine-medium SAND, trace silt | SP | | PID=0.0<br>FID=0.0 |
| 3 | | | | | Slightly Loose | Yellow-Brown | 0.3' - 0.6' - Fine SAND, trace coarse sand, trace gravel | | | |
| | | | | | | Dark Brown | 0.6' - 1.0' - Fine-medium SAND, trace coarse sand, trace silt | SW/Fill | | |
| 4 | | | | | | Black | 1.0' - 1.7' - Fine-coarse SAND, trace gravel, some silt, stained wood pieces | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | | | |
|---|---|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) | | | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | | | |
| METHOD OF ROCK CORING: | N/A | | | | |
| GROUNDWATER LEVELS: | | | | | |
| OTHER OBSERVATIONS: | Phase I FID=B PID= B | Flag number 401 | Former Landfill area – Dorne Drive | BORING NO.: 516 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 516A |
| PROJECT NO.: | N1369 | | | START DATE: | 1/29/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 1/29/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | No samples Collected from 0' - 4' bgs | | | | Refer to Boring Log Number 516 for soil profile details from 0-4' | | | |
| 1 | | | | | | | | | | |
| 2 | | | | | | | | | | |
| 3 | | | | | | | | | | |
| 4 | | | | | | | | | | |
| 5 | | 1.8' / 2.0' | SBP-SO-516A-0406 Screening and confirmation 1/29/04 @ 1015 | | Slightly Dense | Dark Brown | 0' - 0.9' - Silty fine SAND, trace sub-angular gravel | SM | Moist | PID=0.0 FID=7.2 |
| | | | | | | Dark Gray | 0.9' - 1.2' - Fine SAND, some medium sand, trace plastic | SP/Fill | | |
| 6 | | | | | | Dark Brown | 1.2' - 1.8' - Silty fine-medium SAND, some wood and glass fragments | SM/Fill | | |
| 7 | | 0.9' / 2.0' | SBP-SO-516A-0608 Screening 1/29/04 @ 1025 | | | | 0' - 0.1' - Aluminum foil and glass, trace soil | Fill | | PID=300.4 FID=0.0 |
| | | | | | | Dark Gray-Brown | 0.1' - 0.3' - Fine-medium SAND, trace silt | SP | | |
| 8 | | | | EOB @ 8' bgs | | Black | 0.3' - 0.9' - Silty fine-medium SAND, trace gravel | SM | Organic odor Wet | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | Note: | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | Phase II Screening = Asbestos and Metals | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Approximately 7.5' bgs | | |
| OTHER OBSERVATIONS: | Phase II FID= B PID= B Old Flag number 401 Former Landfill area – Dom Drive | BORING NO.: 516A | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 517 |
| PROJECT NO.: | N1369 | START DATE: | 1/6/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/6/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO.- (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | NA | | | | | | Grass Surface – soccer field | | | | |
| | | 1.2' / 2' | SBP-SO-517-0002 Screening 1/6/04 @ 1100 | | Dense | Red-Brown | Silty SAND, trace gravel. Fine-medium sand, poorly graded, 1 piece fine gravel subrounded to ¼" | SM/Fill | Grass/root plug = approximately 3" Damp | 0.0 | 0.0 |
| 1 | | | | | Loose | Tan-Gray | GRAVEL, some sand. Fine and coarse angular gravel to 1.5", fine to coarse well graded sand | GW/Fill | Trap rock fill, gravel fill | | |
| 2 | | | | | | | | | Partial recovery, compressed soil or loose soil from fill | 0.0 | 0.0 |
| | | 1.9' / 2' | SBP-SO-517-0204 Screening 1/6/04 @ 1105 | | | | GRAVEL, some sand, similar to above | | Unit continues at 2' – saturated gravel | 0.0 | 0.0 |
| 3 | | | | | | | SAND, mostly fine-medium sand, poorly graded | SP/Fill | | | |
| 4 | | | | | Dense | Brown | SILT with organic roots/reeds | ML/Fill | | 0.0 | 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 447 Former Landfill Area – Soccer Field | BORING NO.: 517 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 518 |
| PROJECT NO.: | N1369 | START DATE: | 1/6/04 |
| LOGGED BY: | J. Lambert | COMPLETION: DATE: | 1/6/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JD |
| TRANSCRIBED BY: | DH | | |
| ELEVATION FROM: | | | |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | 0' - 0.1' - Roots/leaf litter | | | |
| | | 1.3' / 2.0' | SBP-SO-518-0002 Screening 1/6/04 @ 1135 | | Slightly Loose | Brown | 0.1' - 0.4' - Silty fine-coarse SAND, some fine gravel | SM | Moist | PID=0.0 FID=0.0 |
| 1 | | | | | | Dark Red | 0.4' - 0.7' - Brick/paving stone fragments<br>0.7' - 0.8' - Silty fine-medium SAND, some brick/paving stone fragments (gravel-sized) | Fill SM/Fill | Wet | |
| 2 | | | | | Slightly Dense | Dark Brown Dark Red | 0.8' - 1.1' - Silty fine-coarse SAND, trace wood pieces<br>1.1' - 1.3' - Fine-medium SAND, some silt | SM SP | Moist | |
| 3 | | 2.0' | SBP-SO-518-0204 Screening 1/6/04 @ 1140 | | | Red-Brown | 0' - 0.1' - Similar material to above<br>0.1' - 0.6' - Silty fine-medium SAND, some gravel (rounded) | SM | | PID=0.0 FID=0.0 |
| 4 | | | | | | Green-Brown | 0.6' - 1.3' - Silty fine-medium SAND, trace coarse sand, trace gravel (rounded/subrounded) | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID= B PID= B Flag number 440 Former Landfill area – Dorne Drive |

BORING NO.: 518

Tetra Tech NUS, Inc.



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 519 |
| PROJECT NO.: | N1369 | START DATE: | 1/6/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/6/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Grass Surface – Soccer Field | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.9' / 2' | SBP-SO-519-0002 Screening 1/6/04 @ 1130 | | Dense | Brown | Silty SAND, some gravel. Fine-medium sand, poorly graded, coarse gravel subrounded to 1.5" | SM/GM Fill | Grass root plug = approximately 2" Damp | 0.0 | 0.0 |
| 1 | | | | | Loose | ↓ | SAND. Fine-medium sand, poorly graded | SP/Fill | | 0.0 | 0.0 |
| | | | | | ↓ | Gray-Brown | GRAVEL, some sand. Fine to coarse sand, well graded, coarse gravel, subangular to angular fill | GW/Fill | | 0.0 | 0.0 |
| 2 | | | | | Dense | Red-Brown | Silty SAND, trace gravel. Fine-medium sand, poorly graded, fine gravel subrounded to ½" | SM/Fill | Wet @ 2' | 0.0 | 0.0 |
| | | 2' / 2' | SBP-SO-519-0204 Screening and Confirmation 1/6/04 @ 1145 | | ↓ | ↓ | | | | | |
| 3 | | | | | Loose | Tan-Gray | SAND, trace gravel. Fine-medium sand, poorly graded, seashells, 1 piece coarse gravel subrounded to ¾" | SP/Fill | | 0.0 | 0.0 |
| | | | | | ↓ | ↓ | - similar to above | ↓ | Damp only Upgrade to C' for end of 2 – 4 | | |
| 4 | | | | | Dense | Black | WASTE – compressed soil with long, shiny fibers (PACM), mixed with silty sand and organic roots/reeds, plastic piece (white) | SM/Fill | | 50.7 | 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | No getextile – 2" X 1.5" | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule | Note: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | PACM = Potential asbestos containing material | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 772 Former Landfill Area | BORING NO.: 519 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 519A |
| PROJECT NO.: | N1369 | | | START DATE: | 1/21/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | RAC | COMPLETION: DATE: | 1/22/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/Rob Ullmann | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JD |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | SBP-SO-519A-0002 Full Suite-less dioxin and SPLP, MS/MSD 1/21/04 @ 1515 | | | | Refer to Boring Log Number 519 for soil profile details from 0' – 4' bgs | | | |
| 1 | | | | | | | | | | |
| 2 | | | | | | | | | | |
| | | | SBP-SO-519A-0204 Full Suite, less dioxin and SPLP 1/21/04 @ 1535 | | | | | | | |
| 3 | | | | | | | | | | |
| 4 | | | | | | | | | | |
| | | 1.8' / 2' | SBP-SO-519A-0406 Full Suite, less dioxin and SPLP 1/21/04 @ 1600 | | Slightly Dense | Black | 0' – 0.5' – Fine sandy SILT, some reed fragments, trace fibers (PACM) throughout | Fill | Moist PACM in sample | PID = 0.0 |
| 5 | | | | | | Dark Gray | 0.5' – 0.6' – Fine silty SAND, trace coarse sand | SM | Slight odor | FID = 12.1 |
| | | | | | | Black | 0.6' – 0.8' – Fine to coarse SAND, some charcoal fragments, possible burn layer | SW/Fill | | |
| | | | | | | Dark Gray | 0.8' – 1.3' – Fine to coarse SAND, some gravel | | | |
| 6 | | | | | | Brown<br>Dark Brown | 1.3' – 1.5' – Silty fine SAND, some medium sand<br>1.5' – 1.8' – Fine to coarse SAND, some silt | SM | | |
| | | 1.8' / 2' | SBP-SO-519A-0608 Full Suite, less dioxin and SPLP 1/22/04 @ 0815 | | | Dark Gray | 0' – 0.4' – Silty fine-medium SAND<br>0.4' – 0.6' – Silty fine-coarse SAND | | Wet | PID = 0.4 |
| 7 | | | | | | Brown | 0.6' – 1.0' – Fine to coarse SAND, some silt | SW | | FID = 0.0 |
| | | | | | | Dark Brown | 1.0' – 1.5' – Fine to coarse SAND, some silt, trace metal fragments | SW/Fill | | |
| 8 | | | | | Hard | White | 1.5' – 1.8' – Fiberous hard (concrete like) material where broken, has asbestos like fibers (PACM) | Fill | PACM in sample (dry) | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track – mounted (rig 2) | Note: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | Full Suite = SVOCs, Pesticides/PCBs, metals, dioxin, SPLP metals and PCBs, asbestos, and VOCs | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples in 2' intervals | PACM = Potential asbestos containing material | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Approximately 8' bgs | | |
| OTHER OBSERVATIONS: | Phase II Old Flag Number 772 Former Landfill Area – Soccer Field FID/PID = F | BORING NO.: 519A | PAGE: 1 OF 2 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 519A |
| PROJECT NO.: | N1369 | | | START DATE: | 1/21/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | RAC | COMPLETION: DATE: | 1/22/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/Rob Ullmann | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JD |

| DEPTH (FEET) 8 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 0.7' / 2' | SBP-SO-519A-0810 Full Suite, less dioxin and SPLP 1/22/04 @ 0900 | | Slightly Loose | Black | Fine sandy SILT, some wood fragments, trace deteriorated paper (possible newspaper) | ML/Fill | Wet | PID = 0.0 |
| 9 | | | | | | | | | | FID = 278.2 |
| | | | | | | | | | | |
| 10 | | | | | | | | | | |
| | | | | EOB @ 10' bgs | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track – mounted (rig 2) | Note: Full Suite = SVOCs, Pesticides/PCBs, metals, dioxin, SPLP metals and PCBs, asbestos, and VOCs | *Tetra Tech NUS, Inc.* |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | PACM = Potential asbestos containing material | |
| GROUNDWATER LEVELS: | Approximately 8' bgs | | |
| OTHER OBSERVATIONS: | Phase II Old Flag Number 772 Former Landfill Area – Soccer Field FID/PID = F | BORING NO.: 519A | PAGE: 2 OF 2 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 520 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/6/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 1/6/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0' - 0.1' - Leaf litter/roots | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.3' / 2.0' | SBP-SO-520-0002 Screening 1/6/04 @ 1200 | | Slightly Loose | Brown | 0.1' - 0.4' - Silty fine-coarse sand, some organics (roots) | SM | Moist | PID=0.0 FID=0.0 |
| 1 | | | | | | Dark Red | 0.4' - 0.6' - Brick/paving stone fragments<br>0.6' - 0.7' - Fine-medium SAND and brick | Fill<br>SP/Fill | | |
| | | | | | Loose | Brown | 0.7' - 1.3' - Fine-coarse SAND, trace silt, trace gravel, glass | SW/Fill | | |
| 2 | | | | | | ↓ | | ↓ | | |
| | | 1.4' / 2.0' | SBP-SO-520-0204 Screening and Confirmation 1/6/04 @ 1205 | | | Dark Red | 0' - 0.5' - Fine-medium SAND, trace gravel, trace silt | SP | | PID=0.0 FID=0.0 |
| 3 | | | | | | Brown<br>Black | 0.5' - 0.7' - Silty fine-coarse SAND<br>0.7' - 0.8' - Fine-coarse SAND, some organics (roots, wood fragments) | SM<br>SW | | |
| | | | | | | Tan | 0.8' - 1.2' - Fine-medium SAND, trace coarse sand | ↓ | | |
| 4 | | | | | | Dark | 1.2' - 1.4' - Brick | Fill | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | | | |
|---|---|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (rig 2) | | | | *Tetra Tech NUS, Inc.* |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | | | |
| METHOD OF ROCK CORING: | N/A | | | | |
| GROUNDWATER LEVELS: | | | | | |
| OTHER OBSERVATIONS: | Phase I FID=B PID= B | Flag number 489 | Former Landfill area – Dome Drive | BORING NO.: 520 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 521 |
| PROJECT NO.: | N1369 | START DATE: | 1/6/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/6/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | NA | | | | | | Grass Surface – soccer field | | | | |
| | | 1.5' / 2' | SBP-SO-521-0002 Screening 1/6/04 @ 1200 | | Dense | Red-Brown | Silty SAND, trace gravel. Fine-medium sand, poorly graded, organic roots, 1 piece coarse subrounded gravel to ¾" | SM/Fill | Grass/root plug = approximately 2.5" Damp | 0.0 | 0.0 |
| 1 | | | | | | | | | | | |
| | | | | | Loose | Gray | GRAVEL, some sand. Fine-coarse angular and subangular gravels ½" – 1 ½", quartz pebbles, rock fragments | GW/Fill | Trap rock/gravel fill layer | 0.0 | 0.0 |
| 2 | | | | | | | | | Wet at 2' | | |
| | | 1.7' / 2' | SBP-SO-521-0204 Screening 1/6/04 @ 1210 | | | | | | | 0.0 | 0.0 |
| 3 | | | | | | | | | | | |
| | | | | | | | | | | | |
| 4 | | | | | | Brown | SAND. Fine-medium sand, poorly graded, seashell fragments, organic fibers | SP/Fill | Dry | 0.0 | 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 778 Former Landfill Area – Fringe of Soccer Field | BORING NO.: 521 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | BORING NO.: 521A |
| PROJECT NO.: | N1369 | | START DATE: 1/27/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/27/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling and Testing/M. Sarro | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD/ | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 2.0' / 2.0' | SBP-SO-521A-0002 Full Suite less Dioxin and SPLP 1/27/04 @ 0940 | | | | Refer to Boring Log Number 521 for soil profile descriptions from 0' – 4' bgs | | Grass/root plug = approximately 3" No visible PACM/waste approximately 1.5' No visible geomembrane VOC fraction taken at 1.5' – not too gravelly, random selection | FID = 0 PID = 0 |
| 1 | | | | | | | | | | |
| 2 | | | | | | | | | | |
| 3 | | 1.6' / 2.0' | SBP-SO-521A-0204 Full Suite less Dioxin and SPLP 1/27/04 @ 1000 | | | | | | No visible PACM/waste No visible geomembrane VOC fraction from sand unit at bottom of sleeve (random) | FID = 0 PID = 0 |
| 4 | | | | | | | | | | |
| 5 | | 2.0' / 2.0' | SBP-SO-521A-0406 Full Suite less Dioxin and SPLP 1/27/04 @ 1036 | | Loose | Tan Brown | SAND, fine-medium grained, poorly graded, seashells, 1" silt/clay layer at 0.4" | SP/Fill | Damp No visible PACM/waste No geomembrane visible | FID = 0 PID = 0 |
| | | | | | Dense | Gray Brown | Silt, trace sand, fine sand, poorly graded. Possible clay sized | SM/Fill | | |
| 6 | | | | | Loose | Black | SAND, trace silt, trace gravel, fine-medium sand, trace coarse sand, poorly graded, fine gravel to ½" subrounded, glass, tarpaper, plastic, wood chunks | | Damp VOC fraction taken at approximately 5.5' (random) | |
| 7 | | 1.6' / 2.0' | SBP-SO-521A-0608 Full Suite screening of visible waste 1/27/04 @ 1055 | | | Tan | GRAVEL, some sand, fine-medium sand, trace coarse sand, poorly graded, fine and coarse subrounded gravel ½" – 1 ¼", rock fragments | SP/Fill | Trap rock layers in upper 6" | FID = 8.9 PID = 0 |
| | | | | | Dense | Black | WASTE – compressed material with long shiny fibers mixed with silty sand, some subangular gravel to ¾" | Waste/ Fill | Wet at 7' | FID = 157 PID = 0 |
| 8 | | | | EOB @ 8' bgs | | Black/ Gray | WASTE - pasty material with long shiny fibers mixed in, wood chunk, glass, plastic, metal | | PACM/waste visible, pasty caulk like material at approximately 7' | FID = 312 PID = 0 |
| | | | | | | | EOB @ 8' bgs – Backfill with Bentonite chips (8' – 1') and topsoil (1' – 0') | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – LT 54 |
| METHOD OF ADVANCING BORING: | Direct Push Technique |
| METHOD OF SOIL SAMPLING: | Macro-Core Open tube. Continuous sampling in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | Approximately 7.8' bgs (driller reports 0.2' water in borehole) |
| OTHER OBSERVATIONS: | Phase II – Former Landfill Area – Flag number 778 – PID = B, FID = E |

Note:
PACM = Potential asbestos containing material
Full Suite = SVOC, Pesticides/PCBs, metals, dioxin, SPLP metals and PCBs, asbestos, and VOCs

BORING NO.: 521A

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 522 |
| PROJECT NO.: | N1369 | START DATE: | 1/6/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 1/6/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD/ | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.2' / 2.0' | SBP-SO-522-0002 Screening 1/6/04 @ 1220 | | Loose | Brown | 0' - 0.2' - Leaf litter/roots/topsoil<br>0.2' - 0.5' - Silty medium-coarse SAND, some organics (roots) | SM | Moist | PID=0.0 FID=0.0 |
| 1 | | | | | | Gray | 0.5' - 0.8' - (fractures) coarse GRAVEL | GP | Dry | |
| | | | | | Slightly Loose | | 0.8' - 0.9' - Fine-coarse SAND, trace silt | SW | Moist | |
| 2 | | | | | | Dark Red | 0.9' - 1.2' - Fine-medium SAND, trace silt | SP | | |
| | | 1.3 / 2.0' | SBP-SO-522-0204 Screening 1/6/04 @ 1225 | | | | 0' - 0.1' - Similar to above | | | PID=0.0 FID=0.0 |
| 3 | | | | | | Brown | 0.1' - 0.8' - Fine-coarse SAND, trace fine gravel (rounded-subrounded), piece of plastic | SW/Fill | | |
| | | | | | Slightly Dense | Black | 0.8' - 1.1' - Wood (soft decomposed) | Fill | Wet | |
| 4 | | | | | Slightly Loose | Dark Brown | 1.1' - 1.3' - Silty fine-medium SAND and glass | SM/Fill | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (rig 2) | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I FID=B PID= B Flag number 531 Former Landfill area – Dorne Drive | BORING NO.: 522 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 523 |
| PROJECT NO.: | N1369 | START DATE: | 1/6/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/6/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Grass Surface – soccer field | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 2' / 2' | SBP-SO-523-0002 Screening 1/6/04 @ 1230 | | Dense | Red-Brown | Silty SAND, trace gravel. Fine-medium sand, organic roots, fine to coarse gravel subrounded to ¼" - 1 ¼" | SM/Fill | Grass/root plug = approximately 3" Damp surface | 0.0 | 0.0 |
| 1 | | | | | | | | | | | |
| | | | | | Loose | Gray Brown | GRAVEL, some sand. Fine to coarse gravels/rock fragments, angular to subangular ½" to 1 ¼". Fine to coarse sand, well graded | GW/Fill | Gravel fill, possible trap rock fill | 0.0 | 0.0 |
| 2 | | | | | | Tan | SAND, fine-medium sand, poorly graded, seashells | SP/Fill | | 0.0 | 0.0 |
| | | 2' / 2' | SBP-SO-523-0204 Screening 1/6/04 @ 1235 | | | Tan - Brown | SAND, trace gravel. Fine-medium sand, poorly graded, fine gravel subrounded to ½" | | Dry | 0.0 | 0.0 |
| 3 | | | | | | Tan | SAND, fine-medium sand, poorly graded | | | | |
| | | | | | | Brown Gray | SAND and GRAVEL. Fine-coarse sand, well graded. Fine-coarse gravel subrounded to subangular to ½" - 1", plastic pieces | GW/SW Fill | | 0.0 | 0.0 |
| 4 | | | | | Dense | | SAND, trace gravel, fine-medium sand, poorly graded, fine gravel to ½" | SP/Fill | | 0.0 | 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 775 Former Landfill Area – Soccer Field | BORING NO.: 523 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 524 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/6/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 1/6/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | 0' - 0.1' - Leaf litter/roots | | | |
| | | 1.0' / 2.0' | SBP-SO-524-0002 SCREENING 1/6/04 @ 1255 | | | Dark Red-Brown | 0.1' - 0.3' - Piece of brick/paving stone | Fill | Moist | PID=0.0 |
| | | | | | | | 0.3' - 0.5' - Fine-coarse SAND and GRAVEL, some silt | SW | | FID=0.0 |
| 1 | | | | | | Dark Red | 0.5' - 0.7' - Fine-medium SAND, trace silt | SP | | |
| | | | | | | Black | 0.7' - 0.9' - Fine-coarse sand-sized charcoal fragments- possible burn zone | Fill | | |
| 2 | | | | | | Yellow-Brown | 0.9' - 1.0' - Silty fine-medium SAND | SM | | |
| | | 1.0' / 2.0' | SBP-SO-524-0204 SCREENING 1/6/04 @ 1300 | | | | 0' - 0.3' - Similar to above | | Wet | PID=0.0 |
| | | | | | | Gray | 0.3' - 0.5' - Silty fine SAND, some glass | SM/Fill | Moist | FID=0.0 |
| 3 | | | | | | Dark Brown | 0.5' - 0.9' - Silty fine-medium SAND, trace wood fragments | | | |
| | | | | | | | 0.9' - 1.0' - Medium-coarse SAND, some glass fragments | SP/Fill | | |
| 4 | | | | | | | 1.0' - 1.6' - Silty fine-medium SAND, some coarse sand, brick, charcoal fragments | SM/Fill | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | | |
|---|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (rig 2) | | | *Tetra Tech NUS, Inc.* |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | | |
| METHOD OF ROCK CORING: | N/A | | | |
| GROUNDWATER LEVELS: | | | | |
| OTHER OBSERVATIONS: | Phase I FID= B / PID= B Flag number 579 Former Landfill area – Dorne Drive | BORING NO.: 524 | | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 525 |
| PROJECT NO.: | N1369 | START DATE: | 1/6/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/6/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | NA | | | | | | Grass Surface – Recreational field | | | | |
| | | 1.8' / 2' | SBP-SO-525-0002 Screening 1/6/04 @ 1245 | | Loose | Brown | SAND, trace gravel. Fine-medium sand, poorly graded, organic roots, fine gravel subrounded to ½" | SP/Fill | Grass/root plug = approximately 2.5" Damp | 0.0 | 0.0 |
| 1 | | | | | | Red-Brown | SAND, trace silt, trace gravel. Fine-medium sand, trace coarse sand, poorly graded, fine and coarse gravel (1 piece each) subrounded ½" – 1", rubber piece | | | | |
| | | | | | | | | | Oxidized sands | | |
| 2 | | | | | Dense | Dark Brown | SAND, some gravel. Fine-medium sand, trace coarse sand, poorly graded, fine-coarse gravel subrounded to ½" – 1", glass | | | 26 | 0.0 |
| | | 1.3' / 2' | SBP-SO-525-0204 Screening 1/6/04 @ 1250 | | Loose | | | | | 114 | 0.0 |
| 3 | | | | | | | Similar material to above, including newspaper, brick pieces, nails | | | 60 | 0.0 |
| | | | | | | | SAND, some gravel unit, including possible bone, charred wood | | | | |
| 4 | | | | | | | SAND, some gravel unit, including organic roots/reeds | | Organic odor | 850 | 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule | Note: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | FID = A / PID = C – Faulty, switch instruments | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 776 Former Landfill Area – Recreational Field by ballfield outfield | BORING NO.: 525 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 526 |
| PROJECT NO.: | N1369 | START DATE: | 1/6/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 1/6/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | 0' - 0.1' - Leaf litter | | | |
| | | 1.2' / 2.0' | SBP-SO-526-0002 Screening 1/6/04 @ 1325 | | Loose | Brown | 0.1' - 0.5' - Fine-coarse SAND, some gravel (angular), some silt, trace slag | SW/Fill | Moist | PID=0.0 FID=0.0 |
| 1 | | | | | | | | | | |
| | | | | | Slightly Loose | Dark Red | 0.5' - 1.1' - Silty fine-medium SAND | SM | | |
| 2 | | | | | | | 1.1' - 1.2' - Brick/paving stone fragments (gravel sized) | Fill | | |
| | | 1.3' / 2.0' | SBP-SO-526-0204 Screening 1/6/04 @ 1330 | | | Brown | 0' - 0.7' - Fine-coarse sand, metal fragments | SW/Fill | | PID=0.0 FID=0.0 |
| 3 | | | | | | Tan | 0.7' - 0.9' - Newspaper fragments | Fill | | |
| | | | | | | Black | 0.9' - 1.3' - Silty fine-medium SAND, plastic, fiberous mat material PACM | SM/Fill | PACM noted in sample | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (rig 2) | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | Note: | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | PACM = Potential asbestos-containing material | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I FID=B PID= B Flag number 675 Former Landfill area – Dorne Drive | BORING NO.: 526 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | BORING NO.: 527 |
| PROJECT NO.: | N1369 | | START DATE: 1/6/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/6/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | NA | | | | | | Grass Surface | | | | |
| | | 1.6' / 2' | SBP-SO-527-0002 Screening 1/6/04 @ 1305 | | Dense | Brown | Silty SAND, trace gravel. Fine-medium sand, poorly graded, fine gravel subangular to ½", organic roots | SM/Fill | Grass/root plug = approximately 3" Damp | | |
| 1 | | | | | Loose | | | | | 0.0 | 0.0 |
| | | | | | | Gray-Brown | GRAVEL, some sand. Fine-coarse gravel/rock fragments angular – subangular to ½" – 1 ¼". Fine coarse sand, well graded | GW/SW Fill | Gravel/trap rock fill layer, poor recovery | 0.0 | 0.0 |
| 2 | | | | | | | | | | | |
| | | 1.8' / 2' | SBP-SO-527-0204 Screening 1/6/04 @ 1310 | | Dense | Dark Brown | Similar to above (gravel fill) SILT, trace gravel. Mostly silt, fine gravel subangular to ¼" | ML/Fill | Saturated at 2' | 31 | 0.0 |
| 3 | | | | | | | | | | 327 | 0.0 |
| | | | | | Loose | Gray-Brown | SAND, some gravel, some organics, fine-medium sand, fine-coarse gravel subrounded to ½" – 1", roots, reeds | SP/Fill | Damp only | | |
| 4 | | | | | | | | | | 383 | 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule | Notes: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | FID = A / PID = A | |
| METHOD OF ROCK CORING: | N/A | Plywood movement 15 min. | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 470 Former Landfill Area – Recreational Field | BORING NO.: 527 | PAGE: 1 OF 1 |

TINUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 528 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/6/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 1/6/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD | CLR | MATERIAL CLASSIFICATION 0' - 0.2' - Leaf litter/roots/topsoil | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.3' / 2.0' | SBP-SO-528-0002 Screening 1/6/04 @ 1345 | | Slightly Loose | Brown | 0.2' - 0.4' - Silty GRAVEL. Some fine-coarse sand | SM | Wet | PID=0.0 FID=0.0 |
| 1 | | | | | | Dark Red | 0.4' - 0.6' - Silty fine-coarse SAND, some angular gravel | | | |
| | | | | | Slightly Dense | Gray | 0.6' - 0.8' - GRAVEL (coarse, fractured) | GP | Dry | |
| 2 | | | | | | Dark Red | 0.8' - 1.3' - Fine-coarse SAND, some gravel (angular), trace brick/paving stone | SW/Fill | Moist | |
| | | 1.5' / 2.0' | SBP-SO-528-0204 Screening 1/6/04 @ 1350 | | | Yellow-Brown | 0' - 0.5' - Silty fine-medium SAND, trace coarse sand and fine gravel (subangular-subrounded) | SM | | PID=0.0 FID=0.0 |
| 3 | | | | | | | | | | |
| | | | | | | Black | 0.5' - 1.5' - Soft material, long PACM fibers throughout and in separate clumps | Fill | PACM noted in sample | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (rig 2) | | *Tetra Tech NUS, Inc.* |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | Note: | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | PACM = Potential asbestos containing material | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I FID=B PID=B Flag number 622 Former Landfill area – Dome Drive | BORING NO.: 528 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 528A |
| PROJECT NO.: | N1369 | | | START DATE: | 1/28/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | RAC | COMPLETION: DATE: | 1/28/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/Rob Ullmann | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JD |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | SBP-SO-528A-0002 Full Suite, less dioxin and SPLP 1/28/04 @ 1050 | | | | Refer to Boring Log Number 528 for soil profile details from 0' – 4' bgs | | (4 holes) | |
| 1 | | | | | | | | | | |
| | | | (MS/MSD) | | | | | | | |
| 2 | | | | | | | | | | |
| | | | SBP-SO-528A-0204 Full Suite, less dioxin and SPLP 1/28/04 @ 1115 | | | | | | | |
| 3 | | | | | | | | | | |
| | | | (MS/MSD DAS Metals only) | | | | | | | |
| 4 | | | | | | | | | | |
| | | 1.4' / 2' | SBP-SO-528A-0406 Full Suite, less dioxin and SPLP 1/28/04 @ 1130 | | Slightly Loose | Dark Brown Gray | 0' – 0.5' – Fine to coarse SAND, piece of slag<br>0.5' – 0.6' – Quartz fragment | SW/Fill<br>— | Slight odor<br>Moist | PID = 4.0 |
| 5 | | | | | | Black | 0.6' – 0.7' – Fine SAND, trace coarse sand | SP | | FID = 386 |
| | | | | | | Dark Brown | 0.7' – 1.2' – Fine-medium SAND, trace silt, piece of mica (coarse-gravel size) | | | |
| 6 | | | | | Slightly Dense | Gray | 1.2' – 1.4' – FILL, newspaper (decomposed) plastic and metal | Fill | | |
| | | 0.6' / 2' | SBP-SO-528A-0608 Full Suite, less dioxin and SPLP 1/28/04 @ 1210 | | Slightly Loose | Dark Brown | Silty fine-medium SAND | SM | Wet | PID = 0.0 |
| 7 | | | | | | | | | | FID = 271.0 |
| | | | | | | | | | | |
| 8 | | | | EOB @ 8' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) | Note: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | Full Suite = SVOCs, Pesticides/PCBs, metals, dioxin, SPLP metals and PCBs, asbestos, and VOCs | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Approximately 6' bgs | | |
| OTHER OBSERVATIONS: | Phase II Old Flag Number 622 Former Landfill Area – Dorne Drive FID/PID = E | BORING NO.: 528A | PAGE: 1 OF 1 |

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 529 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/6/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: | RAC | COMPLETION: DATE: | 1/6/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Grass Surface | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.6' / 2' | SBP-SO-529-0002 Screening 1/6/04 @ 1340 | | Dense | Brown | Silty SAND, trace gravel. Fine-medium sand, poorly graded, 1 piece fine gravel subrounded to ¼", organic roots | SM/Fill | Grass/root plug = approximately 3" Damp | 0.0 | 0.0 |
| 1 | | | | | | | | | | | |
| | | | | | Loose | Dark Gray | GRAVEL, some sand. Fine-coarse angular to subangular gravels/rock fragments/crushed stone (quartz pebble), fine coarse sand, well graded | GW/Fill | Trap rock layer/gravel fill | 0.0 | 0.0 |
| 2 | | | | | | | | | | | |
| | | 1.8' / 2' | SBP-SO-529-0204 Screening 1/6/04 @ 1345 | | | Gray | SAND, trace gravel. Fine-medium sand, poorly graded, fine and coarse gravel subangular to ½" – ¾", glass shards, plastic chunks | SP/Fill | Dry | 0.0 | 0.0 |
| 3 | | | | | | | | | | | |
| | | | | | | Black | SAND, some gravel. Fine coarse sand, well graded, fine and coarse gravel subrounded to ½" – 1", seashell fragments, organic roots and fibers | SW/Fill | | 0.0 | 0.0 |
| 4 | | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | Note: | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | Plywood movement 8-10 min. | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 493 Former Landfill Area – Recreational Field | BORING NO.: 529 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 529A |
| PROJECT NO.: | N1369 | | | START DATE: | 1/30/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: | RAC | COMPLETION: DATE: | 1/30/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/D. Gooley | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | NA | | | | | | | | | |
| | | | SBP-SO-529A-0002<br>No samples for analysis 0' – 2' | | | | Refer to Boring Log number 529 for soil profile descriptions from 0' – 4' | | Using drive point to advance 0' – 4' (no macrocores) | |
| 2 | | | | | | | | | | |
| | | | SBP-SO-529A-0204<br>No samples for analysis 2' – 4' | | | | | | | |
| 4 | | | | | | | | | | |
| | | 1.5' / 2' | SBP-SO-529A-0406<br>Screening<br>1/30/04 @ 1015 | | Loose | Brown | SAND, trace silt. Fine-medium sand, poorly graded, organic roots | SP/Fill | Dry. No visible PACM/waste or geomembrane (spongy soil) | FID = 232<br>PID = 0 |
| | | | | | | | Silty SAND, some gravel. Fine-medium sand poorly graded, fine and coarse gravel subrounded ¼" – 1 ¼", glass, stretchy material, filter-like fibers (possible cigarette), organic fibers, burned wood pieces, paint chips, glass, metal debris, newspaper (low recovery) | SM/Fill | | FID = 589<br>PID = 0 |
| 6 | | | | | Denser | | | | Damp at 5.5' | FID = 810<br>PID = 0 |
| | | 1.2' / 2' | SBP-SO-529A-0608<br>Screening<br>1/30/04 @ 1030 | | Loose | | Burned wood, glass, rubber pieces | Fill | Damp<br>No visible PACM/waste or geomembrane<br>Poor recovery due to fill | FID = 35<br>PID = 0 |
| 8 | | | | | Dense | | SAND, some silt, trace gravel. Fine-medium sand, poorly graded, fine and coarse subrounded gravel to 1", organic material (low recovery) | SM/Fill | | FID = 914<br>PID = 0 |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – LT 54 (rig 4) | Note:<br>PACM = Potential asbestos containing material<br>PID = C, FID = C (failed calibration check) | *Tetra Tech NUS, Inc.* |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH TECHNIQUE | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous sampling in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Approximately 10' bgs reported by driller | | |
| OTHER OBSERVATIONS: | Phase II Screening Flag number 493 Former Landfill area – recreational field | BORING NO.: 529A | PAGE: 1 OF 2 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 529A |
| PROJECT NO.: | N1369 | START DATE: | 1/30/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/30/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/D. Gooley | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 8 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1' / 2' | SBP-SO-529A-0810<br>Screening<br>1/30/04 @ 1040 | | Dense | Brown Black | SILT, some sand. Fine-medium sand mixed with silt, plastic, ceramic tile, fabric, glass, paper, wood fibers, rock fragments, metal debris | SM/Fill | Poor recovery<br>No visible PACM/waste<br>No geomembrane<br>Saturated @ approximately 9' | FID = 59<br>PID = 3.1<br>FID = 85<br>PID = 0.0 |
| 10 | | | | | | | (low recovery) | | | |
| | | | | EOB @ 10' bgs | | | EOB @ 10' bgs = Backfill with bentonite chips (10'-1') and topsoil (1'-0') | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – LT 54 (rig 4) | Note:<br>PACM = Potential asbestos containing material<br>PID = C, FID = C (failed calibration check) | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH TECHNIQUE | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous sampling in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Approximately 10' bgs reported by driller | | |
| OTHER OBSERVATIONS: | Phase II Screening Flag number 493 Former Landfill area – recreational field | BORING NO.: 529A | PAGE: 2 OF 2 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 530 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/6/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 1/6/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JD |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | 0' - 0.3' - Leaf litter/roots/topsoil | | | |
| | | 1.8' / 2.0' | SBP-SO-530-0002 Screening 1/6/04 @ 1455 | | Slightly Loose | Brown | 0.3' - 0.8' - Silty fine SAND, trace gravel (rounded), trace coarse sand, some organics (roots) | SM | Moist | PID=0.0 FID=0.0 |
| 1 | | | | | | | 0.8' - 1.2' - Fine-coarse SAND, trace silt | SW | | |
| | | | | | | Orange-Brown | 1.2' - 1.3' - Silty fine SAND, some medium sand | SM | | |
| 2 | | | | | | Brown | 1.3' - 1.8' - Fine-coarse SAND, trace shell fragments, trace organics (roots) | SW | | |
| | | 1.2' / 2.0' | SBP-SO-530-0204 Screening 1/6/04 @ 1500 | | | | 0' - 0.3' - Silty fine SAND, trace gravel, some wood fragments | SM | | PID=0.0 FID=0.0 |
| 3 | | | | | Loose | Dark Gray | 0.3' - 0.7' - Medium – coarse SAND | SP | | |
| | | | | | Slightly Loose | Brown | 0.7' - 1.2' - Fine-coarse SAND, trace shell fragments | SW | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | | |
|---|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (rig 2) | | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | | |
| METHOD OF ROCK CORING: | N/A | | | |
| GROUNDWATER LEVELS: | | | | |
| OTHER OBSERVATIONS: | Phase I FID= B PID= B Flag number 749 Former Landfill area – Dome Drive | BORING NO.: 530 | | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 531 |
| PROJECT NO.: | N1369 | START DATE: | 1/6/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/6/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Grass Surface – recreational field | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.7' / 2' | SBP-SO-531-0002 Screening 1/6/04 @ 1415 | | Dense | Brown | Silty SAND, trace gravel, organic roots. Fine-medium sand, poorly graded, fine gravel to ½" and coarse gravel to 1" (subangular) | SM/Fill | Grass/root plug = approximately 3" | 0.0 | 0.0 |
| 1 | | | | | | Gray | GRAVEL, some sand. Fine and coarse angular – subangular gravels / rock fragments / crushed stones (quartz pebbles), fine to coarse sand, well graded ½" – 1 ½" gravels | GW/Fill | Damp | | |
| | | | | | Loose | | | | | 0.0 | 0.0 |
| 2 | | | | | | Dark Gray | SAND, fine-medium sand, poorly graded, organic roots | SP/Fill | Dry | 0.0 | 0.0 |
| | | 1.5' / 2' | SBP-SO-531-0204 Screening 1/6/04 @ 1420 | | | Black - Gray - Brown | Silty SAND, some gravel. Fine-medium sand, poorly graded, fine and coarse subrounded gravel ½" to 1 ½", glass shards, metal fragments, seashells, charred wood, newspaper, slag, crayon, nylon | SM/Fill | | 0.0 | 0.0 |
| 3 | | | | | | | | | | | |
| | | | | | Dense | Dark Brown | Silty SAND, fine-medium sand, poorly graded | | Damp | 0.0 | 0.0 |
| 4 | | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | Note: | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | Plywood movement 8-10 min. | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 513 Former Landfill Area – Recreational Field | BORING NO.: 531 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 532 |
| PROJECT NO.: | N1369 | START DATE: | 1/6/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/6/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | NA | | | | | | 0' – 0.1' – Leaf litter/roots | | | |
| | | 1.1' / 2' | SBP-SO-532-0002 Screening 1/6/04 @ 1515 | | Loose | Dark Brown | 0.1' – 0.3' – Fine to coarse SAND, trace silt, some organics (roots) | SW | Moist | PID = 0.0 |
| | | | | | ---- | Dark Red | 0.3' – 0.4' – Brick / paving stone | Fill | Dry | |
| 1 | | | | | Slightly Loose | | 0.4' – 0.7' – Silty fine-medium SAND, some brick/paving stone fragments | SM/Fill | Moist | FID = 0.0 |
| | | | | | ---- | | 0.7' – 0.9' - Brick / paving stone | ---- | Dry | |
| 2 | | | | | Slightly Loose | | 0.9' – 1.1' – Silty fine-medium SAND and brick/paving stone fragments | SM/Fill | Moist | |
| | | 1.5' / 2' | SBP-SO-532-0204 Screening 1/6/04 @ 1520 | | | Brown | 0' – 0.2' – Silty fine SAND<br>0.2' – 0.3' – Fine SAND, some silt, some medium sand, trace coarse | SW | | PID = 0.0 |
| 3 | | | | | Dense | Black | 0.3' – 0.4' – Asphalt/solidified tar pieces, able to break apart, but hard and petroleum odor | Fill | | FID = 0.0 |
| | | | | | Slightly Loose | Brown | 0.4' – 1.3' – Silty fine SAND, trace coarse sand | SM | PACM in sample | |
| 4 | | | | | | Dark Brown | 1.3' – 1.5' – Silty fine-medium SAND, some fibers embedded - PACM | Fill | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) | Note: | *Tetra Tech NUS, Inc.* |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | PACM = Potential asbestos containing material | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 713 Former Landfill Area – Dorne Drive FID/PID = B | BORING NO.: 532 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 532A |
| PROJECT NO.: | N1369 | START DATE: | 1/27/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/27/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/R., Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | SBP-SO-532A-0002 Full Suite, less dioxin and SPLP 1/27/04 @ 1520 | | | | Refer to Boring Log Number 532 for soil profile details from 0' – 4' bgs | | | |
| 1 | | | | | | | | | | |
| | | | | | | | | | Waste – bottom 0.1' | |
| 2 | | | | | | | | | | |
| | | | SBP-SO-532A-0204 Full Suite, DAS metals 1/27/04 @ 1545 | | | | | | | |
| 3 | | | | | | | | | | |
| | | | | | | | | | | |
| 4 | | | | | | | | | | |
| | | 1.0' / 2' | SBP-SO-532A-0406 Full Suite, less dioxin and SPLP 1/27/04 @ 1610 | | Slightly Loose | Tan | 0' – 0.1' – Decomposed newspaper | Fill | Moist | PID = 0.0 |
| 5 | | | | | | Dark Brown | 0.1' – 0.6' – Silty fine-medium SAND, some glass, wire fragment, clear thin stretchy material, plastic pieces | SM/Fill | Wet | FID = 61.2 |
| | | | | | | | 0.6' – 1.0' – Fine-medium SAND | SP | Moist | |
| 6 | | | | | | | | | | |
| | | | | EOB @ 6' bgs | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track Mounted | Note: Full Suite = SVOCs, Pesticides/PCBs, metals, dioxin, SPLP metals and PCBs, asbestos, and VOCs | *Tetra Tech NUS, Inc.* |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase II Old Flag Number 713 Former Landfill Area – Dome Drive East PID=B / FID = E | BORING NO.: 532A | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 533 |
| PROJECT NO.: | N1369 | START DATE: | 1/6/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/6/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | NA | | | | | | Grass Surface – recreational field | | | | |
| | | 1.9'/2' | SBP-SO-533-0002 Screening 1/6/04 @ 1510 | | Dense | Brown | Silty SAND, trace gravel. Fine-medium sand, poorly graded, fine gravel, subangular, to ½", organic roots | SM/Fill | Grass/root plug = approximately 3" Damp | 0.0 | 0.0 |
| 1 | | | | | | | | | | 0.0 | 0.0 |
| | | | | | Loose | Gray | GRAVEL, some sand. Fine to coarse gravel angular to subangular ½" - 1 ½", rock fragments, crushed stone (quartz pebbles), fine to coarse sand, well graded | GW/Fill | Trap rock fill/gravel fill layer | | |
| 2 | | | | | | Brown | SAND. Fine-medium sand, poorly graded, seashells - trace coarse sand at end of liner | SP/Fill | Damp | 0.0 | 0.0 |
| | | 1.9'/2' | SBP-SO-533-0204 Screening 1/6/04 @ 1515 | | | Gray Brown | SAND, fine-medium sand, poorly graded | | Wet at 2' (sand) | | |
| 3 | | | | | | | | | | | |
| | | | | | | | | | | 0.0 | 0.0 |
| 4 | | | | | Denser | Dark Brown | SAND, fine-medium sand, trace coarse sand, organic roots | | | | |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | Note: | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | Plywood movement 8 – 10 min. | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 535 Former Landfill Area – Recreational Field | BORING NO.: 533 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 534 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/6/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 1/6/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0' - 0.2' - Grass/roots | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.3' / 2.0' | SBP-SO-534-0002 Screening 1/6/04 @ 1545 | | Slightly Loose | Brown | 0.2' - 0.4' - Silty fine SAND, trace gravel, some organic roots | SM | Moist | PID=0.0 FID=0.0 |
| 1 | | | | | Loose | | 0.4' - 1.3' - Medium-coarse SAND, piece of slag at 1.1' | SP/Fill | Wet | |
| 2 | | | | | | | | | | |
| | | 1.6' / 2.0' | SBP-SO-534-0204 Screening and Confirmation 1/6/04 @ 1550 | | | Dark Gray | 0' - 0.7' - Medium-coarse SAND, geotextile | SP | Geotextile in sample | PID=0.0 FID=0.0 |
| 3 | | | | | | Tan | 0.7' - 0.9' - Coarse SAND, some shell fragments, trace medium sand | | | |
| | | | | | | Light Brown | 0.9' - 1.6' - Medium SAND, some fine sand | | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID=B PID= B Flag number 762 Former Landfill area – handball court BORING NO.: 534 |

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 534A |
| PROJECT NO.: | N1369 | START DATE: | 1/29/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 1/29/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | No samples collected from 0' - 4' bgs | | | | Refer to Boring Log Number 534 for soil profile details from 0-4' | | | |
| 4 | | | | | | | | | | |
| | | 2.0 / 2.0' | SBP-SO-534A-0406 Screening 1/29/04 @ 1110 | | Loose | Tan | Medium-coarse SAND, trace shell fragments | SP | Moist | PID=0.0 FID=0.0 |
| 5 | | | | | | | | | | |
| 6 | | | | | | | | | | |
| | | 1.9' / 2.0' | SBP-SO-534A-0608 Screening 1/29/04 @ 1120 | | | | Similar material to above | | | PID=0.6 FID=0.0 |
| 7 | | | | | | | | | | |
| 8 | | | | | | | | | | |
| | | 1.7' / 2.0' | SBP-SO-534A-0810 Screening 1/29/04 @ 1125 | | | Brown | 0' - 0.2' - Medium-coarse SAND, trace shells 0.2' - 0.3' - Fine-coarse SAND | SW | | PID=0.0 |
| 9 | | | | | | Light Brown Gray | 0.3' - 0.9' - Medium-coarse SAND 0.9' - 1.1' - Similar material to above (color change only) | SP | | FID=0.0 |
| | | | | | | Purple Purple-Gray | 1.1' - 1.8' - Fine SAND, some medium sand 1.3' - 1.7' - Medium SAND | | Wet Garnet sands | |
| 10 | | | | | | | | | | |
| | | | | EOB @ 10' bgs | | | Note: hole collapsed to 8' but we believe we are at water table due to depth of last sample and saturation of sample | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE -- Track- mounted (Rig 2) | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | Note: | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | Phase II screening = Asbestos and Metals | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Approximately 9' bgs | | |
| OTHER OBSERVATIONS: | Phase II FID= B / PID= B Old Flag number 762 Former Landfill area – handball court area | BORING NO.: 534A | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 535 |
| PROJECT NO.: | N1369 | START DATE: | 1/6/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/6/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | NA | | | | | | Grass Surface – recreational field | | | | |
| | | 1.9'/2' | SBP-SO-535-0002 Screening 1/6/04 @ 1525 | | Dense | Brown | Silty SAND, trace gravel. Fine-medium sand, poorly graded, fine gravel subangular to ½", organic roots | SM/Fill | Grass/root plug = approximately 3" Damp | 0.0 | 0.0 |
| 1 | | | | | Loose | Gray | GRAVEL, some sand. Fine to coarse angular – subangular to ½" – 1" gravel/rock fragments/crushed stones, fine to coarse sand well graded | GW/Fill | | 0.0 | 0.0 |
| | | | | | | Gray-Brown | SAND. Fine-medium sand, poorly graded. GRAVEL, some sand, fine and coarse angular-subangular gravels, rock fragments or crushed stone, fine to coarse sand, well graded | SP/Fill GW/Fill | | | |
| 2 | | | | | | Black | SAND. Fine-medium sand, trace coarse sand, poorly graded, organic reeds/roots | SP/Fill | Damp | 166 | 0.0 |
| | | 0.8'/2' | SBP-SO-535-0204 Screening 1/6/04 @ 1530 | | | Brown | SAND, trace silt, trace gravel. Fine-medium sand, trace coarse sand, poorly graded, fine gravel subangular to ½" | | Poor recovery Compressed fill | | |
| 3 | | | | | | | FILL. Glass shards, charred wood, newspaper, sticky substance (decomposed material), pencil, fiber pad (gray) plastic stars – poor recovery | Fill | | | |
| | | | | | | | | | | 183 | 0.0 |
| 4 | | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | Note: | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | Plywood movement 8 – 10 min. | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 561 Former Landfill Area – Recreational Field | BORING NO.: 535 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 535A |
| PROJECT NO.: | N1369 | START DATE: | 1/30/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 1/30/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | No samples collected from 0' - 4' bgs | | | | Refer to Boring Log Number 535 for soil profile details from 0-4' | | | |
| 4 | | | | | | | | | | |
| | | 1.8' / 2.0' | SBP-SO-535A-0406 Screening 1/30/04 @ 1035 | | Slightly Dense | Tan Brown | 0' - 0.6' - Fine-medium SAND<br>0.6' - 1.0' - Fine-medium SAND, some silt | SP | Moist | PID=0.0<br>FID=195.0 |
| 5 | | | | | Slightly Loose | Dark Brown | 1.0' - 1.3' - Fine-medium SAND, trace coarse sand | SW | | (bottom) |
| | | | | | | White | 1.3' - 1.6' - Ash/man made material, some glass | Fill | Wet<br>Organic odor | |
| 6 | | | | | | Black | 1.6' - 1.8' - Silty fine SAND, some glass, some aluminum foil | SM/Fill | | |
| | | 1.3' / 2.0' | SBP-SO-535A-0608 Screening 1/30/04 @ 1050 | | | | 0' - 0.1' - Silty fine-medium SAND | | | PID=0.0<br>FID=294.0 |
| 7 | | | | | | Light Gray | 0.1' - 0.4' - Fine-medium SAND<br>0.4' - 0.6' - Silty fine-medium SAND and wood fragments | SP<br>SM | | |
| | | | | | Slightly Dense | Yellow-Black | 0.6' - 1.3' - FILL --plastic, cardboard, and newspaper (decomposed) | Fill | | |
| 8 | | | | | | | | | | |
| | | 0.4' / 2.0' | SBP-SO-535A-0810 NO ANALYSIS 1/30/04 @ 1110 | | | | | | 0.2' = Fine silty sand<br>0.2'-0.4' = Wood | |
| 9 | | | | | | | Note: When sample was removed boring had 2' of water in the hole<br>Water table is shallower than 8' – will not collect last sample | | | |
| 10 | | | | | | | | | | |
| | | | | EOB @ 10' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) | Notes: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | Phase II screening= Asbestos and Metals | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | |
| METHOD OF ROCK CORING: | N/A | FID failed PM check | |
| GROUNDWATER LEVELS: | Approximately 8' bgs | | |
| OTHER OBSERVATIONS: | Phase II FID=C / PID=C Old Flag number 561 Former Landfill area – Field outside of Mini golf course | BORING NO.: 535A | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 536 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/6/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 1/6/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.7' / 2.0' | SBP-SO-536-0002 Screening 1/6/04 @ 1600 | | Loose | Gray | 0' - 0.6' - Medium-coarse SAND, trace organics (roots) | SP | Moist | PID=0.0 FID=0.0 |
| 1 | | | | | | Light Gray | 0.6' - 1.7' - Medium-coarse SAND, trace shells and shell fragments | | Wet | |
| 2 | | | | | | | | | | |
| 3 | | * / 2.0' | SBP-SO-536-0204 Screening 1/6/04 @ 1605 | | | | * Medium SAND, trace coarse sand | | | PID=0.0 FID=0.0 |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | * Note- structure lost due to movement of very loose sand | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID= B PID= B Flag number 764 Former Landfill area – handball court |

BORING NO.: 536

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 537 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/6/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: | RAC | COMPLETION: DATE: | 1/6/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Recreational Field - Grass Surface | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.8' / 2' | SBP-SO-537-0002 Screening 1/6/04 @ 1600 | | Dense | Brown | Silty SAND, trace gravel. Fine-medium sand, poorly graded, fine gravel subrounded to ½", organic roots | SM/Fill | Grass/root plug = approximately 3" Damp | 0.0 | 0.0 |
| 1 | | | | | Loose | | SAND – Fine-medium sand, poorly graded | SP/Fill | | 0.0 | 0.0 |
| | | | | | | Dark Brown | SAND – Fine-medium sand, poorly graded, glass shards, trace coarse sand, compressed soil | | | 0.0 | 0.0 |
| 2 | | | | | | | | | | | |
| | | 2' / 2' | SBP-SO-537-0204 Screening 1/6/04 @ 1605 | | | Tan Gray | SAND – Fine-medium sand, poorly graded | | Saturated at 2' – (sand unit) | 0.0 | 0.0 |
| 3 | | | | | | | Similar to above, with trace silt | | | | |
| | | | | | Denser | Brown-Black | SAND, some gravel. Fine-medium sand, trace coarse sand, poorly graded, some gravel (fine and coarse subrounded to subangular to ½" – 1"), plastic shoe with foot (toy) | | Damp only | 0.0 | 0.0 |
| 4 | | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule (Geoprobe) | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | Note: | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | Plywood movement 8 -- 10 min. | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 583 Former Landfill Area | BORING NO.: 537 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 538 |
| PROJECT NO.: | N1369 | START DATE: | 1/6/04 |
| LOGGED BY: | J. Lambert | COMPLETION: DATE: | 1/6/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JD |

TRANSCRIBED BY: DH

ELEVATION FROM:

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0.4' - Asphalt-removed prior to drilling | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.7' / 2.0' | SBP-SO-538-0002 Screening 1/6/04 @ 1625 | | Loose | Gray | 0' - 0.7' - Fine-coarse SAND | SW | Moist | PID=0.0 FID=0.0 |
| 1 | | | | | Slightly Loose | Black | 0.7' - 0.8' - Asphalt/solidified tar (petroleum odor, snaps into pieces) | Fill | | |
| | | | | | | Tan | 0.8' - 1.0' - Fine-medium SAND, trace silt, trace gravel (subrounded) | SP | | |
| 2 | | | | | Loose | Gray Brown | 1.0' - 1.4' - Fine- medium SAND 1.4' - 1.7' - Fine SAND, trace medium sand | | | |
| | | 1.4' / 2.0' | SBP-SO-538-0204 Screening 1/6/04 @ 1630 | | | Tan | 0' - 1.0' - Medium SAND, trace coarse sand 1.0' - 1.4' - Medium-coarse SAND, trace fine gravel (rounded) | | | PID=0.0 FID=0.0 |
| 3 | | | | | | | | | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID= B PID= B Flag number 765 Former Landfill area – handball court |

BORING NO.: 538

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 539 |
| PROJECT NO.: | N1369 | START DATE: | 1/6/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/6/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Recreational Field - Grass Surface | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.8' / 2' | SBP-SO-539-0002 Screening 1/6/04 @ 1615 | | Dense | Red - Brown | Silty SAND, trace gravel. Fine-medium sand, poorly graded, fine gravel subangular to ½", organic roots | SM/Fill | Grass/root plug = approximately 3" Damp | 0.0 | 0.0 |
| 1 | | | | | Loose | Brown | SAND. Fine-medium sand, poorly graded, plastic pieces | SP/Fill | | 0.0 | 0.0 |
| 2 | | | | | | | | | | | |
| 3 | | 2' / 2' | SBP-SO-539-0204 Screening 1/6/04 @ 1620 | | | Brown - Gray | SAND. Fine-medium sand, poorly graded | | Saturated at 2' in brown gray sand unit | 0.0 | 0.0 |
| | | | | | | | One 1" interval of black colored sand (color change only) | | | | |
| | | | | | | | One 1" interval of gray colored sand (color change only) | | Not saturated - Damp only | | |
| 4 | | | | | | Black - Gray | SAND. Similar to above | | | 0.0 | 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | Note: | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | Plywood movement 8 – 10 min. | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 604 Former Landfill Area | BORING NO.: 539 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 540 |
| PROJECT NO.: | N1369 | START DATE: | 1/6/04 |
| LOGGED BY: | J. Lambert | COMPLETION: DATE: | 1/6/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JD |
| TRANSCRIBED BY: | DH | | |
| ELEVATION FROM: | | | |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.2' / 2.0' | SBP-SO-540-0002 Screening 1/6/04 @ 1645 | | Loose | Tan | Medium-coarse SAND | SP | Moist | PID=0.0 FID=0.0 |
| 1 | | | | | | | | | | |
| 2 | | | | | | | | | | |
| | | 1.3' / 2.0' | SBP-SO-540-0204 Screening 1/6/04 @ 1650 | | | | 0' - 0.2' - Similar material to above | | | PID=0.0 FID=0.0 |
| | | | | | | Brown | 0.2' - 0.25' - Silty fine-medium SAND | SM | | |
| 3 | | | | | | Tan Brown | 0.25' - 0.3' Fine-medium SAND, some shells 0.3' - 0.4' - Fine-medium SAND, some silt | SP | | |
| | | | | | | Tan | 0.4' - 0.9' - Medium-coarse SAND and SHELL fragments | | | |
| 4 | | | | | | | 0.9' - 1.3' - Fine-medium SAND, trace angular-subangular gravel | | | |
| | | | | EOB 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID= B PID= B Flag number 763 Former Landfill area – handball court area |

BORING NO.: 540

Tetra Tech NUS, Inc.



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 541 |
| PROJECT NO.: | N1369 | START DATE: | 1/7/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 1/7/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0' - 0.2' - Grass/roots | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.8' / 2.0' | SBP-SO-541-0002 Screening 1/7/04 @ 1135 | | Slightly Loose | Dark Red | 0.2' - 0.4' - Fine-medium SAND, some silt, some organics (roots) | SP | Moist | PID=0.0 FID=0.0 |
| 1 | | | | | Slightly Dense | Brown | 0.4' - 1.0' - Silty fine-medium SAND, trace organics (roots) | SM | | |
| | | | | | Slightly Loose | | 1.0' - 1.6' - Fine-coarse SAND, trace silt | SW | | |
| 2 | | | | | Slightly Dense | Tan | 1.6' - 1.8' - Fine-medium SAND, some silt | SP | | |
| | | 1.6' / 2.0' | SBP-SO-541-0204 Screening 1/7/04 @ 1140 | | | Brown | 0' - 0.4' - Fine-medium SAND, trace silt<br>0.4' - 0.5' - Fine sandy SILT | ML | Wet | PID=0.0 FID=56.0 |
| 3 | | | | | | Tan Brown | 0.5' - 0.7' - Fine-medium SAND<br>0.7' - 0.9'- Similar to above; mica flakes (sand sized) reason for color change | SP | | |
| | | | | | | | | | | |
| 4 | | | | | | Dark Brown | 0.9' - 1.6' - Fine sandy SILT, plastic at 1.1', slight organic odor, glass pieces | ML/Fill | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID= A PID= A Flag number 653 Former Landfill area –field by mini golf course BORING NO.: 541 |

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 541A |
| PROJECT NO.: | N1369 | START DATE: | 1/30/04 |
| LOGGED BY: | J. Lambert | COMPLETION: DATE: | 1/30/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JD |

TRANSCRIBED BY: DH

ELEVATION FROM:

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | No samples collected from 0' - 4' bgs | | | | Refer to Boring Log Number 541 for soil profile details from 0' - 4' | | | |
| 1 | | | | | | | | | | |
| 2 | | | | | | | | | | |
| 3 | | | | | | | | | | |
| 4 | | | | | | | | | | |
| | | 1.3' / 2.0' | SBP-SO-541A-0406 Screening 1/30/04 @ 1145 | | Slightly Dense | Dark Gray | 0' - 0.9' - Silty fine SAND, some medium sand | SM | Moist | PID=0.0 FID=7.1 |
| 5 | | | | | | | 0.9' - 1.0' - Fine-medium SAND, trace silt | SP | Wet | |
| | | | | | | Black | 1.0' - 1.3' - WOOD, some fine-medium SAND | Fill | | |
| 6 | | | | | | | | | | |
| | | 0.7' / 2.0' | SBP-SO-541A-0608 Screening 1/30/04 @ 1155 | | | | 0' - 0.2' - Silty fine SAND, some wood fragments, some organics (roots) | SM | | PID=0.0 FID=532 |
| 7 | | | | | | Dark Gray | 0.2' - 0.6' - Fine SAND, trace silt, some organics, some fine angular gravel | SP | | |
| | | | | | | Tan | 0.6' - 0.7' - WOOD | Fill | | |
| 8 | | | | EOB @ 8' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) | Notes: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | Phase II Screening = Asbestos and Metals | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | |
| METHOD OF ROCK CORING: | N/A | FID failed PM check | |
| GROUNDWATER LEVELS: | Approximately 7.2' bgs | | |
| OTHER OBSERVATIONS: | Phase II FID= C PID= C Old Flag number 653 Former Landfill area – outside of Mini golf course | BORING NO.: 541A | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 542 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/7/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 1/7/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JD |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | 0' - 0.2' - Grass/topsoil | | | |
| | | 1.8' / 2.0' | SBP-SO-542-0002 Screening 1/7/04 @ 1150 | | Slightly Dense | Dark Red | 0.2' - 0.7' - Silty fine-medium SAND; some organics (roots) | SM | Moist | PID=0.0 FID=0.0 |
| 1 | | | | | | Brown | 0.7' - 1.6' - Silty fine-coarse SAND, trace organics (roots) | | | |
| | | | | | | | | | | |
| 2 | | | | | | Dark Brown | 1.6' - 1.8' - Silty fine-coarse SAND | | | |
| | | 1.4' / 2.0' | SBP-SO-542-0204 Screening 1/7/04 @1155 | | | Black | 0' - 0.2' - Similar to above<br>0.2' - 0.3' - WOOD pieces | Fill | | PID=0.0 FID=15.5 |
| 3 | | | | | | Brown | 0.3' - 0.5' - Silty fine-medium SAND, layer of blue glass at 0.45' | SM/Fill | | |
| | | | | | | Dark Gray | 0.5' - 1.4' - Fine SAND, trace silt | SP | Wet | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | | | |
|---|---|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (rig 2) | | | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | | | |
| METHOD OF ROCK CORING: | N/A | | | | |
| GROUNDWATER LEVELS: | | | | | |
| OTHER OBSERVATIONS: | Phase I FID=A PID= A Flag number 679 Former Landfill area – next to mini golf course | BORING NO.: 542 | | | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 543 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/7/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 1/7/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0' - 0.2' - Grass/roots | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.7' / 2.0' | SBP-SO-543-0002 Screening 1/7/04 @ 1115 | | | Dark Red | 0.2' - 0.5' - Silty fine-medium SAND, some silt, some glass, trace organics | SM/Fill | Moist | PID=0.3 FID=0.0 |
| 1 | | | | | | Gray | 0.5' - 0.8' - Fine SAND, some coarse sand<br>0.8' - 1.2' - Silty fine-medium SAND | SP<br>SM | | |
| | | | | | | Light Brown Gray | 1.2' - 1.3' - Fine sandy SILT<br>1.3' - 1.7' - Silty fine-medium SAND | ML<br>SM | | |
| 2 | | | | | | | | | | |
| | | 1.7' / 2.0' | SBP-SO-543-0204 Screening 1/7/04 @ 1120 | | | Dark Gray | 0' - 0.6' - Fine SAND, some silt | SP | | PID=0.0 FID=0.0 |
| 3 | | | | | | Gray | 0.6' - 1.3' - Fine-medium SAND | | | |
| | | | Duplicate (DUP II) 1/7/04 @ 1125 | | | Dark Gray | 1.3' - 1.7' - Fine-medium SAND, some silt | | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | (Note- sample partially Frozen by the time it is logged due to extreme cold) | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (rig 2) | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I FID=A / PID=A Flag number 626 Former Landfill area – field next to mine-golf course | BORING NO.: 543 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | BORING NO.: 544 |
| PROJECT NO.: | N1369 | | START DATE: 1/7/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 1/7/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0' - 0.3' - Grass/roots | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.4' / 2.0' | SBP-SO-544-0002 Screening 1/7/04 @ 1305 | | Slightly Loose | Dark Red | 0.3' - 0.6' - Silty fine-medium SAND, some organics (roots) | SM | Moist | PID=0.0 FID=0.0 |
| 1 | | | | | Slightly Dense | Brown | 0.6' - 1.1' - Silty fine-medium SAND | | | |
| | | | | | Dense | Gray | 1.1' - 1.4' - GRAVEL, some fine-coarse sand | GW | | |
| 2 | | | | | | | | | | |
| | | 0.8' / 2.0' | SBP-SO-544-0204 Screening 1/7/04 @ 1310 | | Slightly Dense | Black | Silty fine-coarse SAND, some fine gravel, also asphalt pieces (sand-fine, gravel-sized) throughout | SM/Fill | Damp | PID=3.3 FID=7.6 |
| 3 | | | | | | | | | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID= B PID= B Flag number 680 Former Landfill area – field next to mini golf course BORING NO.: 544 |

*Tetra Tech NUS, Inc.*

PAGE: 1 OF 1

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 545 |
| PROJECT NO.: | N1369 | START DATE: | 1/7/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 1/7/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | 0' - 0.2' - Grass/roots | | | |
| | | 1.8' / 2.0' | SBP-SO-545-0002 Screening 1/7/04 @ 1325 | | Slightly Dense | Dark Red | 0.2' - 0.4' - Fine-medium SAND, some silt, some organics (roots) | SP | Moist | PID=0.2 FID=0.0 |
| 1 | | | | | | | | | | |
| | | | | | | Gray | 0.4' - 1.8' - Fine-medium SAND, trace shell fragments | | | |
| 2 | | | | | | | | | | |
| | | 1.6' / 2.0' | SBP-SO-545-0204 1/7/04 @ 1330 Screening and Confirmation DUP 12 1/7/04 @1335 | | | Tan | 0' - 0.2' - Similar to above<br>0.2' - 0.4' - Similar to above – color change only | | | PID=0.4 FID=0.0 |
| 3 | | | | | | Dark Gray | 0.4' - 0.7' - Silty fine SAND | SM | | |
| | | | | | | Black | 0.7' - 1.1' - Fine sandy SILT<br>1.1' - 1.6' - Silty fine-medium SAND and metal fragments (possible crushed tin cans) | ML<br>SM/Fill | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID=B / PID= B Flag number 627 Former Landfill area – field next to mini golf course BORING NO.: 545 |

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 546 |
| PROJECT NO.: | N1369 | START DATE: | 1/7/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/7/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | NA | | | | | | Ballfield - Grass Surface | | | | |
| | | 1.6' / 2' | SBP-SO-546-0002 Screening 1/7/04 @ 1320 | | Dense | Red Brown | Silty SAND. Fine-medium sand, poorly graded, organic roots | SM/Fill | Grass/root plug = approximately 2" Damp | 0.0 | 0.0 |
| 1 | | | | | Loose | Tan-Gray | SAND. Fine-medium sand, poorly graded, seashells | SP/Fill | | 0.0 | 0.0 |
| | | | | | Dense | Black | ASPHALT chunks | Fill | | 0.0 | 0.0 |
| 2 | | | | | | | | | | | |
| | | 2' / 2' | SBP-SO-546-0204 Screening 1/7/04 @ 1325 | | Loose | Tan-Gray | SAND. Fine-medium sand, poorly graded, seashells | SP/Fill | Saturated sand at 2' | 0.0 | 0.0 |
| | | | | | Dense | Dark Gray | Silty SAND, trace gravel. Fine-medium sand, trace coarse sand, poorly graded, fine gravel subrounded to ¼" | | | 39.9 | 0.0 |
| 3 | | | | | Loose | Gray-Black | SAND. Fine-medium sand, poorly graded | | | | |
| | | | | | | Dark Gray | SAND, trace gravel. Fine-medium sand, trace coarse sand, trace fine gravel subrounded to ½" | | Dry | 62.4 | 0.0 |
| 4 | | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I Flag Number 455 Former Landfill Area |

BORING NO.: 546

Tetra Tech NUS, Inc.



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 547 |
| PROJECT NO.: | N1369 | START DATE: | 1/7/04 |
| LOGGED BY: | J. Lambert | COMPLETION: DATE: | 1/7/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JD |

TRANSCRIBED BY: DH

ELEVATION FROM:

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | 0' - 0.2' - Grass/roots | | | |
| | | 1.7' / 2.0' | SBP-SO-547-0002 Screening 1/7/04 @ 1340 | | Slightly Loose | Dark Red | 0.2' - 0.6' - Silty fine SAND, trace coarse sand, some organics (roots) | SM | Moist | PID=0.3 FID=0.0 |
| 1 | | | | | | Light Brown | 0.6' - 1.2' - Fine-medium SAND, some silt, trace organics (roots) | SP | | |
| | | | | | | Tan | 1.2' - 1.7' - Fine-medium SAND | | | |
| 2 | | | | | | | | | | |
| | | 1.6' / 2.0' | SBP-SO-547-0204 Screening 1/7/04 @ 1345 | | | Dark Gray | 0' - 0.5' - Similar material to above<br>0.5' - 0.6' - SILT, trace fine sand | ML | | PID=0.3 FID=0.0 |
| 3 | | | | | Slightly Dense | Black | 0.6' - 1.0' - Silty fine-medium SAND, plastic (hard) at 0.9' | SM/Fill | | |
| | | | | | | | | | | |
| 4 | | | | | | | 1.0' - 1.6' - Silty fine-coarse SAND, wood pieces | | | |
| | | | | EOB @ 4' bgs | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID=B PID= B Flag number 654 Former Landfill area – field next to mini golf course |

BORING NO.: 547

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 548 |
| PROJECT NO.: | N1369 | START DATE: | 1/7/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/7/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Ballfield - Grass Surface | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 2' / 2' | SBP-SO-548-0002 Screening 1/7/04 @ 1340 | | Dense | Red Brown | Silty SAND. Fine-medium sand, poorly graded, organic roots | SM/Fill | Grass/root plug = approximately 2" (frozen) | 0.0 | 0.0 |
| 1 | | | | | | | | | | | |
| | | | | | Loose | Tan-Gray | SAND. Fine-medium sand, poorly graded, seashell fragments | SP/Fill | | 0.0 | 0.0 |
| 2 | | | | | | | | | | | |
| | | 2' / 2' | SBP-SO-548-0204 Screening 1/7/04 @ 1345 | | | | | | Saturated sand | | |
| 3 | | | | | Dense | Dark Brown | Silty SAND, some gravel. Fine-medium sand, poorly graded, fine to coarse gravel subrounded to ½" – 1", organic roots/reeds | SM/Fill | | 88 | 0.0 |
| | | | | | Loose | Black-Gray | SAND. Fine-medium sand, poorly graded, organic roots/reeds | SP/Fill | Damp only | 106 | 0.0 |
| 4 | | | | | | | | | | 45 | 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule (Mule) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I Flag Number 503 Former Landfill Area |

BORING NO.: 548

Tetra Tech NUS, Inc.



TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 549 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/7/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 1/7/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0' - 0.2' - Grass/roots | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.6 / 2.0' | SBP-SO-549-0002 Screening 1/7/04 @ 1400 | | Slightly Dense | Dark Red | 0.2' - 0.7' - Silty fine-medium SAND, trace coarse sand, some organics (roots) | SM | Moist | PID=0.2 FID=0.0 |
| 1 | | | | | | Gray | 0.7' - 1.0' - Fine-medium SAND, trace shell fragments | SP | | |
| | | | | | | Black | 1.0' - 1.2' - WOOD (stained) | Fill | | |
| | | | | | | Dark Gray | 1.2' - 1.6' - Fine-medium SAND, some silt | SP | | |
| 2 | | | | | | | | | | |
| | | 1.1' / 2.0' | SBP-SO-549-0204 Screening 1/7/04 @ 1405 | | Slightly Loose | Gray | 0' - 0.6' - Fine-medium SAND | | | PID=0.5 FID=0.0 |
| | | | | | | Black | 0.6' - 0.9' - Fine sandy SILT and FILL- plastic, glass and wood | SM/Fill | | |
| 3 | | | | | Slightly Dense | | | | | |
| | | | | | Slightly Loose | Brown | 0.9' - 1.0' - Silty fine-coarse SAND | SM | | |
| 4 | | | | | | Black | 1.0' - 1.1' - Fine sandy SILT and FILL, glass, wood | ML/Fill | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | | |
|---|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (rig 2) | | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | | |
| METHOD OF ROCK CORING: | N/A | | | |
| GROUNDWATER LEVELS: | | | | |
| OTHER OBSERVATIONS: | Phase I FID= B / PID= B Flag number 605 Former Landfill area – field near mini golf course | BORING NO.: 549 | | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 550 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/7/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: | RAC | COMPLETION: DATE: | 1/7/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Ballfield - Grass Surface | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.8' / 2' | SBP-SO-550-0002 Screening 1/7/04 @ 1400 | | Dense | Red - Brown | Silty SAND, trace gravel. Fine-medium sand, poorly graded, fine subrounded gravel to ½", organic roots | SM/Fill | Grass/root plug = approximately 2" Damp | 1.1 | 0.0 |
| 1 | | | | | Loose | Tan-Gray | SAND. Fine-medium sand, poorly graded | SP/Fill | | 8.4 | 0.0 |
| | | | | | Dense | Black | Silty SAND, some gravel. Fine to coarse sand, well graded, fine to coarse gravel subangular to ½" – 1", rock fragments/crushed stone | SM/Fill | Frozen soil | | |
| 2 | | | | | ↓ | ↓ | ↓ | ↓ | | 23.7 | 0.0 |
| | | 1.1' / 2' | SBP-SO-550-0204 Screening 1/7/04 @ 1405 | | Loose | Tan-Gray | SAND. Fine-medium sand, poorly graded | SP/Fill | Saturated sand at 2' | | |
| 3 | | | | | Dense | Black | Silty SAND, some gravel. Fine to coarse sand, well graded, fine to coarse gravel subangular to subrounded ½" – 1", organic material | SM/Fill | | 218.7 | 0.0 |
| | | | | | ↓ | ↓ | ↓ | ↓ | | | |
| 4 | | | | | | | Fibrous pad at end of liner – long non-shiny hairs (possible hair or fur) | Fill | Possible Geotextile | 817 | 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 779 Former Landfill Area | BORING NO.: 550 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 551 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/7/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 1/7/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD/ | CLR | MATERIAL CLASSIFICATION 0' - 0.3' - Grass/roots | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.7' / 2.0' | SBP-SO-551-0002 Screening 1/7/04 @ 1430 | | Slightly Loose | Dark Red | 0.3' - 0.7' - Silty fine-medium SAND, some organics (roots) | SM | Moist | PID=0.2 FID=0.0 |
| 1 | | | | | | Tan | 0.7' - 1.4' - Fine-medium SAND, trace organics (roots), trace glass | SP/Fill | | |
| | | | | | | | | | | |
| 2 | | | | | | Dark Brown | 1.4' - 1.7' - Silty fine SAND | SM | | |
| | | 1.9' / 2.0' | SBP-SO-551-0204 Screening 1/7/04 @ 1435 | | | | 0' - 0.1' - Similar material to above<br>0.1' - 0.2' - SLAG | Fill | | PID=0.5 FID=0.0 |
| 3 | | | | | Slightly Dense | Black | 0.2' - 0.8' - Fine-coarse SAND, some fine gravel, trace silt | SW | | |
| | | | | | | Dark Gray | 0.8' - 1.6' - Fine-coarse SAND, some fine gravel, trace silt, metal fragments, wood | SW/Fill | | |
| 4 | | | | | Very Dense | Black | 1.6' - 1.9' - Asphalt | Fill | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | | |
|---|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (rig 2) | | | *Tetra Tech NUS, Inc.* |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | | |
| METHOD OF ROCK CORING: | N/A | | | |
| GROUNDWATER LEVELS: | | | | |
| OTHER OBSERVATIONS: | Phase I FID= B / PID= B | Flag number 584 | Former Landfill area – field next to mini golf course | BORING NO.: 551 |



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 552 |
| PROJECT NO.: | N1369 | START DATE: | 1/7/04 |
| LOGGED BY: | K. Jalkut | COMPLETION: DATE: | 1/7/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JL |

TRANSCRIBED BY: RAC

ELEVATION FROM:

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | NA | | | | | | Ballfield - Grass Surface | | | | |
| | | 1.6' / 2' | SBP-SO-552-0002 Screening 1/7/04 @ 1415 | | Dense | Red-Brown | Silty SAND, trace gravel. Fine-medium sand, poorly graded, organic roots, coarse gravel subrounded to ¾" | SM/Fill | Grass/root plug = approximately 2" (frozen) Damp | 0.0 | 0.0 |
| 1 | | | | | | | | | | | |
| | | | | | Loose | Tan-Gray | SAND. Fine-medium sand, poorly graded | SP/Fill | | 0.0 | 0.0 |
| 2 | | | | | | | | | | | |
| | | 2' / 2' | SBP-SO-552-0204 Screening 1/7/04 @ 1420 | | | | SAND. Fine-medium sand, poorly graded | | Saturated sand at 2' | 0.0 | 0.0 |
| 3 | | | | | | | | | | | |
| | | | | | Dense | Black/Gray | SILT, trace sand. Mostly silt, fine-medium sand layers (bedded) in 1/8" intervals (gray), organic roots/reeds | ML/OL | Soft material | 0.8 | 0.0 |
| 4 | | | | | | Black | SAND, some gravel. Fine to coarse sand, well graded, fine to coarse gravel subrounded to ½" – 1" | SWFill | Frozen soil | 0.0 | 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule (Mule) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I Flag Number 474 Former Landfill Area |

BORING NO.: 552

Tetra Tech NUS, Inc.



TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 553 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/7/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 1/7/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0' - 0.2' - Grass/roots | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.8' / 2.0' | SBP-SO-553-0002 Screening 1/7/04 @ 1445 | | Slightly Loose | Dark Brown | 0.2' - 0.6' - Fine-medium SAND, some organics (roots) | SP | | PID=0.0 FID=0.0 |
| 1 | | | | | ↓ | Gray | 0.6' - 1.2' - Fine-medium SAND | ↓ | | |
| | | | | | Slightly Dense | Brown | 1.2' - 1.8' - Fine-coarse SAND, trace subangular-subrounded gravel | SW | | |
| 2 | | | | | ↓ | Gray-Brown | 1.8' - 1.9' - Fine-coarse SAND, some glass | SW/Fill | Frozen | |
| | | 1.5' / 2.0' | SBP-SO-553-0204 Screening 1/7/04 @ 1450 | | Slightly Loose | Dark Brown | 0' - 0.1' - Silty fine SAND | SM/Fill | | PID=0.5 FID=0.0 |
| 3 | | | | | Slightly Dense | ↓ | 0.1' - 1.5' - Silty fine-coarse SAND, trace glass, slag fragments | ↓ | | |
| | | | | | ↓ | ↓ | | | | |
| 4 | | | | | ↓ | ↓ | | ↓ | | |
| | | | | EOB 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (rig 2) | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I FID= B / PID= B Flag number 562 Former Landfill area | BORING NO.: 553 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 554 |
| PROJECT NO.: | N1369 | START DATE: | 1/7/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/7/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | NA | | | | | | Ballfield - Grass Surface | | | | |
| | | 1.7' / 2' | SBP-SO-554-0002 Screening 1/7/04 @ 1440 | | Dense | Red Brown | Silty SAND, trace gravel. Fine-medium sand, poorly graded, fine gravel subrounded to ½", organic roots | SM/Fill | Grass/root plug = approximately 3" (frozen) | 0.0 | 0.0 |
| 1 | | | | | | | | | | | |
| | | | | | Loose | Tan-Gray | SAND. Fine-medium sand, poorly graded | SP/Fill | Damp sand | 0.0 | 0.0 |
| 2 | | | | | | | | | | | |
| | | | SBP-SO-554-0204 Screening 1/7/04 @ 1445 | | | | | | Saturated sand at 2' | 0.0 | 0.0 |
| 3 | | | | | | | | | | | |
| | | | | | Dense | Black | - Color change to black fine-medium sand SILT with organics | OL/Fill | Damp fines (soft) | 0.0 | 0.0 |
| 4 | | | | | | | Silty SAND, some gravel. Fine-medium sand, trace coarse sand, coarse gravel subrounded to 1", organic roots | SM/Fill | | 6.5 | 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I Flag Number 498 Former Landfill Area |

BORING NO.: 554

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 555 |
| PROJECT NO.: | N1369 | START DATE: | 1/7/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 1/7/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.4' / 2.0' | SBP-SO-555-0002 Screening 1/7/04 @ 1500 | | Slightly Loose | Light Brown | 0.2' - 0.6' - Silty fine SAND, trace gravel | SM | Moist | PID=0.3 FID=0.0 |
| 1 | | | | | Loose | Brown | 0.6' - 1.4' - Fine-coarse SAND and GRAVEL, some silt | SW | | |
| 2 | | | | | | | | | | |
| | | 1.9' / 2.0' | SBP-SO-555-0204 Screening and confirmation 1/7/04 @ 1505 | | Slightly Dense | Dark Red | 0' - 0.3' - Fine-medium SAND, trace silt<br>0.3' - 0.5' - Silty fine SAND, trace gravel | SP<br>SM | | PID=0.3 FID=0.0 |
| 3 | | | | | | Dark Gray | 0.5' - 0.9' - Fine SAND | SP | | |
| | | | | | | Off White | 0.9' - 1.3' - Fine-coarse SAND, trace gravel –concrete fragments | SW/Fill | Dry | |
| 4 | | | | | Slightly Loose | Dark Gray | 1.3' - 1.9' - Silty fine SAND | SM | Moist | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID=B PID= B Flag number 492 Former Landfill area – field by mini golf course |

BORING NO.: 555

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 556 |
| PROJECT NO.: | N1369 | START DATE: | 1/7/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/7/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | NA | | | | | | Ballfield - Grass Surface | | | | |
| | | 1.8' / 2' | SBP-SO-556-0002 Screening 1/7/04 @ 1505 | | Dense | Red Brown | Silty SAND, some gravel. Fine-medium sand, poorly graded, fine gravel subrounded to ½", organic roots | SM/Fill | Grass/root plug = approximately 2" | 0.0 | 0.0 |
| 1 | | | | | Loose | Gray | GRAVEL/ROCK FRAGMENTS | GP/Fill | | | |
| | | | | | ↓ | Brown | SAND, some gravel. Fine-medium sand, poorly graded, fine gravel subrounded to ½" | SP/Fill | | 0.0 | 0.0 |
| 2 | | | | | ↓ | ↓ | | ↓ | | | |
| | | 1.4' / 2' | SBP-SO-556-0204 Screening 1/7/04 @ 1510 | | Dense | ↓ | Silty SAND, trace gravel. Fine-medium sand, poorly graded, fine gravel subrounded to ¼" | SM/Fill | Damp | 0.0 | 0.0 |
| 3 | | | | | Loose | Tan-Gray | SAND. Fine-medium sand | SP/Fill | | | |
| | | | | | Dense | Brown | Silty SAND, trace gravel. Fine-medium sand, poorly graded, fine gravel subrounded to ½", plastic, newspaper | SM/Fill | | 0.0 | 0.0 |
| 4 | | | | | ↓ | ↓ | | ↓ | | | |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I Flag Number 642 Former Landfill Area |

BORING NO.: 556

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 557 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/7/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 1/7/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JD |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | 0' - 0.2' - Grass/roots | | | |
| | | 1.7' / 2.0' | SBP-SO-557-0002 Screening 1/7/04 @ 1515 | | Slightly Loose | Brown | 0.2' - 0.8' - Silty fine SAND, trace organics (roots) | SM | Moist | PID=0.3 FID=0.0 |
| 1 | | | | | Slightly Dense | | 0.8' - 1.3' - Fine-coarse SAND, some silt, trace fine gravel | SW | | |
| | | | | | Slightly Loose | Dark Red | 1.3' - 1.7' - Fine coarse SAND, trace silt | | | |
| 2 | | | | | | | | | | |
| | | 1.3' / 2.0' | SBP-SO-557-0204 Screening 1/7/04 @ 1520 | | Loose | Off - White Gray | 0' - 0.4' - Pulverized concrete<br>0.4' - 0.6' - Fine-medium SAND | Fill<br>SP | Dry<br>Moist | PID=0.4 FID=0.0 |
| 3 | | | | | Slightly Dense | Brown | 0.6' - 0.8' - Silty fine SAND | SM | | |
| | | | | | | Black | 0.8' - 1.3' - Fine-medium SAND, some silt, glass fragments | SP/Fill | | |
| 4 | | | | | | | | | | |
| | | | | EOB@ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID=B / PID= B Flag number 534 Former Landfill area – field next to mini golf course BORING NO.: 557 |

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 558 |
| PROJECT NO.: | N1369 | START DATE: | 1/7/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/7/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Ballfield | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.6' / 2' | SBP-SO-558-0002 Screening 1/7/04 @ 1530 | | Loose | Red - Brown | SAND, some silt, trace gravel. Fine-medium sand, fine gravel subrounded to ½", organic roots | SM/Fill | Grass/root plug = approximately 2" (frozen) | 0.0 | 0.0 |
| 1 | | | | | | Tan-Gray | SAND. Fine-medium sand, poorly graded, seashells | SP/Fill | | 0.0 | 0.0 |
| 2 | | | | | | | | | | | |
| | | 2' / 2' | SBP-SO-558-0204 Screening 1/7/04 @ 1535 | | Dense | Tan-Gray | SAND, trace silt. Fine-medium sand, poorly graded | | | 0.0 | 0.0 |
| 3 | | | | | | Black | SILT, organics | OL/Fill | Damp | | |
| | | | | | | | Silty SAND, some gravel. Fine to coarse sand, well graded, fine to coarse subrounded and subangular gravel ½" – 1" | SM/Fill | | 26.2 | 0.0 |
| 4 | | | | | | | GRAVEL layer – 2" Silty SAND, some gravel, similar to above | GP/Fill SM/Fill | | 34.3 | 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I Flag Number 519 Former Landfill Area |

BORING NO.: 558

Tetra Tech NUS, Inc.



TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 559 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/7/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 1/7/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0' - 0.2' - Grass/roots | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.5' / 2.0' | SBP-SO-559-0002 Screening 1/7/04 @ 1535 | | Slightly Loose | Brown | 0.2' - 0.7' - Silty fine SAND, some organics (roots) | SM | Moist | PID=0.0 FID=0.0 |
| 1 | | | | | ↓ | Gray | 0.7' - 0.8' - GRAVEL, some fine medium sand | GP | Dry | |
| | | | | | Slightly Dense | Tan | 0.8' - 1.0' - Fine coarse SAND, some gravel | SW | Moist | |
| 2 | | | | | ↓ | Brown Dark Red | 1.0' - 1.4' - Silty fine-medium SAND 1.4' - 1.5' - Fine-medium SAND, some silt | SM SP | ↓ | |
| | | 1.4' / 2.0' | SBP-SO-559-0204 Screening 1/7/04 @ 1540 | | ↓ | Black | 0' - 0.1' - Similar material to above 0.1' - 0.6' - Fine-medium SAND, some silt | ↓ | ↓ | PID=0.0 FID=0.0 |
| 3 | | | | | ↓ | ↓ | 0.6' - 1.1' - Silty fine-medium SAND, trace rounded-subrounded gravel | SM ↓ | ↓ | |
| | | | | | ↓ | ↓ | | ↓ | ↓ | |
| 4 | | | | | Slightly Loose | Gray | 1.1' - 1.4' - Fine-medium SAND | SP | ↓ | |
| | | | | EOB @ 4' bgs | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (rig 2) | | *Tetra Tech NUS, Inc.* |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I FID= B / PID= B Flag number 512 Former Landfill area – field next to mini golf course | BORING NO.: 559 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | BORING NO.: 560 |
| PROJECT NO.: | N1369 | | START DATE: 1/7/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/7/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Golf Course | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.8' / 2' | SBP-SO-560-0002 Screening 1/7/04 @ 1545 | | Dense | Red - Brown | SAND, some silt, trace gravel. Fine-medium sand, poorly graded, fine gravel subrounded to ½", organic roots | SM/Fill | Grass/root plug = approximately 2" | 0.0 | NR |
| 1 | | | | | | | | | | | |
| | | | | | Loose | Tan-Gray | SAND. Fine-medium sand, poorly graded, seashells | SP/Fill | | 0.0 | NR |
| 2 | | | | | | | | | | | |
| | | 2' / 2' | SBP-SO-560-0204 Screening 1/7/04 @ 1550 | | | | SAND. Fine-medium sand, poorly graded, seashells | | | 0.0 | NR |
| 3 | | | | | Dense | Dark Brown | Silty SAND, trace gravel, organic roots/reeds. Fine-medium sand, poorly graded, fine gravel subrounded to ½" | SM/Fill | | 0.0 | NR |
| | | | | | | | | | | | |
| 4 | | | | | | Dark Gray | SAND, organic roots. Fine to coarse sand, well graded, wood chunks and roots | SP/Fill | | 0.0 | NR |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule | Note: "A" PID not functioning FID = A NR = No reading | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 620 Former Landfill Area | BORING NO.: 560 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 561 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/7/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 1/7/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0' - 0.2' - Grass/roots | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.6' / 2.0' | SBP-SO-561-0002 Screening 1/7/04 @ 1555 | | Slightly Loose | Brown | 0.2' - 1.2' - Silty fine-medium SAND, asphalt piece | SM/Fill | Moist | PID=0.0 FID=0.0 |
| 1 | | | | | Slightly Dense | Dark Red | 1.2' - 1.5' - Fine-medium SAND, some silt, trace subangular - subrounded gravel | SP | | |
| | | | | | | | | | | |
| 2 | | | | | Slightly Loose | Gray | 1.5' - 1.6' - Fine-medium SAND | | | |
| | | 1.7' / 2.0' | SBP-SO-561-0204 Screening 1/7/04 @ 1600 | | | | 0' - 1.1' - Similar to above, piece of fabric | SP/Fill | | PID=0.0 FID=92.2 |
| 3 | | | | | | Orange | 1.1' - 1.2' - Fine SAND | | | |
| | | | | | | Black | 1.2' - 1.5' - Silty fine-medium SAND, trace wood | SM/Fill | | |
| 4 | | | | | | Dark Gray | 1.5' - 1.7' - Fine-medium SAND, some silt, some glass | SP/Fill | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | | | |
|---|---|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (rig 2) | | | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | | | |
| METHOD OF ROCK CORING: | N/A | | | | |
| GROUNDWATER LEVELS: | | | | | |
| OTHER OBSERVATIONS: | Phase I FID= B PID= B Flag number 603 Former Landfill area – field next to mini golf course | BORING NO.: 561 | | | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 561A |
| PROJECT NO.: | N1369 | START DATE: | 1/26/04 |
| LOGGED BY: | K. Jalkut | COMPLETION: DATE: | 1/27/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling and Testing/M. Sarro | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JL |

TRANSCRIBED BY: RAC

ELEVATION FROM:

| | DEPTH (FEET) 0 | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 3 sleeves | | | 2.0' / 2.0' | SBP-SO-561A-0002<br>Full Suite less dioxin and SPLP – LAB QC<br>1/26/04 @ 1530 | | | | Refer to Boring Log Number 561 for soil profile descriptions from 0' – 4' | | Grass/root plug = approximately 3"<br>No visible PACM/waste<br>Frozen sections collected<br>VOCs at 1.5' (0.8 ppm)<br>No visible geomembrane | FID = 0.7<br>PID = 0 |
| | | | | | | | | | | | FID = 0.8<br>PID = 0 |
| | | | | | | | | | | | FID = 0.8<br>PID = 0 |
| | 2 | | | | | | | | | | FID = 0.7<br>PID = 0 |
| | | | 2.0' / 2.0' | SBP-SO-561A-0204<br>Full Suite less dioxin and SPLP<br>1/26/04 @ 1600 | | | | | | No visible PACM/waste<br>Damp<br>No visible geomembrane | FID = 4.1<br>PID = 0 |
| 2 sleeves | | | | | | | | | | | FID = 2.3<br>PID = 0 |
| | 4 | | | | | | | | | | FID = 89<br>PID = 0 |
| | | | 1.9' / 2.0' | SBP-SO-561A-0406<br>Full Suite less dioxin and SPLP<br>1/27/04 @ 0830 | | Dense | Brown | SAND, trace silt, trace gravel. Fine-medium sand, trace coarse sand, poorly graded, fine gravel to ¼", subrounded coarse gravel to 1" subrounded (1 piece), seashells, dry roots | SP/Fill | Damp at 4'<br>No visible PACM/waste<br>No visible geomembrane | FID = 5.4<br>PID = 0 |
| 2 sleeves = 4' | | | | | | Loose<br>Dense<br>Loose | Red-Brown<br>White<br>Brown<br>Black | - Silty SAND, trace gravel, fine-medium sand poorly graded, fine gravel to ½" subrounded, roots<br>- FILL - Trap rock layer, coarse gravel fragments to 1 ½"<br>- Silty SAND similar to above<br>- FILL, burned wood chunks, plastic, glass, metal, organics | SM/Fill<br>Fill<br>SM<br>Fill | Damp<br>Damp | FID = 575<br>PID = 0 |
| | 6 | | | | | | | | | | FID = 274<br>PID = 0 |
| | | | 1.0' / 2.0' | SBP-SO-561A-0608<br>1/27/04 @ 0900 | | | Brown | SAND, some silt, trace gravel, fine-medium sand, trace poorly graded coarse gravel subrounded to 1" | SM/Fill | Poor recovery | FID = 583<br>PID = 0 |
| | | | | | | | Black | Similar to above with charred wood, glass, metal debris | | Damp | FID = 236<br>PID = 0 |
| 2 sleeves = 4' | | | | | | | | | | Material saturated at 7.5', petroleum like odor | |
| | 8 | | | | EOB @ 8' bgs | | | EOB @ 8' bgs – Backfill with Bentonite chips (8' – 1') and topsoil (1' – 0') | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – LT 54 |
| METHOD OF ADVANCING BORING: | Direct Push Technique |
| METHOD OF SOIL SAMPLING: | Macro-Core Open tube. Continuous sampling in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | Approximately 7.7' bgs (Driller reported $H_20$ at approximately 7.7') |
| OTHER OBSERVATIONS: | Phase II – Former Landfill Area – Flag number 603 |

Note:
PACM = Potential asbestos containing material
PID = B
FID = B Failed, won't stay lit, using FID D until replacement occurs
Full Suite = SVOC, Pesticides/PCBs, metals, dioxin, SPLP metals, asbestos, and VOCs

BORING NO.: 561A

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 562 |
| PROJECT NO.: | N1369 | START DATE: | 1/7/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/7/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Golf Course | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.7' / 2' | SBP-SO-562-0002 Screening 1/7/04 @ 1600 | | Loose | Tan-Gray | SAND, trace gravel. Fine-medium sand, poorly graded, fine gravel subrounded to ½", seashells, organic roots | SP/Fill | Grass/root plug = approximately 2" | 0.0 | NR |
| 1 | | | | | Dense | Black | Silty SAND, some gravel, organic roots. Fine-medium sand, trace coarse sand, fine to coarse subrounded – subangular gravel to ½" – 1", organic roots | SM/Fill | | 97 | NR |
| | | | | | | | | | Damp | 68 | NR |
| 2 | | | | | | | | | | | |
| | | | SBP-SO-562-0204 Screening 1/7/04 @ 1605 | | | | Silty SAND, some gravel, organic roots - Similar to above, with wood chunk | | Damp | 70 | NR |
| 3 | | | | | | Gray - Brown | SAND, trace gravel, trace silt. Fine-medium sand, poorly graded, fine gravel subrounded to ½", seashells, organic roots | SP/Fill | | | |
| | | | | | | | | | | 187 | NR |
| 4 | | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule | Note: "A" PID not functioning FID = A NR = No reading | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 551 Former Landfill Area | BORING NO.: 562 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 563 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/7/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 1/7/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0' - 0.2' - Grass/roots | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.6' / 2.0' | SBP-SO-563-0002 Screening 1/7/04 @ 1615 | | Slightly Dense | Brown | 0.2' - 0.7' - Silty fine SAND, trace coarse sand | SM | Moist (frozen) | PID=0.0 FID=0.0 |
| 1 | | | | | | Dark Red | 0.7' - 1.5' - Silty fine-medium SAND, trace coarse sand | | | |
| | | | | | | | | | | |
| 2 | | | | | Slightly Loose | Gray | 1.5' - 1.6' - Fine-medium SAND | SP | | |
| | | 1.5' / 2.0' | SBP-SO-563-0204 Screening 1/7/04 @ 1620 | | | | 0' - 1.1' - Similar to above | | | PID=0.0 FID=0.0 |
| 3 | | | | | | Black | 1.1' - 1.5' - Silty fine-medium SAND, trace wood fragments | SM/Fill | | |
| | | | | | | | | | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| | | | | | |
|---|---|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (rig 2) | | | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | | | |
| METHOD OF ROCK CORING: | N/A | | | | |
| GROUNDWATER LEVELS: | | | | | |
| OTHER OBSERVATIONS: | Phase I FID= B PID= B Flag number 625 Former Landfill area – field next to mini golf | | | BORING NO.: 563 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 564 |
| PROJECT NO.: | N1369 | START DATE: | 1/7/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/7/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Golf Course | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.8' / 2' | SBP-SO-564-0002 Screening and Confirmation 1/7/04 @ 1610 | | Dense | Red - Brown | SAND, some silt, trace gravel. Fine-medium sand, poorly graded, fine gravel subrounded to ½", organic roots | SM/Fill | Grass/root plug = approximately 3" Frozen soil | 0.0 | NR |
| 1 | | | | | Loose | Tan-Gray | SAND. Fine-medium sand, poorly graded, seashells | SP/Fill | | 0.0 | |
| | | | | | Dense | Black | Silty SAND, some gravel. Fine-medium sand, trace coarse sand poorly graded, fine gravel subrounded to ½", organic reeds, roots, wood | SM/Fill | Damp | 63.7 | |
| 2 | | | | | | | | | | | |
| | | 1.2' / 2' | SBP-SO-564-0204 Screening 1/7/04 @ 1615 | | | Red - Gray | SAND, some silt. Fine-medium sand, poorly graded, organic roots | | Frozen soil | 58.2 | |
| 3 | | | | | Loose | Black | Silty SAND, some gravel. Fine-medium sand, poorly graded, fine gravel subrounded to ½", crushed rock fragments (3") | | | | |
| | | | | | Dense | Gray | SAND, organic material. Fine-medium poorly graded sand, wood chunk | | | 73 | |
| 4 | | | | | | | | | | 137 | |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule | Note: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | PID A not working | |
| METHOD OF ROCK CORING: | N/A | NR = No reading | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 529 Former Landfill Area | BORING NO.: 564 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 565 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/7/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 1/7/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD | CLR | MATERIAL CLASSIFICATION 0' - 0.2' - Grass/roots | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.7' / 2.0' | SBP-SO-565-0002 Screening 1/7/04 @ 1635 | | * | Brown | 0.2' - 0.8' - Fine-medium SAND, some silt | SP | | PID=0.0 FID=0.0 |
| 1 | | | | | | Gray | 0.8' - 1.3' - Fine-coarse SAND, trace gravel, trace silt | SW | | |
| | | | | | | ↓ | | ↓ | | |
| 2 | | | | | | Dark Red | 1.3' - 1.7' - Silty fine-medium SAND | SM | | |
| | | 1.1' / 2.0' | SBP-SO-565-0204 Screening 1/7/04 @ 1640 | | | Gray | 0' - 0.4' - Fine-medium SAND | SP | | PID=0.0 FID=0.0 |
| 3 | | | | | | Dark Gray | 0.4' - 0.7' - Fine-coarse SAND, trace silt | SW | | |
| | | | | | | ↓ | | ↓ | | |
| 4 | | | | | | ↓ | 0.7' - 1.1' - Fine SAND, some medium sand | SP | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (rig 2) | Note: * Soil frozen- impossible to determine relative density and moisture | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I FID= B PID= B Flag number 560 Former Landfill area – field next to mini golf course | BORING NO.: 565 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | BORING NO.: 566 |
| PROJECT NO.: | N1369 | | START DATE: 1/7/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/7/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Golf Course | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.8' / 2' | SBP-SO-566-0002 Screening 1/7/04 @ 1625 | | Dense | Brown Gray | SAND, some silt. Fine-medium sand, poorly graded, organic roots, styrofoam, seasells | SM/Fill | Grass/root plug = approximately 3" | 0.0 | NR |
| 1 | | | | | | Tan - Gray | SAND. Fine-medium sand, poorly graded, seashells | SP/Fill | Frozen soil | 0.0 | |
| | | | | | | Black | One 1" interval of silty sand with organic fibers, fine-medium sand, poorly graded, black | SM/Fill | | 0.0 | |
| 2 | | | | | | Tan-Gray | SAND. Fine-medium sand, poorly graded, seashells | SP/Fill | | | |
| | | 1.8' / 2' | SBP-SO-566-0204 Screening 1/7/04 @ 1630 | | | | SAND. Fine-medium sand, poorly graded, organic roots/reeds, plastic | | | 0.0 | |
| 3 | | | | | | Black<br>Tan-Gray | One 2" interval of silty sand with organic reeds, black<br>SAND. Fine-medium sand, poorly graded, organic roots/reeds, plastic | SM/Fill<br>SP/Fill | | | |
| | | | | | | | Silty SAND, organics. Fine-medium sand, poorly graded, red plastic pieces, organic roots/reeds | SM/Fill | | 0.0 | |
| 4 | | | | | | | SAND. Fine-medium poorly graded, seashells | SP/Fill | | 0.0 | |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule | Notes: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | PID = A (not working) | |
| METHOD OF ROCK CORING: | N/A | FID = A | |
| GROUNDWATER LEVELS: | | NR = No reading | |
| OTHER OBSERVATIONS: | Phase I Flag Number 577 Former Landfill Area | BORING NO.: 566 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 567 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/7/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 1/7/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD | CLR | MATERIAL CLASSIFICATION 0 - 0.2' - Grass/roots | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.6' / 2.0' | SBP-SO-567-0002 Screening 1/7/04 @ 1655 | | * | Brown | 0.2' - 1.1' - Fine-coarse SAND, some silt | SW | | PID=0.0 FID=0.0 |
| 1 | | | | | | | | | | |
| | | | | | | Dark Red | 1.1' - 1.6' - Fine-medium SAND, trace silt, trace subangular gravel | SP | | |
| 2 | | | | | | | | | | |
| | | 1.6' / 2.0' | SBP-SO-567-0204 Screening 1/7/04 @ 1700 | | | Gray | 0' - 0.1' - Similar material to above<br>0.1' - 0.4' - Fine-medium SAND | | | PID=0.0 FID=0.0 |
| 3 | | | | | | Dark Gray | 0.4' - 0.8' - Fine-coarse SAND, trace glass | SW/Fill | | |
| | | | | | | Black | 0.8' - 1.1' - Silty fine-medium SAND, some glass, piece of ceramic<br>1.1' - 1.6' - Silty fine SAND | SM/Fill SM | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (rig 2) | Note: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | * = Soil is frozen; impossible to determine relative density and moisture | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I FID= B PID= B Flag number 582 Former Landfill area – field next to mini golf course | BORING NO.: 567 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 568 |
| PROJECT NO.: | N1369 | START DATE: | 1/7/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/7/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Golf Course | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 2' / 2' | SBP-SO-568-0002 Screening 1/7/04 @ 1640 | | Dense | Brown | Silty SAND. Fine-medium sand, poorly graded, organic roots, seashells | SM/Fill | Grass/root plug = approximately 3" Frozen soil | NR * | NR * |
| 1 | | | | | | Tan - Gray | SAND. Fine-medium sand, poorly graded, seashells | SP/Fill | | | |
| 2 | | | | | | | | | | | |
| | | 2' / 2' | SBP-SO-568-0204 Screening 1/7/04 @ 1645 | | | | | | | | |
| 3 | | | | | | Black Tan-Gray | One 1" silty sand interval with organics, plastic pieces SAND. Fine-medium sand, poorly graded, seashells | SM/Fill SP/Fill | | | |
| 4 | | | | | | Brown | Silty SAND, some organics. Fine-medium sand, trace coarse sand, poorly graded, wood chunk | SM/Fill | | | |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule | Note: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | * = PID and FID not working – too cold | |
| METHOD OF ROCK CORING: | N/A | NR = No reading | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 599 Former Landfill area | BORING NO.: 568 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 569 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/8/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 1/8/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0' - 0.2' - Grass/roots | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.6' / 2.0' | SBP-SO-569-0002 Screening 1/8/04 @ 0900 | | Dense * | Brown | 0.2' - 0.8' - Silty fine SAND, trace organics (roots) | SM | Damp | PID=0.5 FID=0.0 |
| 1 | | | | | | | | | | |
| | | | | | | Light Brown | 0.8' - 1.6' - Fine-coarse SAND, trace gravel (angular-subangular) | SW | | |
| 2 | | | | | | | | | | |
| | | 1.9' / 2.0' | SBP-SO-569-0204 Screening and confirmation 1/8/04 @ 0905 | | | Brown | 0' - 0.4' - Silty fine SAND | SM | | PID=0.0 FID=0.0 |
| 3 | | | | | | Dark Red | 0.4' - 1.0' - Silty fine-medium SAND, trace gravel (rounded – subangular) | | | |
| | | | | | | Brown Gray | 1.0' - 1.2' - Fine-medium SAND, some silt 1.2' - 1.3' - Fine-medium SAND, trace shells | SP | | |
| 4 | | | | | | Dark Brown | 1.3' - 1.9' - Silty fine SAND, fibers (PACM) throughout – possible waste | Fill | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (rig 2) | Notes: PACM = Potential asbestos containing material | *Tetra Tech NUS, Inc.* |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | * Soil partially frozen- unable to determine soil density | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I FID= B PID= B Flag number 445 Former Landfill area – field near mini golf course | BORING NO.: 569 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 569A |
| PROJECT NO.: | N1369 | | | START DATE: | 1/27/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: | RAC | COMPLETION: DATE: | 1/27/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling and Testing/M. Sarro | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| | DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 3 sleeves = 6' | | | 2.0' / 2.0' | SBP-SO-569A-0002 Full Suite less dioxin and SPLP 1/27/04 @ 1335 | | | | Refer to Boring Log number 569 for soil profile descriptions from 0' – 4' bgs | | Grass/root plug = approximately 3" No visible PACM/waste or geomembrane | FID = 0 PID = 0 |
| | 2 | | | | | | | | | Visible PACM/waste at approximately 2.7' – 3.4' No visible geomembrane Level C = 1415 - 1425 | |
| 3 sleeves = 6' | | | 2.0' / 2.0' | SBP-SO-569A-0204 Full Suite 1/27/04 @ 1400 | | | | | | | FID = 9.5 PID = 0 FID = 44 PID = 0 |
| | 4 | | | | | | | | | Damp | FID = 286 PID = 0 FID = 385 PID = 0 |
| 2 sleeves = 4' | | | 2.0' / 2.0' | SBP-SO-569A-0406 Full Suite less dioxin and SPLP 1/27/04 @ 1430 | | Dense | Dark Brown | WASTE, compressed material with long shiny fibers, possible pads, stippled texture | Fill/ Waste | Damp | FID = 4.9 PID = 0 |
| | | | | | | Loose | Tan Gray | SAND, fine-medium sand, poorly graded | SP/Fill | Visible PACM/waste at approximately 4' – 4.5' Level C | FID = 15.6 PID = 0 |
| | | | | | | Dense | Brown | SILT, some sand. Fine-medium sand, poorly graded, trace gravel, fine gravel to ¼" | SM/Fill | Damp Upgraded to Level C 1500 - 1510 | |
| | 6 | | | | | Loose | Dark Brown | Silty SAND, some gravel. Fine-medium sand, trace coarse sand, poorly graded, fine-coarse subangular –subrounded gravel ½" to 1 ½", netting, rock fragments, brick pieces | | | FID = 0 PID = 0 |
| 2 sleeves = 4' | | | 2.0' / 2.0' | SBP-SO-569A-0608 Full Suite less dioxin and SPLP 1/27/04 @ 1515 | | | Dark Brown | Silty SAND, some gravel. Fine-medium poorly graded sand, fine to coarse subrounded gravel to 1" | | Damp | FID = 644 PID = 0 |
| | | | | | | | Tan Black | - Silty fine SAND, poorly graded - SAND, some silt, fine-medium sand, some coarse sand, some gravel, poorly graded, fine and coarse subrounded to subangular gravel to 1" - Silty SAND, some gravel. Fine-medium sand, poorly graded, fine and coarse subrounded to subangular gravel to 1 1/2", nail, metal, asphalt, plastic | SP/Fill | | FID =1500 PID = 3.6 |
| | | | | | | Dense | | | SM/Fill | Damp | |
| | 8 | | | | EOB @ 8' bgs | | | EOB @ 8' bgs – Backfill with Bentonite chips (8' – 1') and topsoil (1' – 0') | | | FID = 2055 PID = 0.8 |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – LT 54 |
| METHOD OF ADVANCING BORING: | Direct Push Technique |
| METHOD OF SOIL SAMPLING: | Macro-Core Open tube. Continuous sampling in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | Approximately 7.8' bgs (driller reports $H_2O$ in borehole at approximately 7.8' bgs) |
| OTHER OBSERVATIONS: | Phase II – Former Landfill Area – Recreational Field Flag number 445 |

Note:
PACM = Potential asbestos containing material
Full Suite = SVOCs, Pesticides/PCBs, metals, dioxin, SPLP metals and PCBs, asbestos, and VOCs

BORING NO.: 569A

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 570 |
| PROJECT NO.: | N1369 | START DATE: | 1/17/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/17/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Golf Course | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.5' / 2' | SBP-SO-570-0002 Screening 1/17/04 @ 0850 | | Loose | Brown - Tan | SAND, trace silt, trace gravel. Fine-medium sand, fine gravel subrounded to ½", plastic, one piece of coarse gravel to 1 ¾" | SP/Fill | Grass/root plug = approximately 3" Frozen at surface | 0.0 | 7.7 |
| 1 | | | | | | | | | | | |
| 2 | | | | | | | Similar to above, with glass shards to ½" length | | | | |
| 3 | | 1.7' / 2' | SBP-SO-570-0204 Screening 1/17/04 @ 0855 | | | Orange - Brown | Silty SAND, trace gravel. Fine to coarse sand, well graded, oxidized layers. Coarse gravel to 1", glass, plastic, crushed rock | | | 0.0 | 0.0 |
| 4 | | | | | | Gray | SAND, some silt, fine-medium sand, poorly graded | | Wet at 4' | 0.6 | 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule | Note: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | PID = A | |
| METHOD OF ROCK CORING: | N/A | FID = A (failed calibration check) | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 643 Former landfill area | BORING NO.: 570 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 571 |
| PROJECT NO.: | N1369 | START DATE: | 1/8/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 1/8/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0' - 0.1' - Grass/roots | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.6' / 2.0' | SBP-SO-571-0002 Screening 1/8/04 @ 0930 | | * | Brown | 0.1' - 0.6' - Silty fine SAND, trace coarse sand, some organics (roots) | SM | | PID=0.6 FID=0.0 |
| 1 | | | | | | Red-Brown | 0.6' - 1.1' - Silty fine SAND, trace medium-coarse sand, some gravel | | | |
| | | | | | | Gray | 1.1' - 1.6' - Fine-medium SAND | SP | | |
| 2 | | | | | | | | | | |
| | | 1.7' / 2.0' | SBP-SO-571-0204 Screening 1/8/04 @ 0935 | | | Black | 0' - 0.5' - Similar material to above<br>0.5' - 0.8' - Silty fine SAND, trace coarse sand | SM | | PID=9.5 FID=13.4 |
| 3 | | | | | | Dark Gray | 0.8' - 1.1' - Silty fine-medium SAND, piece of cardboard | SM/Fill | | |
| | | | | | | Black | 1.1' - 1.7' - Fine-medium SAND, trace silt, piece of plastic at 1.5' | SP/Fill | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (rig 2) | Notes: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | * = Soil partially frozen; unable to determine density. Petroleum odor | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag number 494 Former Landfill area – field near mini golf course | BORING NO.: 571 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 572 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/17/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: | RAC | COMPLETION: DATE: | 1/17/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | NA | | | | | | Golf Course | | | | |
| | | 1.9' / 2' | SBP-SO-572-0002 Screening 1/17/04 @ 0910 | | Loose | Brown | Silty SAND. Fine-medium sand, poorly graded, organic roots | SM/Fill | Grass/root plug = approximately 2" Frozen at surface | 0.0 | NR |
| 1 | | | | | | Tan-Gray | SAND, some silt. Fine-medium sand, poorly graded, glass shards | | | | |
| | | | | | Dense | Black | Silty SAND. Fine-medium sand, poorly graded, charred wood, organic roots, glass shards, crushed rock | | Damp | | |
| 2 | | | | | | | | | | 137 | |
| | | 1.8' / 2' | SBP-SO-572-0204 Screening 1/17/04 @ 0915 | | | | Similar to above with organic material | | | 25 | |
| 3 | | | | | Loose | Gray - Brown | SAND, some silt. Fine-medium sand, poorly graded, organic roots/reeds, rubber rings, glass, plastic | | | | |
| | | | | | | | | | Saturated at 3.5' | 708 | |
| 4 | | | | | | | | | | 108 | |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs -- Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule | Note: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | PID = A (low battery, not in use) | |
| METHOD OF ROCK CORING: | N/A | FID = A (failed calibration check) | |
| GROUNDWATER LEVELS: | | NR = No reading | |
| OTHER OBSERVATIONS: | Phase I Flag Number 552 Former landfill area | BORING NO.: 572 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 573 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/8/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 1/8/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0' - 0.2' - Grass/roots | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.4' / 2.0' | SBP-SO-573-0002 Screening 1/8/04 @ 0950 | | * | Brown | 0.2' - 0.8' - Silty fine SAND, trace gravel, trace organics (roots) | SM | | PID=0.0 FID=0.0 |
| 1 | | | | | | | | | | |
| | | | | | | Dark Gray | 0.8' - 1.4' - Fine-coarse SAND and fine GRAVEL (angular-subangular) | SW/GW | | |
| 2 | | | | | | | | | | |
| | | 1.8' / 2.0' | SBP-SO-573-0204 Screening 1/8/04 @ 0955 | | | | 0' - 0.3' - Similar material to above | | | PID=0.0 FID=0.0 |
| 3 | | | | | | | 0.3' - 1.1' - Fine-medium SAND | SP | | |
| | | | | | | Gray | 1.1' - 1.8' - Fine-medium SAND, (color change only) | | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (rig 2) | Note: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | * Unable to determine density due to frozen soil | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I FID=B PID= B Flag number 471 Former Landfill area – field next to mini golf course | BORING NO.: 573 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 574 |
| PROJECT NO.: | N1369 | START DATE: | 1/17/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/17/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Golf Course | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.8' / 2' | SBP-SO-574-0002 Screening 1/17/04 @ 0925 | | Dense | Brown | Silty SAND, trace gravel. Fine-medium sand, poorly graded, organic roots, fine gravel subrounded to ½" | SM/Fill | Grass/root plug = approximately 2" Frozen at surface | 48 | NR |
| 1 | | | | | | | | | | | |
| | | | | | Loose | Gray | SAND, some silt. Fine-medium sand, poorly graded, glass shards, seashells, organic roots, wood | | | 314 | |
| 2 | | | | | Dense | Black | Silty SAND. Fine-medium sand, poorly graded, glass shards, organic material | | | 268 | |
| | | 1.8' / 2' | SBP-SO-574-0204 Screening 1/17/04 @ 0930 | | | Black - Orange | Similar to above, with oxidized layers and organic material (roots/reeds) and one 2.5" interval of sandy silt (black) | | | 690 | |
| 3 | | | | | | Gray | Silty SAND. Fine-medium sand, wood chunks, glass, organic fibers | | | 110 | |
| | | | | | | | | | Wet at 3.5' | 53 | |
| 4 | | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule | Note: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | PID = A (low battery, not in use) | |
| METHOD OF ROCK CORING: | N/A | FID = A (failed calibration check) | |
| GROUNDWATER LEVELS: | | NR = No reading | |
| OTHER OBSERVATIONS: | Phase I Flag Number 553 Former landfill area | BORING NO.: 574 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 | | | BORING NO.: | 573A |
| PROJECT NO.: | N1369 | | | START DATE: | 1/30/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: | RAC | COMPLETION: DATE: | 1/30/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/D. Gooley | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | No samples for analysis 0' – 2' | | | | Refer to Boring Log Number 573 for soil profile descriptions from 0' – 4' | | Using drive point to advance 0' – 4' (no macro cores) | * |
| 1 | | | | | | | | | | |
| 2 | | | | | | | | | | |
| 3 | | | No samples for analysis 2' – 4' | | | | | | | |
| 4 | | | | | | | | | | |
| 5 | | 1.5' / 2' | SBP-SO-573A-0406 Screening 1/30/04 @ 0840 | | Dense | Black | SAND, some silt, trace gravel. Fine-medium sand, poorly graded, trace coarse sand, fine gravel subrounded to ¼" | SM/Fill | No visible PACM/waste or geomembrane | FID = 102 PID = 0.0 |
| | | | | | Loose | Brown Red | SAND, trace silt, fine-medium sand, poorly graded BRICK/GRAVEL (coarse gravel) with silty fine-medium sand | SP/Fill SM/Fill | | |
| 6 | | | | | | Gray | Crushed stone up to 1.5" , poor recovery | Fill | Dry Poor Recovery | FID = 75 PID = 0.3 FID = 22 PID = 0.2 |
| 7 | | 2' / 2' | SBP-SO-573A-0608 Screening and Confirmation 1/30/04 @ 0900 | | Dense | Brown | SAND, trace silt. Fine-medium poorly graded sand, wood or roots | SP/Fill | No geomembrane No visible PACM/waste | FID = 0.0 PID = 0.0 |
| | | | | | | Brown - Black | SAND, some silt, fine-medium sand trace coarse sand, poorly graded, organic roots, twigs, reeds, wood chunks, glass | SM/Fill | Dry | FID = 24.2 PID = 1.2 |
| 8 | | | | | | | - Coarse gravel to 1" – subrounded with rock fragments | | | FID = 80.2 PID = 2.3 FID = 80.2 PID = 2.3 |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – LT 54 | Note: PACM = Potential asbestos containing material | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | Direct – Push Technique | | |
| METHOD OF SOIL SAMPLING: | Macro – Core – Open tube continuous sampling in 2' intervals | * = No PID/FID readings from 0-4" bgs | |
| METHOD OF ROCK CORING: | N/A | Non-Raymark waste location | |
| GROUNDWATER LEVELS: | Approximately 10' – 10.5' bgs reported by driller | | |
| OTHER OBSERVATIONS: | Phase II Flag Number 471 – Former landfill area, Recreational Field PID/FID = C, FID failed pm check | BORING NO.: 573A | PAGE: 1 OF 2 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 | | | BORING NO.: | 573A |
| PROJECT NO.: | N1369 | | | START DATE: | 1/30/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: | RAC | COMPLETION: DATE: | 1/30/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/D. Gooley | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) 8 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.5' / 2' | SBP-SO-573A-0810 Screening 1/30/04 @ 0915 | | Loose | Brown | SAND, fine-medium sand, poorly graded, brick, newspaper, burned wood, rock fragments | SP/Fill | Damp No visible PACM/waste No Geomembrane Wet at 9' | |
| 9 | | | | | | | Silty SAND, fine-medium sand, poorly graded, glass, wood, organic material, clinkers, plastic, metal filings – poor recovery | SM/Fill | | FID = 3.4 PID = 0.0 |
| | | | | | Dense | | | | | FID = 50 PID = 0.3 |
| 10 | | | | | | | | | | FID = 1500 PID =0.1 |
| | | 1' / 2' | SBP-SO-573A-1012 Screening (refusal at 11.5) 1/30/04 @ 0930 | | Loose | Black | Silty SAND – similar to above with coarse brick fragments, wood chunks | | Saturated at approximately 10' – 10.5' No visible PACM/waste or geomembrane | FID = 8.8 PID = 0.0 |
| 11 | | | | | | | | | | FID = 98 PID = 0.0 |
| | | | | | | | (Refusal at 11.5') | | | |
| 12 | | | | EOB @ 11.5' bgs | | | EOB @ 11.5' bgs – Backfill with bentonite chips (11.5'-1' and topsoil (1'-0') | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – LT 54 | Note: PACM = Potential asbestos containing material | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | Direct – Push Technique | | |
| METHOD OF SOIL SAMPLING: | Macro – Core – Open tube continuous sampling in 2' intervals | * = No PID/FID readings from 0-4" bgs | |
| METHOD OF ROCK CORING: | N/A | Non-Raymark waste location | |
| GROUNDWATER LEVELS: | Approximately 10' – 10.5' bgs reported by driller | | |
| OTHER OBSERVATIONS: | Phase II Flag Number 471 – Former landfill area, Recreational Field PID/FID = C, FID failed pm check | BORING NO.: 573A | PAGE: 2 OF 2 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 575 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/8/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 1/8/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0' - 0.3' - Grass/roots | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.6' / 2.0' | SBP-SO-575-0002 Screening 1/8/04 @ 1030 | | Slightly Dense | Dark Red | 0.3' - 0.5' - Fine-medium SAND, trace silt, trace organics | SP | Moist | PID=0.0 FID=0.0 |
| 1 | | | | | Slightly Loose | Gray Black | 0.5' - 1.0' - Fine-medium SAND 1.0' - 1.1' - Asphalt piece | Fill | | |
| | | | | | | Gray | 1.1' - 1.4' - Fine-medium SAND | SP | | |
| 2 | | | | | | Brown | 1.4' - 1.6' - Fine-medium SAND, trace coarse sand | SW | | |
| | | 1.7' / 2.0' | SBP-SO-575-0204 Screening 1/8/04 @ 1035 | | | | 0' - 0.2' - Similar material to above; micaceous layer at 0.1' | | | PID=0.0 FID=0.0 |
| 3 | | | | | | Dark Brown Brown | 0.2' - 0.4' - Silty fine-coarse SAND 0.4' - 0.5' - Silty fine-medium SAND | SM | | |
| | | | | | | Dark Brown | 0.5' - 0.7' - Silty fine-coarse SAND 0.7' - 1.2' - Fine-coarse SAND, trace silt | SW | | |
| 4 | | | | | Slightly Dense | Black | 1.2' - 1.7' - Fine-coarse SAND, some silt, trace asphalt fragments | SW/Fill | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID= B PID= B Flag number 536 Former Landfill area – field next to mini golf course BORING NO.: 575 |

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 576 |
| PROJECT NO.: | N1369 | START DATE: | 1/8/04 |
| LOGGED BY: | K. Jalkut | COMPLETION: DATE: | 1/8/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JL |

TRANSCRIBED BY: RAC

ELEVATION FROM:

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Golf Course | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 2' / 2' | SBP-SO-576-0002 Screening and Confirmation 1/8/04 @ 0940 | | Dense | Brown | Silty SAND, trace gravel. Fine-medium sand, poorly graded, fine gravel subrounded to ¼", organic roots, reeds | SM/Fill | Grass/root plug = approximately 3" Damp | 2.0 | 0.2 |
| 1 | | | | | Loose | Black | SAND, some silt, trace gravel. Fine-medium sand, trace coarse sand, trace fine and coarse gravel subrounded ½" – ¾", glass shards | | | | |
| | | | | | | | | | | 0.0 | 0.1 |
| 2 | | | | | Dense | Gray-Black | Silty SAND, trace gravel. Fine-medium sand, poorly graded, coarse gravel subrounded to 1", organic material (wood, reeds) | | | 15.3 | 0.0 |
| | | 2' / 2' | SBP-SO-576-0204 Screening 1/8/04 @ 0945 | | | | Similar to above, with one 2" interval of silt, some sand (fine-medium sand, poorly graded) | | | 260 | 0.0 |
| 3 | | | | | | | SAND. Fine-medium sand, poorly graded, seashells | SP/Fill | | | |
| | | | | | | | | | | 12 | 0.0 |
| 4 | | | | | | | Silty SAND, trace gravel, organic roots/wood. Fine-medium sand, poorly graded, coarse gravel subrounded to 1" | SM/Fill | Damp | 7.0 | 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule | Note: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | PID = C | |
| METHOD OF ROCK CORING: | N/A | FID = A (Failed Calibration Check) | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 462 Former landfill area | BORING NO.: 576 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 577 |
| PROJECT NO.: | N1369 | START DATE: | 1/9/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: PP | COMPLETION: DATE: 1/9/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0' – 0.2' – Grass/roots | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 2.0' / 2.0' | SBP-SO-577-0002 Screening and Confirmation 1/9/04 @ 0855 | | * | Brown | 0.2' – 0.4' – Fine-medium SAND some silt, some organics, (roots) | SP | Piece of rope (nylon) | PID-0.2 |
| | | | | | | Red Brown | 0.4' – 0.8' – Fine-medium SAND, trace glass | SP/Fill | | FID-0.0 |
| 1 | | | | | | Brown | 0.8' – 1.1' – Fine-medium SAND, trace gravel, trace glass | ↓ | | |
| | | | | | | Gray Brown | 1.1' - 1.6' – Fine-coarse SAND, trace silt | SW | | |
| 2 | | | | | | | 1.6' – 2.0' Fine-medium SAND | SP | | |
| | | 1.2' / 2.0' | SBP-SO-577-0204 Screening 1/9/04 @ 0900 | | | | 0' – 0.2' – Fine-coarse SAND, trace gravel, piece of blue plastic | SW/Fill | | PID-0.0 FID-0.0 |
| 3 | | | | | | | 0.2' – 1.1' – Silty fine SAND, trace coarse sand, pieces of clear and yellow plastic, piece of slag in nose of liner | SM/Fill | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) | Note: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | * = Soil partially to mostly frozen – soil density impossible to determine | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 682 Former Landfill Area - field next to Mini-Golf Course PID/FID B | BORING NO.: 577 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 577A |
| PROJECT NO.: | N1369 | | | START DATE: | 2/2/04 |
| LOGGED BY: | S. Bonis/M. Bouvier | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 2/2/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/D. Gooley | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | No samples collected from 0' – 4' | | | | See Boring Log Number 577 for soil profile details from 0' – 4' bgs | | | |
| 2 | | | | | | | | | | |
| | | | | | | | | | | |
| 4 | | | | | | | | | | |
| | | 1.3' / 2.0' | SBP-SO-577A-0406 Screening 2/2/04 @ 1500 | Fill | Medium Dense | Dark Brown | Silty SAND | SM | Saturated – Fill – possible re-worked native material 3" water in hole | FID=173 PID=<1 |
| 6 | | | | | | | | | | |
| | | | | EOB @ 6' bgs | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4X4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous sample from 4' – 6' | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Approximately 5.75' bgs | | |
| OTHER OBSERVATIONS: | Phase II Screening Flag Number 682 Ballfield | BORING NO.: 577A | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 578 |
| PROJECT NO.: | N1369 | START DATE: | 1/8/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/8/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Golf Course | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.9' / 2' | SBP-SO-578-0002 Screening 1/8/04 @ 0950 | | Dense | Brown | Silty SAND. Fine-medium sand, trace coarse sand, poorly graded, organic roots, twigs, reeds, glass | SM/Fill | Grass/root plug = approximately 2.5" | | |
| 1 | | | | | | | | | Frozen at surface | 325 | 0.0 |
| | | | | | Loose | Black | Similar to above with chunks of charred wood, glass pieces, metal fragments | | Damp | 103 | 0.8 |
| | | 1.9' / 2' | SBP-SO-578-0204 Screening 1/8/04 @ 1000 | | | Dark Gray | SAND, some silt, some gravel. Fine-medium sand, trace coarse sand, fine and coarse subrounded gravel ½" – 1" | | | 24 | 0.0 |
| 3 | | | | | | Orange - Brown | Silty SAND. Fine-medium sand, poorly graded, decomposed material, large glass shards, oxidized layers, organic material | | | | |
| | | | | | | | | | | 735 | 0.0 |
| 4 | | | | | | Gray | SAND, some gravel. Fine-medium sand, fine and coarse subrounded gravel ½" – 1", rock fragments | SP/Fill | Damp | 8.9 | 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule | Note: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | PID = C | |
| METHOD OF ROCK CORING: | N/A | FID = A (Failed Calibration Check) | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 463 Former landfill area | BORING NO.: 578 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 579 |
| PROJECT NO.: | N1369 | START DATE: | 1/8/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 1/8/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0' - 0.3' - Grass/roots/topsoil | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.9' / 2.0' | SBP-SO-579-0002 Screening 1/8/04 @ 1115 | | Slightly Dense | Red-Brown | 0.3' - 0.6' - Fine-medium SAND, trace gravel, trace silt | SP | Moist | PID=0.0 FID=0.0 |
| 1 | | | | | Slightly Loose | Gray | 0.6' - 1.0' - Fine-medium SAND | | | |
| | | | | | | Brown | 1.0' - 1.2' - Compressed WOOD | Fill | | |
| 2 | | | | | | Gray | 1.2' - 1.9' - Fine-medium SAND | SP | | |
| | | 1.7' / 2.0' | SBP-SO-579-0204 Screening 1/8/04 @ 1120 | | | | Fine-medium SAND, trace coarse sand – copper wires at 0.4' and 0.8', wood fragments at 1.1', piece of blue plastic at 1.5' | SW/Fill | | PID=0.0 FID=0.0 |
| 3 | | | | | | | | | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | | | |
|---|---|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (rig 2) | | | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | | | |
| METHOD OF ROCK CORING: | N/A | | | | |
| GROUNDWATER LEVELS: | | | | | |
| OTHER OBSERVATIONS: | Phase I FID=B PID= B | Flag number 514 | Former Landfill area – field next to mini golf course | BORING NO.: 579 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | BORING NO.: 580 |
| PROJECT NO.: | N1369 | | START DATE: 1/8/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/8/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Golf Course | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.7' / 2' | SBP-SO-580-0002 Screening 1/8/04 @ 1040 | | Loose | Brown | SAND. Fine-medium grained, trace coarse grained, poorly graded, organic roots | SP/Fill | Grass/root plug = approximately 2" | 0.0 | 0.0 |
| 1 | | | | | Dense | Red Brown | Silty SAND. Fine-medium SAND, poorly graded, organic roots | SM/Fill | Frozen at surface | | |
| | | | | | | | | | | 0.0 | 0.0 |
| 2 | | | | | | Brown-Tan | Similar to above, with trace fine gravel subrounded to ½", glass, crushed stone | | Damp to wet at 1.75' | | |
| | | 1.7' / 2' | SBP-SO-580-0204 Screening 1/8/04 @ 1045 | | | | | | | 0.0 | 0.0 |
| 3 | | | | | | Gray-Brown | Silty SAND, some gravel. Fine to coarse sand, well graded, fine and coarse subrounded-subangular gravel, rock fragments (crushed rock) | | | | |
| | | | | | | | | | Damp | | |
| 4 | | | | | | | | | | 0.0 | 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule | Notes: PID = C FID = A (Failed Calibration Check) Refusal at 1.5', relocated less than 1' from original location | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 554 Former Landfill Area | BORING NO.: 580 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 580A |
| PROJECT NO.: | N1369 | | | START DATE: | 2/2/04 |
| LOGGED BY: | S. Bonis/M. Bouvier | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 2/2/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/D. Gooley | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | No samples collected from 0' – 4' | | | | See Boring Log Number 580 for soil profile details from 0' – 4' | | | |
| 2 | | | | | | | | | | |
| 4 | | | | | | | | | | |
| | | 1.6' / 2.0' | SBP-SO-580A-0406 Screening 2/2/04 @ 1620 | Fill | | Brown | 0.4' - Poorly graded SAND | SP/Fill | Moist | FID=73 PID=<1 |
| 6 | | | | | | Dark Brown | 1.2' - Silty SAND, municipal solid waste- bricks and concrete fragments | SM/Fill | Fill | |
| | | 1.3' / 2.0' | SBP-SO-580A-0608 Screening 2/2/04 @ 1621 | | | Dark Brown/ Gray | Silty SAND | SM | Fill- reworked native Saturated 8" water in hole | FID=29 PID=<1 |
| 8 | | | | | | | | | | |
| | | | | EOB @ 8' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4X4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples from 4' – 8' | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Approximately 7.5' bgs | | |
| OTHER OBSERVATIONS: | Phase II Screening Flag Number 554 Ballfield Area | BORING NO.: 580A | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 581 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/8/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 1/8/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0' - 0.3' - Grass/roots/topsoil | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.8' / 2.0' | SBP-SO-581-0002 Screening 1/8/04 @ 1130 | | Slightly Dense | Brown | 0.3' - 0.4' - Silty fine-coarse SAND | SM | Moist | PID=0.0 |
| | | | | | | Dark Red | 0.4' - 0.5' - Fine-coarse SAND | SW | | FID=0.0 |
| 1 | | | | | | Gray | 0.5' - 1.0' - Fine SAND, some silt<br>1.0' - 1.2' - Fine-medium SAND | SP | | |
| | | | | | | White | 1.2' - 1.4' - GRAVEL (fractured) | GP | | |
| | | | | | | Gray | 1.4' - 1.6' - Fine-medium SAND, trace silt | SP | | |
| 2 | | | | | Dense | Dark Brown | 1.6' - 1.8' - Fine sandy SILT | ML | | |
| | | 1.6' / 2.0' | SBP-SO-581-0204 Screening 1/8/04 @ 1135 | | Slightly Loose | Dark Gray | 0' - 0.5' - SILT, some fine sand<br>0.5' - 1.1' - Fine-medium SAND | SP | | PID=0.0<br>FID=0.0 |
| 3 | | | | | Slightly Dense | | 1.1' - 1.4' - SILT, some fine sand, trace organics (wood) | ML/Fill | | |
| | | | | | | | | | | |
| 4 | | | | | Slightly Loose | | 1.4' - 1.6' - Micaceous fine-medium SAND | SP | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID= B PID=B Flag number 678 Former Landfill area – field next to mini golf course BORING NO.: 581 |

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 582 |
| PROJECT NO.: | N1369 | START DATE: | 1/8/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/8/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Golf Course | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 2' / 2' | SBP-SO-582-0002 Screening 1/8/04 @ 1105 | | Loose | Brown | Silty SAND, trace gravel. Fine-medium sand, poorly graded, fine and coarse subrounded gravel ½" – ¾", organic roots | SM/Fill | Grass/root plug = approximately 3" | 0.0 | 0.0 |
| 1 | | | | | | Gray - Brown | SAND. Fine-medium sand, poorly graded | SP/Fill | | 0.0 | 0.0 |
| | | | | | | Orange - Brown | SAND, some silt, trace gravel. Fine-medium sand, trace coarse sand, fine and coarse subangular gravel ½" – 1 ½", rock fragment, oxidized portions | SM/Fill | | 0.0 | 0.0 |
| 2 | | | | | | | | | | | |
| | | 1.6' / 2' | SBP-SO-582-0204 Screening 1/8/04 @ 1110 | | Dense | | Silty SAND, some gravel. Fine-medium sand, trace coarse sand, fine subangular gravel to ½", coarse subangular gravel to 1 ½" | | | | |
| 3 | | | | | | | | | Damp | 45 | 0.0 |
| | | | | | | Gray - Brown | | | | | |
| 4 | | | | | | | | | | 130 | 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule | Notes: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | PID = C | |
| METHOD OF ROCK CORING: | N/A | FID = A (Failed Calibration Check) | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 464 Former Landfill Area | BORING NO.: 582 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 583 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/9/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | PP | COMPLETION: DATE: | 1/9/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/Rob Ullmann | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JD |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0' – 0.3' – grass/roots | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.5' / 2.0' | SBP-SO-583-0002 Screening 1/9/04 @ 0920 | | Slightly Dense | Dark Red | 0.3' – 0.5' – fine-medium SAND | SP | Moist | PID = 0.0 FID = 0.0 |
| 1 | | | | | Slightly Loose | Brown | 0.5' – 1.2' – medium-coarse SAND, trace fine sand | SW | | |
| 2 | | | | | Slightly Dense | Dark Brown | 1.2' – 1.5' – silty fine SAND, trace organics (roots) | SM | | |
| 3 | | 1.5' / 2.0' | SBP-SO-583-0204 Screening 1/9/04 @ 0925 | | Slightly Loose | Tan | Medium SAND, trace coarse sand | SP | | PID = 0.0 FID = 0.0 |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 780 - Former Landfill Area – near Tennis Courts - PID/FID = B | BORING NO.: 583 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 584 |
| PROJECT NO.: | N1369 | START DATE: | 1/8/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/8/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Golf Course | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.5' / 2' | SBP-SO-584-0002 Screening 1/8/04 @ 1120 | | Dense | Red - Brown | Silty SAND. Fine sand mostly, trace medium sand, poorly graded, organic roots | SM/Fill | Grass/root plug = approximately 2" | 0.0 | 0.0 |
| 1 | | | | | | Tan - Brown | SAND and SILT, trace gravel. Fine-medium sand, poorly graded, fine gravel subrounded to ½", rock fragments at end of liner | | Damp | 0.0 | 0.0 |
| 2 | | | | | | | | | Saturated at 2' – less recovery | | |
| | | 1.6' / 2' | SBP-SO-584-0204 Screening 1/8/04 @ 1130 | | | | SAND and SILT mixture, trace gravel. Similar to above, coarse subangular gravel to 1 ½" | | Damp | | |
| 3 | | | | | Loose | Gray - Black | Silty SAND, some gravel. Fine to coarse sand, well graded, fine and coarse subrounded to subangular gravel ½" to 1", metal fragments, glass, plastic, charred wood, organic material | | | 72 | 0.0 |
| 4 | | | | | | Gray | SAND. Fine sand, poorly graded, rock fragments | SP/Fill | Dry | 10.3 | 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule | Notes: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | PID = C | |
| METHOD OF ROCK CORING: | N/A | FID = A (Failed Calibration Check) | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 555 Former Landfill Area | BORING NO.: 584 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | BORING NO.: 585 |
| PROJECT NO.: | N1369 | | START DATE: 1/8/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 1/8/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0' - 0.2' - Grass/roots | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.7' / 2.0' | SBP-SO-585-0002 Screening 1/8/04 @ 1205 | | Slightly Loose | Brown | 0.2' - 0.6' - Fine-coarse SAND, some silt, trace gravel, some organics (roots) | SW | Moist | PID=0.0 FID=0.0 |
| 1 | | | | | | | | | | |
| | | | | | Slightly Dense Slightly Loose | Dark Red Brown | 0.6' - 1.1' - Fine-medium SAND, trace coarse sand 1.1' - 1.4' - Silty fine SAND and plastic | SP SM/Fill | | |
| 2 | | | | | | Gray | 1.4' - 1.7' - Fine-medium SAND | SP | | |
| | | 2.0' | SBP-SO-585-0204 Screening 1/8/04 @ 1210 | | | | Fine-medium SAND (homogeneous) | | | PID=0.0 FID=0.0 |
| 3 | | | | | | | | | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (rig 2) | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I FID=B PID= B Flag number 652 Former Landfill area – field next to mini golf course | BORING NO.: 585 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 586 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/8/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: | RAC | COMPLETION: DATE: | 1/8/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | NA | | | | | | Golf Course | | | | |
| | | 1.6' / 2' | SBP-SO-586-0002 Screening 1/8/04 @ 1145 | | Loose | Brown | SAND, some silt, trace gravel. Fine-medium sand, trace coarse sand, fine gravel subrounded to ¼", organic roots | SM/Fill | Grass/root plug = approximately 2" | 0.0 | 0.0 |
| 1 | | | | | | | | | | | |
| 2 | | | | | | | | | Wet at 2' | 0.0 | 0.0 |
| | | 1.1' / 2' | SBP-SO-586-0204 Screening 1/8/04 @ 1150 | | | | | | | | |
| 3 | | | | | | | | | | | |
| | | | | | | | Similar to above, with increased percent of coarse gravel – subangular to 2", decomposed organic material | | | | |
| 4 | | | | | | | | | | 0.0 | 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule | Notes: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | PID = C | |
| METHOD OF ROCK CORING: | N/A | FID = A (Failed Calibration Check) | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 766 Former Landfill Area | BORING NO.: 586 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 587 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/8/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 1/8/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD | CLR | MATERIAL CLASSIFICATION 0' - 0.2' - Grass/roots | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.7' / 2.0' | SBP-SO-587-0002 Screening and Confirmation 1/8/04 @ 1415 | | Slightly Loose | Dark Red | 0.2' - 0.3' - Fine-medium SAND, trace organics (roots), trace silt | SP | Moist | PID=0.0 FID=0.0 |
| 1 | | | | | | Brown Gray | 0.3' - 0.5' - Fine-medium SAND, trace silt 0.5' - 0.6' - Fine-medium SAND, trace shell fragments | | | |
| | | | | | | Brown | 0.6' - 1.3' - Fine-medium SAND (color change only) | | | |
| 2 | | | | | | Dark Gray | 1.3' - 1.7' - Fine-medium SAND, plastic | SP/Fill | | |
| | | 1.3' / 2.0' | SBP-SO-587-0204 Screening 1/8/04 @ 1420 | | | Black | 0' - 0.3' - Fine-medium SAND, trace silt 0.3' - 0.4' - Wood, compressed – possible plywood | SP Fill | | PID=0.0 FID=0.0 |
| 3 | | | | | | Dark Gray | 0.4' - 0.6' - Fine-medium SAND, trace silt, trace coarse sand | SW | | |
| | | | | | | | 0.6' - 1.3' - Fine SAND | SP | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | | | |
|---|---|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (rig 2) | | | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | | | |
| METHOD OF ROCK CORING: | N/A | | | | |
| GROUNDWATER LEVELS: | | | | | |
| OTHER OBSERVATIONS: | Phase I FID= B PID= B Flag number 628 Former Landfill area –field next to mini golf course | BORING NO.: 587 | | | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 588 |
| PROJECT NO.: | N1369 | START DATE: | 1/8/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/8/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | NA | | | | | | Golf Course | | | | |
| | | 1.4' / 2' | SBP-SO-588-0002 Screening 1/8/04 @ 1330 | | Loose | Brown | Silty SAND, some gravel. Fine-medium sand, poorly graded, fine subrounded gravel to ¼", coarse subrounded gravel to 1", organic roots, glass shards, rock fragments | SM/Fill | Grass/root plug = approximately 3.5" | 0.0 | 0.0 |
| 1 | | | | | | | | | Course rock fragments (1.5') every 6" | | |
| 2 | | | | | | | | | Less recovery | | |
| | | 1.6' / 2' | SBP-SO-588-0204 Screening 1/8/04 @ 1345 | | | | Silty SAND, some gravel. Similar to above | | | 0.0 | 0.0 |
| 3 | | | | | | | | | | | |
| | | | | | Dense | | Sandy SILT, some gravel. Fine-medium sand, poorly graded, fine and coarse subrounded gravel ½" – 1 ½", rock fragments, glass | | Saturated at 3.5' (more silt than sand) | | |
| 4 | | | | | | | | | | 0.0 | 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule | Notes: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | PID = C | |
| METHOD OF ROCK CORING: | N/A | FID = A (Failed Calibration Check) | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 647 Former Landfill Area | BORING NO.: 588 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | BORING NO.: 589 |
| PROJECT NO.: | N1369 | | START DATE: 1/8/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 1/8/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0' - 0.2' - Grass/roots/topsoil | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.8' / 2.0' | SBP-SO-589-0002 Screening 1/8/04 @ 1440 | | Slightly Dense | Red-Brown | 0.2' - 0.6' - Fine-medium SAND, trace silt, trace organics | SP | Moist | PID=0.0 FID=not working |
| 1 | | | | | | Brown | 0.6' - 1.6' - Gravelly fine-coarse SAND, gravel= subrounded-subangular | SW | | |
| | | | | | | | | | | |
| 2 | | | | | Slightly Loose | Dark Gray | 1.6' - 1.8' - Fine-medium SAND, trace silt, trace slag | SP/Fill | | |
| | | 1.5' / 2.0' | SBP-SO-589-0204 Screening 1/8/04 @ 1445 | | | | 0' - 0.9' - Fine-coarse SAND, some slag pieces (sand-gravel sized), glass at 0.8' | SW/Fill | | PID=0.0 FID = not working |
| 3 | | | | | | | | | | |
| | | | | | Loose | Black | 0.9' - 1.5' - Angular fine-medium SAND; possible slag/charcoal fragments | SP/Fill | Wet | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID= B PID= B Flag number 606 Former Landfill area – field by mini golf course |

BORING NO.: 589

*Tetra Tech NUS, Inc.*

PAGE: 1 OF 1

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 590 |
| PROJECT NO.: | N1369 | START DATE: | 1/8/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/8/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | NA | | | | | | Golf Course | | | | |
| | | 1.2' / 2' | SBP-SO-590-0002 Screening 1/8/04 @ 1420 | | Loose | Brown | SAND, trace silt, trace gravel. Fine-medium sand, poorly graded, fine and coarse gravel subrounded ½" – 1", organic roots, plastic chips | SP/Fill | Grass/root plug = approximately 2.5" | | |
| 1 | | | | | | | | | | 0.0 | 0.0 |
| 2 | | | | | | | | | Less recovery | | |
| 3 | | 1.2' / 2' | SBP-SO-590-0204 Screening 1/8/04 @ 1430 | | Dense | | Silty SAND, trace gravel. Fine-medium sand, poorly graded, fine and coarse subrounded gravel ½" – 1", seashells, glass shards, rock fragments | SM/Fill | | 0.0 | 0.0 |
| 4 | | | | | | Black | ASPHALT chunks (3") | Fill | Saturated at 3.5' | | |
| | | | | | | | Similar to silty SAND, trace gravel layer, coarse gravel (1 piece) to 2" | | | 36 | 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule | Notes: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | PID = C | |
| METHOD OF ROCK CORING: | N/A | FID = A (Failed Calibration Check) | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 644 Former Landfill Area | BORING NO.: 590 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 591 |
| PROJECT NO.: | N1369 | START DATE: | 1/8/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 1/8/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0' - 0.2' - Grass/roots/topsoil | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.8' / 2.0' | SBP-SO-591-0002 Screening 1/8/04 @ 1500 | | Slightly Dense | Dark Red | 0.2' - 0.3' - Fine-medium SAND, some organics (roots), trace silt | SP | | PID=0.0 FID=not working |
| 1 | | | | | Slightly Loose | Gray | 0.3' - 0.4' - Fine SAND<br>0.4' - 0.6' - Fine – medium SAND | | | |
| | | | | | | Brown - Gray | 0.6' - 0.7' - Fine-medium SAND<br>0.7' - 0.8' - Fine-medium SAND | | | |
| 2 | | | | | Slightly Dense | Black | 0.8' - 1.8' - Fine-medium SAND, some silt, trace coarse sand | SW | | |
| | | 1.3' / 2.0' | SBP-SO-591-0204 Screening 1/8/04 @ 1505 | | Dense | Dark Gray | Fine-coarse SAND, some gravel, trace silt | | | PID=0.0 FID=0.0 |
| 3 | | | | | | | | | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID=B / PID= B Flag number 585 Former Landfill area – field next to mini golf course BORING NO.: 591 |

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 592 |
| PROJECT NO.: | N1369 | START DATE: | 1/8/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/8/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Golf Course | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 2' / 2' | SBP-SO-592-0002 Screening 1/8/04 @ 1440 | | Loose | Red - Brown | Silty SAND, some gravel. Fine-medium sand, trace coarse sand, poorly graded, fine and coarse gravel subrounded ½" – 1", organic roots | SM/Fill | Grass/root plug = approximately 2" | 0.0 | 0.0 |
| 1 | | | | | | | | | Frozen at surface | | |
| 2 | | | | | | Tan - Brown | Similar to above with coarse gravels and rock fragments | | Damp | 0.0 | 0.0 |
| | | 2' / 2' | SBP-SO-592-0204 Screening 1/8/04 @ 1445 | | | | | | | | |
| 3 | | | | | | Gray | SAND. Fine to coarse sand, well graded | SW/Fill | | 0.0 | 0.0 |
| 4 | | | | | | Black - Brown | Silty SAND, some gravel, similar to 0' – 1' interval | SM/Fill | Damp | 0.0 | 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule | Notes: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | PID = C | |
| METHOD OF ROCK CORING: | N/A | FID = A (Failed Calibration Check) | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 648 Former Landfill Area | BORING NO.: 592 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 593 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/8/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 1/8/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0' - 0.2' - Grass/roots/topsoil | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.8' / 2.0' | SBP-SO-593-0002 Screening 1/8/04 @ 1525 | | Slightly Dense | Red-Brown | 0.2' - 0.6' - Fine SAND, some silt, trace coarse sand, trace organics/ roots | SP | Moist | PID=0.0 FID=0.0 |
| 1 | | | | | Slightly Loose | Gray | 0.6' - 1.0' - Fine-medium SAND | | | |
| | | | | | | Gray – Brown | 1.0' - 1.1' - Fine-medium SAND | | | |
| 2 | | | | | | Dark Gray | 1.1' - 1.8' - Fine-medium SAND, some gravel (rounded-subangular) | | | |
| | | 1.1' / 2.0' | SBP-SO-593-0204 Screening 1/8/04 @ 1530 | | | | 0' - 0.1' - Fine-medium SAND, trace gravel | | | PID=0.0 FID=4.8 |
| 3 | | | | | | White Dark Gray | 0.1' - 0.2' - Coarse GRAVEL piece 0.2' - 1.0' - Fine-coarse SAND | GP SW | | |
| | | | | | | Black | 1.0' - 1.1' - SILT, some fine sand | ML | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | | | |
|---|---|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (rig 2) | | | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | | | |
| METHOD OF ROCK CORING: | N/A | | | | |
| GROUNDWATER LEVELS: | | | | | |
| OTHER OBSERVATIONS: | Phase I FID= B PID= C | Flag number 563 | Former Landfill area –ballfield near mini golf course | BORING NO.: 593 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 | BORING NO.: | 593A |
| PROJECT NO.: | N1369 | START DATE: | 1/30/04 |
| LOGGED BY: | K. Jalkut | COMPLETION: DATE: | 1/30/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/D. Gooley | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JL |

TRANSCRIBED BY: RAC

ELEVATION FROM:

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | No samples for analysis 0' – 2' | | | | Refer to Boring Log Number 593 for soil profile descriptions from 0' – 4' | | Using drive point to advance 0' – 4' (no macro cores) | |
| 2 | | | | | | | | | | |
| 4 | | | No samples for analysis 2' – 4' | | | | | | | |
| | | 1' / 2' | SBP-SO-593A-0406 Screening 1/30/04 @ 1050 | | Dense | Brown | Silty SAND, trace gravel, fine-medium sand, poorly graded, fine gravel subrounded to ½", plastic, wood fibers, glass (Poor recovery – saturated soil) | | Saturated – poor recovery No visible PACM/waste or geomembrane | FID = 8.5 PID = 1.5 |
| 6 | | | | | | | | | | |
| | | | | EOB @ 6' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – LT 54 |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH TECHNIQUE |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous sampling in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | Approximately 5.5' bgs reported by driller |
| OTHER OBSERVATIONS: | Phase II Flag Number 563 Former Landfill Area – recreational field FID/PID = C, FID failed calibration check |

Note:
Non-Raymark waste location
PACM = Potential asbestos containing material

BORING NO.: 593A

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 594 |
| PROJECT NO.: | N1369 | START DATE: | 1/8/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/8/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Golf Course | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.5' / 2' | SBP-SO-594-0002 Screening 1/8/04 @ 1450 | | Loose | Red - Brown | Silty SAND, some gravel. Fine-medium sand, poorly graded, fine and coarse gravel subrounded ½" – 1", seashells, organic roots, wood chunks | SM/Fill | Grass/root plug = approximately 2.5" (frozen) | 0.0 | 0.0 |
| 1 | | | | | | Yellow - Brown | Similar to above, with fine to coarse sand, well graded (4") | | | | |
| | | | | | | Brown | Fine-medium SAND, fine and coarse gravel subrounded, rock fragments | SP/Fill | Less recovery | | |
| 2 | | | | | | | | | | | |
| | | 1.5' / 2' | SBP-SO-594-0204 Screening 1/8/04 @ 1500 | | | | SAND, some gravel. Mostly fine-medium sand, trace coarse sand, fine and coarse gravel subrounded ¼" – 1 ½", rock fragments, (chips) | SW/Fill | Damp at 2' | 0.0 | 0.0 |
| 3 | | | | | | | | | | | |
| | | | | | | | | | Less recovery Dry | | |
| 4 | | | | | | | | | | 0.0 | 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule | Notes: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | PID = C | |
| METHOD OF ROCK CORING: | N/A | FID = A (Failed Calibration Check) | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 645 Former Landfill Area | BORING NO.: 594 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 595 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/8/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 1/8/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0' - 0.2' - Grass/roots | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.5' / 2.0' | SBP-SO-595-0002 Screening 1/8/04 @ 1540 | | Slightly Dense | Dark Red | 0.2' - 0.4' - Fine-medium SAND, trace silt, some organics (roots) | SP | Moist | PID=0.0 FID=0.0 |
| 1 | | | | | | Brown | 0.4' - 0.7' - Fine-coarse SAND, some gravel, trace silt | SW | | |
| | | | | | | Black | 0.7' - 1.5' - Fine-medium SAND, piece of plastic | SP/Fill | | |
| 2 | | | | | | | | | | |
| | | 1.4' / 2.0' | SBP-SO-595-0204 Screening 1/8/04 @ 1545 | | | | 0' - 0.1' - Fine-medium SAND, some gravel, trace silt | SP | | PID=0.0 FID=0.0 |
| 3 | | | | | | | | | | |
| | | | | | | Gray | 0.1' - 0.6' - Fine-medium SAND, some glass | SP/Fill | | |
| | | | | | | Dark Gray | 0.6' - 1.0' - Fine-coarse SAND, and plastic, some glass | SW/Fill | | |
| 4 | | | | | | | 1.0' - 1.4' - Fine-medium SAND – PACM (small piece) | Fill | PACM found in sample | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (rig 2) | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | Note: | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | PACM = Potential asbestos containing material | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I FID= B PID= C Flag number 655 Former Landfill area –field next to mini golf course | BORING NO.: 595 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 596 |
| PROJECT NO.: | N1369 | START DATE: | 1/8/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/8/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Golf Course | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.7' / 2' | SBP-SO-596-0002 Screening and Confirmation 1/8/04 @ 1515 | | Loose | Red - Brown | Silty SAND. Fine-medium fine sand, poorly graded, organic roots, glass shards | SM/Fill | Grass/root plug = approximately 2" | 0.0 | 0.0 |
| 1 | | | | | | Tan - Gray | SAND, trace silt. Fine sand, poorly graded, seashells, organic roots | SP/Fill | | | |
| | | | | | | Black | Silty SAND, some gravel. Fine to coarse sand, well graded, fine and coarse subrounded gravel ½" – 1 ½", wood, plastic, tiles | SM/Fill | | | |
| 2 | | | | | | | | | | 4.1 | 0.0 |
| | | 1.7' / 2' | SBP-SO-596-0204 Screening 1/8/04 @ 1520 | | | | | | | 4.1 | 0.0 |
| 3 | | | | | | Brown | Similar to above, with organic material | | Damp at 3' | 224 | 0.0 |
| | | | | | | | | | | | |
| 4 | | | | | | Black | Similar to above, with plastic, tiles, reeds, wood chunks | | | 286 | 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule | Notes: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | PID = C | |
| METHOD OF ROCK CORING: | N/A | FID = A (Failed Calibration Check) | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 390 Former Landfill Area | BORING NO.: 596 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 597 |
| PROJECT NO.: | N1369 | START DATE: | 1/8/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/8/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Golf Course | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 2' / 2' | SBP-SO-597-0002 Screening 1/8/04 @ 1540 | | Dense | Red - Brown | Silty SAND. Fine sand mostly, poorly graded, organic roots, seashells, rock chips | SM/Fill | Grass/root plug = approximately 2" (frozen) | 0.0 | 0.0 |
| 1 | | | | | | Tan - Brown | Silty SAND, similar to above | | | | |
| | | | | | Loose | | SAND. Fine sand mostly, poorly graded, seashells | SP/Fill | Damp at 2' | 0.0 | 0.0 |
| 2 | | | | | | | | | | | |
| | | 2' / 2' | SBP-SO-597-0204 Screening 1/8/04 @ 1550 | | | | - Similar to above, plus organic reeds/roots | | | 141 | 0.0 |
| 3 | | | | | | Brown - Black | Silty SAND, some gravel. Fine-medium sand, trace coarse sand, poorly graded, fine and coarse subrounded-subangular gravel to ½" – 1", fibrous pad/netting (long dull fibers), glass, plastic | SM/Fill | | 28 | 0.0 |
| | | | | | | | | | Saturated at 3.5' | | |
| 4 | | | | | | | SAND, some gravel. Fine to coarse sand, well graded, fine and coarse subangular gravel to ½" – 1", rubber pieces | SW/Fill | | 6 | 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule | Notes: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | PID = C | |
| METHOD OF ROCK CORING: | N/A | FID = A (Failed Calibration Check) | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 461 Former Landfill Area | BORING NO.: 597 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 598 |
| PROJECT NO.: | N1369 | START DATE: | 1/8/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 1/8/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0.0' - 0.3' - Grass/roots/topsoil | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.8' / 2.0' | SBP-SO-598-0002 Screening 1/8/04 @ 1600 | | Slightly Dense | Brown | 0.3' - 0.8' - Fine-medium SAND, trace organics (roots), trace angular gravel | SP | Moist | PID=0.0 FID=0.0 |
| 1 | | | | | | Dark Brown | 0.8' - 1.2' - Fine-medium SAND, piece of plastic at 0.8' | SP/Fill | | |
| 2 | | | | | | Black | 1.2' - 1.8' - Fine-coarse SAND, large nut and washer | SW/Fill | | |
| | | 1.5' / 2.0' | SBP-SO-598-0204 Screening 1/8/04 @ 1605 | | | | 0.0' - 0.9' - Fine-medium SAND, piece of wood | SP/Fill | | PID=0.0 FID=0.0 |
| 3 | | | | | Slightly Loose | Black/ White | 0.9' - 1.1' - Ash/charcoal layers | Fill | | |
| | | | Screening DUP 14 1/8/04 @ 1610 | | | Dark Gray | 1.1' - 1.5' - Fine-medium SAND, rubber gasket | SP/Fill | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID= C PID= B Flag number 537 Former Landfill area –field near mini golf course |

BORING NO.: 598

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 599 |
| PROJECT NO.: | N1369 | START DATE: | 1/8/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/8/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Golf Course | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 2' / 2' | SBP-SO-599-0002 Screening 1/8/04 @ 1600 | | Loose | Brown Gray | Silty SAND. Fine-medium sand, poorly graded, plastic, organic roots, oxidized pieces | SM/Fill | Grass/root plug = approximately 2" | 0.0 | 0.0 |
| 1 | | | | | | | | | Frozen at surface | | |
| | | | | | | Gray | SAND, trace silt, trace gravel. Fine sand mostly, fine gravel subrounded to ½", plastic, seashells | SP/Fill | | 0.0 | 0.0 |
| 2 | | | | | | | | | Damp at 2' | | |
| | | | SBP-SO-599-0204 Screening | | | | Similar to above, with organic reeds/roots | | | 142 | 0.0 |
| 3 | | | 1/8/04 @ 1605 DUP13 @ 1610 | | Dense | | SAND, trace silt. Fine sand mostly, poorly graded, seashells | | Saturated at 3' | | |
| | | | (screening) | | | | | | | 87 | 0.0 |
| 4 | | | | | | Black | SAND, some gravel. Fine-medium sand, fine and coarse subrounded gravel to ½" – 1", organic material, wood, reeds/roots | | Organic odors | 1600 | 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule | Notes: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | PID = C | |
| METHOD OF ROCK CORING: | N/A | FID = A (Failed Calibration Check) | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 389 Former Landfill Area | BORING NO.: 599 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 600 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/8/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | PP | COMPLETION: DATE: | 1/8/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/Rob Ullmann | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JD |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | NA | | | | | | 0' - 0.2' - Grass/roots | | | |
| | | 1.7' / 2.0' | SBP-SO-600-0002 Screening 1/8/04 @ 1615 | | Slightly Dense | Dark Red | 0.2' – 0.6' - Fine-medium, SAND trace organics (roots) trace silt | SP | Moist | PID=0.0 PID=0.0 |
| 1 | | | | | Slightly Loose | Gray | 0.6' - 1.3' - Fine-medium SAND | | | |
| | | | | | | White | 1.3' - 1.7' - GRAVEL, some fine-coarse sand | GW | | |
| 2 | | | | | | | | | | |
| | | 1.6' / 2.0' | SBP-SO-600-0204 Screening 1/8/04 @ 1620 | | | Tan Gray | 0' - 0.1' – Fine-medium SAND<br>0.1' - 0.6' - Fine-medium SAND, trace angular gravel | SP | | PID=0.0 PID=0.0 |
| 3 | | | | | | Dark Gray | 0.6' - 1.1' - Fine-medium SAND | | | |
| | | | | | | Gray- | 1.1' - 1.5' - Fine-coarse SAND | SW | | |
| 4 | | | | | | Black | 1.5' - 1.6' - Silty fine-medium SAND, trace gravel | SM | | |
| | | | | EOB@ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 495 - Former Landfill Area - Field next to mini golf course FID = C PID = B | BORING NO.: 600 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 601 |
| PROJECT NO.: | N1369 | START DATE: | 1/8/04 |
| LOGGED BY: | J. Lambert | COMPLETION: DATE: | 1/8/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JD |

TRANSCRIBED BY: PP

ELEVATION FROM:

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0' – 0.2' – Grass/roots | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.6' / 2.0' | SBP-SO-601-0002 Screening 1/8/04 @ 1630 | | Slightly Loose | Brown | 0' – 0.8' – Fine-coarse SAND, some organics (roots), trace silt | SW | Moist | PID-0.0 FID-0.0 |
| 1 | | | | | | Dark Red | 0.8' – 1.1' – Fine-medium SAND, trace silt, trace organics (roots) | SP | | |
| | | | | | | Light Brown | 1.1' – 1.6' – Fine-coarse SAND, some silt | SW | | |
| 2 | | | | | Slightly Dense | | | | | |
| | | 1.5' / 2.0' | SBP-SO-601-0204 Screening and Confirmation 1/8/04 @ 1635 | | | | 0' – 0.5' – Gravely fine-coarse SAND, trace silt | | | PID-0.0 FID-0.0 |
| 3 | | | | | Slightly Loose | Gray | 0.5' – 0.9' – Fine-medium SAND, trace shells | SP | | |
| | | | | | | Gray - Brown | 0.9' – 1.5' – Fine-medium SAND, trace silt | | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 446 Former Landfill Area - field near mini-golf course (along Dome Drive) FID = C PID = B | BORING NO.: 601 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 602 |
| PROJECT NO.: | N1369 | START DATE: | 1/8/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: PP | COMPLETION: DATE: 1/8/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | NA | | | | | | 0' - 0.2' – Grass/roots | | | |
| | | 1.7' / 2.0' | SBP-SO-602-0002 Screening 1/8/04 @ 1640 | | Slightly Loose | Brown | 0.2' - 0.6' – Silty fine-medium SAND, trace gravel, some organics (roots) | SM | Moist | PID – 0.0 FID – 0.0 |
| 1 | | | | | Slightly Dense | Light Brown | 0.6' – 1.4' – Fine-coarse SAND, some gravel | SW | | |
| | | | | | | Dark Red | 1.4' – 1.7' - Fine-medium SAND, trace gravel (subrounded) | SP | | |
| 2 | | | | | | | | | | |
| | | 1.5' / 2.0' | SBP-SO-602-0204 Screening 1/8/04 @ 1645 | | | | 0' – 0.4' – Fine-medium SAND | | | PID – 0.0 FID – 0.0 |
| 3 | | | | | Slightly Loose | Dark Gray | 0.4' – 0.5' – Fine-medium SAND | | | |
| | | | | | | Gray | 0.5' – 1.5' – Fine-medium SAND, trace shells | | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I Flag Number 444 Former Landfill Area - Field next to Mini-Golf Course FID/PID = C/B |

BORING NO.: 602

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 603 |
| PROJECT NO.: | N1369 | START DATE: | 1/9/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/9/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Golf Course | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 2' / 2' | SBP-SO-603-0002 Screening 1/9/04 @ 0945 | | Dense | Brown | SAND, some silt, trace gravel. Fine-medium sand, fine gravel, subrounded, organic roots, rock chips | SM/Fill | Grass/root plug = approximately 3" (frozen) | 0.0 | 0.0 |
| 1 | | | | | | | | | | | |
| | | | | | | Red - Brown | Similar to above, with fewer organic roots | | | | |
| 2 | | | | | Loose | Black - Gray | SAND, fine sand, poorly graded, seashells | SP/Fill | Damp | 142 | 0.0 |
| | | 1' / 2' | SBP-SO-603-0204 Screening 1/9/04 @ 0950 | | | Red – Green | Silty SAND. Fine-medium sand, poorly graded, plastic, 2" wood chunks, organic roots, reeds | SM/Fill | | 6.8 | 0.0 |
| 3 | | | | | | | | | | | |
| 4 | | | | | | | | | Poor recovery, organics at end | | |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs -- Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I Flag Number 373 Former Landfill Area |

BORING NO.: 603

Tetra Tech NUS, Inc.



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 | BORING NO.: | 603A |
| PROJECT NO.: | N1369 | START DATE: | 1/28/04 |
| LOGGED BY: | K. Jalkut | COMPLETION: DATE: | 1/28/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/M. Sarro | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JL |

TRANSCRIBED BY: RAC

ELEVATION FROM:

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | No samples for analysis 0' – 2' | | | | Refer to Boring Log Number 603 for soil profile descriptions from 0' – 4' | | Using drive point to advance 0' – 4' (no macro cores) | |
| 1 | | | | | | | | | | |
| 2 | | | | | | | | | | |
| 3 | | | No samples for analysis 2' – 4' | | | | | | | |
| 4 | | | | | | | | | | |
| | | 1.7' / 2' | SBP-SO-603A-0406 Screening 1/28/04 @ 1040 | | Dense | Brown | SILT, some sand, trace gravel. Fine sand, trace medium sand, poorly graded, fine subangular gravel to ¼", coarse gravel subrounded to 1". Organic reeds | SM/Fill | 3 attempts 4' – 6' (2 refusals) Wet at 4' (fines) | FID = 0 PID = 0 |
| 5 | | | | | Loose | Black | SAND, trace gravel. Fine-medium sand, poorly graded fine and coarse subrounded gravel to 1", glass shards, ceramic shards, clinkers, organics, wood chunks | SP/Fill | | FID = 531 PID = 0 |
| 6 | | | | | | | | | Burn layer (black) at 4.5' – 6', dry Compressed soil – poor recovery | FID = 92 PID = 0.6 |
| | | 1.7' / 2' | SBP-SO-603A-0608 Screening 1/28/04 @ 1130 | | | | SAND, some silt, trace gravel. Fine-medium sand, trace coarse sand, poorly graded, fine gravel subangular to ½" | SM/Fill | Burn layer continues (0.3') | FID = 28 PID = 0 |
| 7 | | | | | | Light Brown | Similar to above, less gravel, organic roots | | | FID = 38 PID = 0 |
| | | | | | Dense | Tan | Silty SAND, trace clay (clay sized particles). Mostly fine sand, poorly graded, organic roots, twigs | | Damp at 8' | FID = 137 PID = 0 |
| 8 | | | | | Loose | Black | BURN LAYER, silty fine-coarse SAND, some gravel, fine and coarse gravel subangular to 1", glass, charcoal, twigs, roots | | | FID = 48 PID = 0 |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – LT 54 | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH TECHNIQUE | Note: | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous sampling in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | Non-Raymark waste location | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase II Flag Number 373 Former Landfill Area – near parking lot and soccer field | BORING NO.: 603A | PAGE: 1 OF 2 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 | | | BORING NO.: | 603A |
| PROJECT NO.: | N1369 | | | START DATE: | 1/28/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: | RAC | COMPLETION: DATE: | 1/28/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/M. Sarro | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 8 | NA | | | | | | | | | |
| | | 1' / 2' | SBP-SO-603A-0810<br>Screening<br>1/28/04 @ 1145 | | Loose | Black | GRAVEL, fill/wood fill mixed with silty fine coarse sand, well graded, fine coarse sand, well graded, fine coarse subangular gravel ½" – 1 ½" | GW/Fill | Saturated at approximately 9'. Poor recovery, compressed fill or too loose to continue | FID = 4.7<br>PID = 0 |
| 9 | | | | | | | | | | FID = 8.2<br>PID = 1.2 |
| 10 | | | | | | | | | | |
| | | | | EOB @ 10' bgs | | | EOB @ 10' bgs - Backfill all holes (3) with Bentonite chips and topsoil (1'-0') | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – LT 54 | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH TECHNIQUE | Note: | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous sampling in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | Non-Raymark waste location | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase II Flag Number 373 Former Landfill Area – near parking lot and soccer field | BORING NO.: 603A | PAGE: 2 OF 2 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 604 |
| PROJECT NO.: | N1369 | START DATE: | 1/9/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: PP | COMPLETION: DATE: 1/9/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | NA | | | | | | Top 0.4' – Asphalt – Not sampled | | | |
| | | 1.1' / 2.0' | SBP-SO-604-0002 Screening 1/9/04 @ 0935 | | Slightly Loose | Tan | 0' – 0.4' – Fine- medium SAND | SP | Moist | PID-0.0 FID-0.0 |
| 1 | | | | | | Gray Dark Gray | 0.4' – 0.5' – Medium SAND 0.5' – 0.6' – Silty SAND | SM | | |
| | | | | | | | 0.6' – 0.7' – Fine-medium SAND 0.7' – 1.1' – Silty fine SAND | SP SM | | |
| 2 | | | | | | | | | | |
| | | 1.1' / 2.0 | SBP-SO-604-0204 Screening 1/9/04 @ 0940 | | Loose | Dark Brown Gray | 0' – 0.2' – Silty fine-medium SAND, trace coarse sand 0.2' – 0.3' – Medium SAND | SP | | PID-0.0 FID-0.0 |
| 3 | | | | | | Dark Gray | 0.3' – 0.4' – Similar material to above (color change only) 0.4' – 0.5' – Medium-coarse SAND and shell fragments | | | |
| | | | | | | Light Gray | 0.5' – 1.1' – Medium SAND | | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 486 - Former Landfill Area - near Tennis Courts PID/FID = B | BORING NO.: 604 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 605 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/9/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: | RAC | COMPLETION: DATE: | 1/9/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Golf Course | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 2' / 2' | SBP-SO-605-0002 Screening 1/9/04 @ 1020 | | Frozen | Brown | SAND, some silt. Fine-medium sand poorly graded, organic roots | SM/Fill | Grass/root plug = approximately 0" (frozen) | 0.0 | 0.0 |
| 1 | | | | | | | | | | | |
| | | | | | | Red - Brown | Similar to above, with fewer organics - Trace fine gravel subrounded to ½" | | | | |
| 2 | | | | | | | Silty SAND. Fine-medium sand poorly graded, rock fragments or broken rock (2") | | | 62 | 0.0 |
| | | 1.3' / 2' | SBP-SO-605-0204 Screening 1/9/04 @ 1025 | | | Brown | Silty SAND, trace gravel. Fine to coarse sand, well graded, fine and coarse subrounded gravel ½" – ¾", rock fragments | | | | |
| 3 | | | | | | | | | | | |
| | | | | | | | SILT or DECOMPOSED MATERIAL with glass, ash, cloth, metal fragments | ML/Fill | | 103 | 0.0 |
| 4 | | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule | Note: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | FID/PID = C | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 374 Former Landfill Area | BORING NO.: 605 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 606 |
| PROJECT NO.: | N1369 | START DATE: | 1/9/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: PP | COMPLETION: DATE: 1/9/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0' – 0.3' – Grass/roots | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.6' / 2.0' | SBP-SO-606-0002 Screening 1/9/04 @ 1015 | | Slightly Loose | Yellow | 0.3' – 0.4' – Silty-fine SAND trace organics (roots) | SM | Moist | PID = 0.0 FID = 0.0 |
| 1 | | | | | Loose | Light Gray | 0.4' – 0.6' – Medium SAND, trace roots<br>0.6' – 0.7' – Fine-medium SAND | SP | | |
| | | | | | | | 0.7' – 1.4' – Medium SAND, trace coarse sand | | | |
| 2 | | | | | | | 1.4' – 1.6' – Fine-medium SAND | | | |
| | | 1.5' / 2.0' | SBP-SO-606-0204 Screening and Confirmation 1/9/04 @ 1020 | | | Gray<br>Tan | 0' – 0.2' – Fine-coarse SAND<br>0.2' – 0.5' – Medium-coarse SAND | SW<br>SP | | PID = 0.0 FID = 0.0 |
| 3 | | | | | Slightly Loose | Gray | 0.5' – 0.6' - Fine-medium SAND, trace shells | | | |
| | | | | | Loose | Off White | 0.6' – 0.7' – Medium SAND | | | |
| | | | | | Slightly Loose | Dark Gray | 0.7' – 0.8' – Fine-medium SAND, trace shells | | | |
| 4 | | | | | Loose | Light Gray | 0.8' – 1.5' – Medium SAND, trace coarse sand | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 781 Former Landfill Area - near Tennis Courts FID/PID = B | BORING NO.: 606 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 607 |
| PROJECT NO.: | N1369 | START DATE: | 1/9/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/9/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Golf Course | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.6' / 2' | SBP-SO-607-0002 Screening 1/9/04 @ 1040 | | Loose | Red – Brown | SAND, some silt, trace gravel. Fine-medium sand with trace coarse sand, poorly graded, fine gravel subrounded to ½", organic roots | SM/Fill | Grass/root plug = approximately 2" (frozen) | 0.0 | 0.0 |
| 1 | | | | | | | | | | | |
| | | | | | Dense | Yellow – Brown | Silty SAND. Fine-medium sand, poorly graded, rock chips, organic roots | | | | |
| 2 | | | | | Loose | Gray Brown | Similar to above, with glass, plastic, metal fragments, organic roots/reeds | | Damp | | |
| | | 1.6' / 2' | SBP-SO-607-0204 Screening 1/9/04 @ 1045 | | | | Silty SAND, trace gravel. Fine-medium sand, fine gravel to ½" | | | 107 | 0.0 |
| 3 | | | | | | | - alternating 1" – 2" intervals of fine-medium gray sand every 6" – 8" | | | | |
| | | | | | | Black | - metal pieces, glass, well graded, fine and coarse gravel subrounded to 1", rock fragments | | Damp | 235 | 0.0 |
| 4 | | | | | | | Similar to above, with more fine to coarse sand | | | 75 | 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 372 Former Landfill Area | BORING NO.: 607 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 608 |
| PROJECT NO.: | N1369 | START DATE: | 1/9/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: PP | COMPLETION: DATE: 1/9/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0' – 3' – Grass/roots | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.5' / 2.0' | SBP-SO-608-0002 Screening 1/9/04 @ 1040 | | Loose | Light Gray | 0.3' – 0.7' - Fine-medium SAND | SP | top 0.5' = Frozen Moist | PID = 0.0 FID = 0.0 |
| 1 | | | | | | Gray | 0.7' – 0.8' - Silty-fine SAND, some organics (roots) trace medium sand | SM | | |
| | | | | | | Light Gray | 0.8' – 1.3' - Medium-coarse SAND | SP | | |
| 2 | | | | | | | 1.3' – 1.5' – Fine-coarse SAND | SW | | |
| | | 1.4' / 2.0 | SBP-SO-608-0204 Screening 1/9/04 @ 1045 | | | | 0' – 0.4' – Fine-medium SAND, trace rounded gravel | SP | | PID = 8.0 FID = 0.0 |
| 3 | | | | | | Orange/ Gray | 0.4' – 0.5' – Fine-medium SAND, trace silt | | | |
| | | | | | | Dark Gray | 0.5' – 1.2' – Fine SAND, some medium sand | | | |
| 4 | | | | | Slightly Loose | Gray Black | 1.2' – 1.3' – Fine SAND 1.3' – 1.4' – Silty fine SAND | SM | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 182 Former Landfill Area – near Tennis Court - FID/PID = B | BORING NO.: 608 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 609 |
| PROJECT NO.: | N1369 | START DATE: | 1/9/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/9/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | NA | | | | | | Golf Course | | | | |
| | | 2' / 2' | SBP-SO-609-0002 Screening 1/9/04 @ 1050 | | Frozen | Red – Brown | SAND, some silt, trace gravel. Fine-medium sand poorly graded, fine gravel subrounded to ½" | SM/Fill | Grass/root plug = approximately 2" (frozen) | 0.0 | 0.0 |
| 1 | | | | | | Brown | | | | | |
| | | | | | Loose | | Similar to above, with rock fragments (2") | | | | |
| 2 | | | | | | | - glass, metal fragments, organic material | | | | |
| | | 1.7' / 2' | SBP-SO-609-0204 Screening and Confirmation 1/9/04 @ 1055 | | | Gray – Brown | SAND, some silt. Fine-medium sand poorly graded | | | 0.0 | 0.0 |
| 3 | | | | | | Yellow – Brown | GRAVEL/ASPHALT layer, fine and coarse gravel to 1" subangular | GP/Fill | | | |
| | | | | | | Black | SAND, some silt, with charred wood, organic roots/reeds | SM/Fill | | | |
| 4 | | | | | | | | | | 0.0 | 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 363 Former Landfill Area | BORING NO.: 609 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 610 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/9/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | PP | COMPLETION: DATE: | 1/9/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/Rob Ullmann | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JD |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0' – 0.3' Grass/roots | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.7' / 2.0' | SBP-SO-610-0002 Screening 1/9/04 @ 1105 | | Loose | Light | 0.3' – 0.8' – Fine-medium SAND, trace coarse sand, trace organics (roots) | SW | Moist | FID = 0.0 PID = 0.0 |
| 1 | | | | | | Dark Gray | 0.8' – 1.2' – Fine-medium SAND | SP | | |
| | | | | | | Gray | 1.2' – 1.4' – Fine-medium SAND | | | |
| | | | | | Slightly Loose | Brown | 1.4' – 1.6'- Fine-medium SAND, trace silt | | | |
| 2 | | | | | Loose | Gray | 1.6' – 1.7' – Fine-medium SAND | | | |
| | | 1.4' / 2.0' | SBP-SO-610-0204 Screening 1/9/04 @ 1110 | | | Light Gray | Fine-medium SAND, trace coarse sand, trace rounded gravel | SW | | FID = 0.0 PID = 0.0 |
| 3 | | | | | | | | | | |
| | | | | | | | | | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 7783 Former Landfill Area-near Tennis Courts FID/PID = B | BORING NO.: 610 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 611 |
| PROJECT NO.: | N1369 | START DATE: | 1/9/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/9/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | NA | | | | | | Golf Course | | | | |
| | | 1.8' / 2' | SBP-SO-611-0002 Screening 1/9/04 @ 1110 | | Frozen | Red – Brown | SAND, some silt, trace gravel. Fine-medium sand poorly graded, fine and coarse gravel subangular to 1" | SM/Fill | Grass/root plug | 0.0 | 0.0 |
| 1 | | | | | Loose | Brown | Silty SAND. Fine-medium sand poorly graded, organic roots | | | | |
| 2 | | | | | | | ASPHALT/ROCK FRAGMENTS at end of liner | GP/Fill | Damp at 2' | 0.0 | 0.0 |
| | | 2' / 2' | SBP-SO-611-0204 Screening 1/9/04 @ 1115 | | | | Silty SAND, some gravel. Fine to coarse sand, well graded, fine and coarse gravel subrounded to ¼" – 1" | SM/GM Fill | | 0.0 | 0.0 |
| 3 | | | | | | | | | | | |
| 4 | | | | | | | | | | 0.0 | 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I Flag Number 362 Former Landfill Area |

BORING NO.: 611

Tetra Tech NUS, Inc.



TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 612 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/9/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | PP | COMPLETION: DATE: | 1/9/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/Rob Ullmann | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JD |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0' – 0.3' – Grass/roots | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 1.4' / 2.0' | SBP-S0-612-0002 Screening 1/9/04 @ 1120 | | Slightly Loose | Light Brown | 0.3' – 1.4' – Fine-medium SAND, trace coarse sand, some organics (roots) | SW | Moist | FID = 0.0 PID = 0.0 |
| 2 | | | | | | | | | | |
| 3 | | 1.5' / 2.0' | SBP-S0-612-0204 Screening 1/9/04 @ 1125 | | Loose | Tan | 0' – 0.5' – Similar material to above 0.5' – 0.7' – Medium-coarse SAND | SP | | FID = 0.0 PID = 0.0 |
| | | | | | Slightly Loose | Black | 0.7' – 0.9' – Medium SAND | | | |
| 4 | | | | | Loose | Dark Gray | 0.9' – 1.5' – Medium SAND, trace coarse sand | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 784 Former Landfill Area-near Tennis Courts FID/PID = B | BORING NO.: 612 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 613 |
| PROJECT NO.: | N1369 | START DATE: | 1/9/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/9/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Golf Course | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.8' / 2' | SBP-SO-613-0002 Screening 1/9/04 @ 1135 | | Frozen | Red – Brown | SAND, some silt. Fine-medium sand, poorly graded, seashell fragments | SM/Fill | Grass/root plug = approximately 2" (frozen) | 0.0 | 0.0 |
| 1 | | | | | Loose | Gray | SAND. Mostly fine sand, poorly graded, trace medium sand, seashells | SP/Fill | | 0.0 | 0.0 |
| 2 | | | | | | | | | | | |
| 3 | | 1.8' / 2' | SBP-SO-613-0204 Screening 1/9/04 @ 1140 | | Dense | Dark Brown | Silty SAND, some gravel. Fine to coarse sand, well graded, fine and coarse gravel subrounded-subangular ½" – 1" | SM/Fill | Gravels or rock fragments separate layers | 29.3 | 0.0 |
| 4 | | | | | Loose | Gray | SAND. Fine-medium sand, poorly graded, seashells | SP/Fill | Damp | 7.0 | 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I Flag Number 364 Former Landfill Area |

BORING NO.: 613

Tetra Tech NUS, Inc.



TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 614 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/9/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | PP | COMPLETION: DATE: | 1/9/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/Rob Ullmann | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JD |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | NA | | | | | | 0' – 0.3' – Grass/roots | | | |
| | | 1.7' / 2.0' | SBP-SO-614-0002 Screening 1/9/04 @ 1135 | | Loose | Brown | 0.3' – 0.8' – Fine-coarse SAND, trace silt, trace organics (roots) | SW | Moist | PID = 0.0 FID = 0.0 |
| 1 | | | | | | Light Brown | 0.8' – 1.3' – Fine-coarse SAND, trace subrounded gravel | | | |
| | | | | | | Dark Brown | 1.3' – 1.6' – Fine-medium SAND, trace silt | SP | | |
| 2 | | | | | | Light Brown | 1.6' – 1.7' – Fine-coarse SAND | SW | | |
| | | 1.3' / 2.0' | SBP-SO-614-0204 Screening 1/9/04 @ 1140 | | Slightly Loose | | 0' – 0.1' – Silty fine SAND, trace gravel (subrounded) | SM | | PID = 0.0 FID = 0.0 |
| 3 | | | | | Loose | Gray | 0.1' – 0.7' – Medium, coarse SAND, some shells | SP | | |
| | | | | | | | 0.7' – 1.3' – Fine-medium SAND, trace shells | | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I Flag Number 785 Former Landfill Area-near Tennis Court area - FID/PID = B |

BORING NO.: 614

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 615 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/9/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: | RAC | COMPLETION: DATE: | 1/9/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Golf Course | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.8' / 2' | SBP-SO-615-0002 Screening 1/9/04 @ 1200 | | Frozen | Dark Brown | Silty SAND, trace gravel. Fine-medium sand, poorly graded, fine gravel subrounded to ½", glass, seashells, organic roots | SM/Fill | Grass/root plug = approximately 2.5" (frozen) | 0.0 | 0.0 |
| 1 | | | | | Loose | | | | | | |
| | | | | | | Gray | BROKEN ROCK – SCHIST. Weathered and oxidized pieces | Rock Fill | | 0.0 | 0.0 |
| 2 | | | | | | Tan - Gray | SAND, some silt. Fine-medium sand, poorly graded, seashells | SM/Fill | Damp | 0.0 | 0.0 |
| | | 2' / 2' | SBP-SO-615-0204 Screening 1/9/04 @ 1205 | | | Gray | SAND. Fine-medium sand, poorly graded, seashells | | Oxidized grains | | |
| 3 | | | | | Dense | Orange - Brown | Silty SAND, some gravel. Fine-medium sand, trace coarse sand, fine and coarse gravel subrounded-subangular, rock fragments, one 2" black layer – possible asphalt | SM/GM Fill | | 0.0 | 0.0 |
| 4 | | | | | | | | | | 0.0 | 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 388 Former Landfill Area | BORING NO.: 615 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 616 |
| PROJECT NO.: | N1369 | START DATE: | 1/12/04 |
| LOGGED BY: | J. Lambert | COMPLETION: DATE: | 1/12/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JD |
| TRANSCRIBED BY: | PP | | |
| ELEVATION FROM: | | | |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0' – 0.3' – Grass/roots (frozen) | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.9' / 2.0' | SBP-SO-616-0002 Screening 1/12/04 @ 1215 | | Slightly Loose | Brown | 0.3' – 1.4' – Fine-coarse SAND, some silt, trace gravel, trace organics (roots) | SW | Moist | PID = 0.7 FID = 1.1 |
| 1 | | | | | | | | | | |
| | | | Screening DUP 15 1/12/04 @ 1220 | | Loose | Dark Brown | 1.4' – 1.9' – Fine-coarse SAND some silt, trace gravel, trace charcoal | SW/Fill | | |
| 2 | | | | | | | | | | |
| | | 0.9' / 2.0' | SBP-SO-616-0204 Screening 1/12/04 @ 1225 | | | | 0' – 0.5' – Similar material to above | | | PID = 0.4 FID = 0.0 |
| 3 | | | | | Slightly Loose | Brown | 0.5' – 0.6' – Plastic, glass, some fine-coarse SAND | Fill | | |
| | | | | | | Off-White | 0.6' – 0.65' – Gooey material, caulk-like | | | |
| 4 | | | | | | Yellow | 0.65' – 0.9' – Newspaper, compacted and deteriorated | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I Flag Number 338 Former Landfill Area - parking lot for Golf School/Course FID/PID = C |

BORING NO.: 616

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 617 |
| PROJECT NO.: | N1369 | START DATE: | 1/12/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/12/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Golf Course | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 2' / 2' | SBP-SO-617-0002 Screening 1/12/04 @ 1230 | | Frozen | Dark Brown | SAND, some silt, trace rock fragments/gravel. Fine-medium sand, poorly graded, fine gravel/rock fragment subangular to ½", organic roots, plastic | SM/Fill | Grass/root plug = approximately 4" (frozen) | 14 | 0.0 |
| 1 | | | | | | Brown | Silty SAND, some gravel. Fine-medium sand, some coarse sand, poorly graded, fine and coarse subangular gravel to ½" – 1", glass, rubber | | | | |
| | | | | | | | | | Damp | 21 | 0.0 |
| 2 | | | | | Loose | Dark Brown Black | Silty SAND, some gravel. Fine sand, trace medium sand, poorly graded, fine and coarse gravel subrounded to ½" – ¼", organic material, metal debris | | Dry | 95 | 0.0 |
| | | 1.7' / 2' | SBP-SO-617-0204 Screening and Confirmation 1/12/04 @ 1235 | | | | | | | 13.3 | 0.0 |
| 3 | | | | | | Grayish Brown | SAND, some silt. Fine sand, trace medium sand, poorly graded | | | | |
| | | | | | | Dark Brown | ROCK CHIPS approximately 3" | Fill | Damp | 3 | 0.0 |
| 4 | | | | | | | Silty SAND, some organics, trace gravel. Fine medium sand, poorly graded, coarse gravel subrounded to 1 ½" | SM/Fill | | 63 | 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule | Notes: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | FID = A | |
| METHOD OF ROCK CORING: | N/A | PID = A | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 437 Former Landfill Area | BORING NO.: 617 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | BORING NO.: 618 |
| PROJECT NO.: | N1369 | | START DATE: 1/12/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: PP | COMPLETION: DATE: 1/12/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/Rob Ullmann | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | NA | | | | | | Top 0.5' = Asphalt | | | |
| | | 1.3' / 2.0' | SBP-SO-618-0002 Screening 1/12/04 @ 1255 | | Slightly Dense | Dark Red | 0' – 0.5' – Fine-Medium SAND, trace coarse sand, trace silt | SW | Moist | PID = 0.0 FID = 0.0 |
| 1 | | | | | | | | | | |
| | | | | | Slightly Loose | Dark Brown | 0.5' – 1.3' – Fine-Coarse SAND, trace silt, some glass, trace plastic, some asphalt pieces, wood, metal pieces | SW/FILL | | |
| 2 | | | | | | | | | | |
| | | 1.2 / 2.0' | SBP-SO-618-0204 Screening and Confirmation 1/12/04 @ 1300 | | | Dark Brown | 0.' – 0.5' – Fine-coarse SAND, some silt, trace glass and slag | | | PID = 0.0 FID = 0.5 |
| 3 | | | | | | Brown | 0.5' – 0.7' – Fine-medium SAND, trace gravel | SP | | |
| | | | | | | Light Brown | 0.7' – 1.2' – Silty fine-medium SAND, trace coarse sand, some wood fragments, asphalt (degraded) in nose | SM/FILL | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | Note: 1st attempt had almost no recovery – possibly pushing a cobble. Will move over and try again. | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 339 Former Landfill Area – parking lot by Golf Club FID/PID = C | BORING NO.: 618 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 619 |
| PROJECT NO.: | N1369 | START DATE: | 1/12/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/12/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Golf Course | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.9' / 2' | SBP-SO-619-0002 Screening 1/12/04 @ 1240 | | Frozen | Gray - Brown | SAND, trace silt, trace gravel. Fine-medium sand, poorly graded, fine gravel subrounded to ½", rock chips, organic material | SP/Fill | Grass/root plug = approximately 3" (frozen) | 0.0 | 0.0 |
| 1 | | | | | | | | | | | |
| | | | | | | | | | | 0.0 | 0.0 |
| 2 | | | | | Loose | Dark Brown Black | Silty SAND, some gravel. Fine sand, trace medium sand, poorly graded, fine gravel subrounded to ½", organic reeds/roots, wood | SM/Fill | Damp | 33.3 | 0.0 |
| | | 2' / 2' | SBP-SO-619-0204 Screening 1/12/04 @ 1245 | | Dense | Dark Brown | Silty SAND, some gravel. Fine-medium sand, poorly graded, fine and coarse gravel subrounded-subangular , organic material (degraded reeds/roots) | | | 0.0 | 0.0 |
| 3 | | | | | | | | | | | |
| | | | | | Loose | Gray | SAND. Fine sand, poorly graded | SP/Fill | | 44.0 | 0.0 |
| 4 | | | | | | | Silty SAND, some gravel, some organics, charred wood, glass, organics, fine-medium sand, poorly graded | SM/Fill | Pasty – damp to wet | 330 | 4.7 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | | |
|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | |
| METHOD OF ROCK CORING: | N/A | |
| GROUNDWATER LEVELS: | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 436 Former Landfill Area | BORING NO.: 619 |



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 620 |
| PROJECT NO.: | N1369 | START DATE: | 1/12/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: PP | COMPLETION: DATE: 1/12/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | NA | | | | | | Top 0.5' – Asphalt (removed with star bit) | | | |
| | | 1.6' / 2.0' | SBP-SO-620-0002 Screening 1/12/04 @ 1315 | | Slightly Loose | Dark Red | 0' – 1.1' – Fine-coarse SAND, trace fine gravel (subrounded-rounded), trace silt | SW | Moist | PID = 0.0 FID = 1.0 |
| 1 | | | | | Slightly Dense | Brown | 1.1' – 1.3' – Silty fine SAND, trace coarse sand | SM | | |
| | | | | | | Light Brown | 1.3' – 1.6' – Silty fine-coarse SAND | | | |
| 2 | | | | | | | | | | |
| | | 2.0' / 2.0' | SBP-SO-620-0204 Screening 1/12/04 @ 1320 | | Slightly Loose | Black | 0' – 0.5' – Fine-coarse SAND, some silt, some gravel | SW | | PID = 0.0 FID = 4.0 |
| 3 | | | | | | | 0.5' – 1.7' – Silty fine-coarse SAND, trace rounded-subrounded gravel, some glass, trace asphalt pieces | SM/FILL | | |
| | | | | | | | 1.7' – 2.0' – Fine-sandy SILT | ML | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) | | *Tetra Tech NUS, Inc.* |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 340 Former Landfill Area - parking lot next to Golf Club PID/FID = C | BORING NO.: 620 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 | BORING NO.: | 620A |
| PROJECT NO.: | N1369 | START DATE: | 1/28/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/28/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/M. Sarro | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | No samples for analysis 0' – 2' | | | | Refer to Boring Log Number 620 for soil profile descriptions from 0' – 4' | | | * |
| 2 | | | | | | | | | | |
| 3 | | | No samples for analysis 2' – 4' | | | | | | | |
| 4 | | | | | | | | | | |
| 5 | | 2' / 2' | SBP-SO-620A-0406 Screening 1/28/04 @ 1440 | | Loose | Dark Brown | SAND, some silt, trace gravel. Fine-medium sand, trace coarse sand poorly graded, fine subrounded gravel to ½", organic reeds, roots, wood pieces | SM/Fill | Dry | FID = 5.6 PID = 1.3 |
| | | | | | Dense | Red Brown | Silty SAND, fine-medium poorly graded, fine gravel, trace gravel subrounded to ½" | | Damp | FID = 14.4 |
| | | | | | Loose | Dark Brown | Silty SAND and gravel, fine-coarse sand, fine subrounded–subangular gravel | | | |
| 6 | | | | | | Brown | SAND, fine-medium sand, poorly graded with 2 pieces coarse gravel or rock fragments to 1 ½" subangular | SP/Fill | Saturated (fines) | PID = 1.2 |
| | | | | | Dense | Black | Silty SAND, some organics, some gravel. Fine-medium poorly graded sand, fine coarse subangular gravel to 1", glass, newspaper, clinkers, organic roots | SM/Fill | | FID = 4.4 PID = 0.5 |
| 7 | | 1.7' / 2' | SBP-SO-620A-0608 Screening 1/28/04 @ 1450 | | | | Silty SAND, trace gravel. Fine-medium sand, trace coarse sand, poorly graded, fine gravel ½" subrounded, newspaper (degraded), brick, organic roots | | Saturated | FID = 2.1 PID = 0.3 |
| | | | | | | | | | | FID = 0.7 PID = 0.8 |
| 8 | | | | EOB @ 8' bgs | Loose | | FILL, degraded newspaper, wood chunks, glass, plastic, metal, ash | Fill | Stained black, petroleum like odor | FID = 4.7 PID = 0.6 |
| | | | | | | | EOB @ 8" bgs – Backfill with bentonite chips (8'-1') and topsoil (1'-0') | | | |

No macro cores 4' drilling

1 sleeve = 2'

1 sleeve = 2'

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – LT 54 |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH TECHNIQUE |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous sampling in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | Approximately 6' bgs reported by driller |
| OTHER OBSERVATIONS: | Phase II Flag Number 340 Former Landfill Area – non Raymark waste location PID/FID = E |

Note

* = No PID/FID readings from 0-4' bgs

BORING NO.: 620A

Tetra Tech NUS, Inc.

PAGE: 1 OF 1

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 621 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/12/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: | RAC | COMPLETION: DATE: | 1/12/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD./ | CLR | MATERIAL CLASSIFICATION Golf Course | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 2' / 2' | SBP-SO-621-0002 Screening 1/12/04 @ 1300 | | Frozen | Gray Brown | SAND, some silt. Fine-medium sand, poorly graded, seashells, organic roots | SM/Fill | Grass/root plug = approximately 3" | 0.0 | 0.0 |
| 1 | | | | | Loose | Tan | SAND. Mostly fine sand, trace medium sand, poorly graded, seashells | SP/Fill | | 0.0 | 0.0 |
| 2 | | | | | Dense | Brown | Silty SAND, trace gravel. Fine-medium sand, poorly graded, fine and coarse gravel subrounded to 1", rock chips, brick, glass | SM/Fill | Damp | 0.0 | 0.0 |
| | | 1.7' / 2' | SBP-SO-621-0204 Screening 1/12/04 @ 1305 | | Loose | Tan | SAND, similar to sand layer above | SP/Fill | | 0.0 | 0.0 |
| 3 | | | | | | | Silty SAND, trace gravel. Fine-medium sand, trace coarse sand, fine and coarse gravel subrounded ¼" – 1" | SM/Fill | | 0.0 | 0.0 |
| 4 | | | | | | Yellow to Dark Brown | GRAVEL, some sand. Fine and coarse subangular gravel, rock chips, fine-medium sand, poorly graded | GP/Fill | Damp | 0.0 | 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 413 Former Landfill Area | BORING NO.: 621 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 622 |
| PROJECT NO.: | N1369 | START DATE: | 1/12/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/12/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD! | CLR | MATERIAL CLASSIFICATION Asphalt top 0.4' – not sampled | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.7'/2' | SBP-SO-622-0002 Screening 1/12/04 @ 1435 | | Slightly Dense | Dark Red | 0' – 1.1' – Silty fine-medium SAND, trace coarse sand | SM | Moist | PID = 0.0 |
| 1 | | | | | Slightly Loose | Gray | 1.1' – 1.6' – Fine-medium SAND, trace shells | SP | | FID = 0.0 |
| | | | | | | Brown | 1.6' – 1.7' – PACM – SILT, trace fine sand with small fibers throughout | Fill | PACM in sample | |
| 2 | | | | | | | | | | |
| | | 1.7'/2' | SBP-SO-622-0204 Screening 1/12/04 @ 1440 | | | Red-Brown | 0' – 1.0' – Similar material to above | | PACM in sample | PID = 0.1 |
| 3 | | | | | | Dark Brown | 1.0' – 1.5' – Similar material to above, fewer fibers present | | | FID = 11.1 |
| | | | | | | | | | | |
| 4 | | | | | | Tan | 1.5' – 1.7' – Fine sandy SILT, some wood fragments | ML/Fill | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track – mounted (rig 2) | Note: | *Tetra Tech NUS, Inc.* |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | PACM = Potential asbestos containing material | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 360 Former Landfill Area – Parking lot by golf club FID/PID = C | BORING NO.: 622 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 | BORING NO.: | 622A |
| PROJECT NO.: | N1369 | START DATE: | 1/19/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/20/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/R. Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | SBP-SO-622A-0002 Full Suite, less dioxin and SPLP 1/19/04 @ 1540 | | | | Refer to Boring Log Number 622 for soil profile descriptions from 0' – 4' | | | |
| 1 | | | | | | | | | | |
| 2 | | | | | | | | | | |
| | | | SBP-SO-622A-0204 Full Suite, less dioxin and SPLP 1/19/04 @ 1555 | | | | | | | |
| 3 | | | | | | | | | | |
| 4 | | | | | | | | | | |
| | | 1.0' / 2' | SBP-SO-622A-0406 Full Suite, less dioxin and SPLP 1/19/04 @ 1605 | | Slightly Dense | Black | Silty fine SAND, trace brick, trace plastic, trace glass | SM/Fill | Moist | PID = 0.0 |
| 5 | | | | | | | | | | FID = 0.0 |
| 6 | | | | | | | | | | |
| | | 1.4' / 2' | SBP-SO-622A-0608 Full Suite, less dioxin and SPLP 1/20/04 @ 0855 | | | | 0' – 0.4' – Silty fine-medium SAND | SM | | PID = 0.0 |
| 7 | | | | | | Off-White | 0.4' – 0.8' – Mixed plastic and wood fibers | Fill | | FID = 0.0 |
| | | | | | | Clear | 0.8' – 0.9' – Decomposed plastic | | | |
| | | | | | | Black | 0.9' – 1.4' – Silty fine-medium SAND | SM | | |
| 8 | | | | EOB @ 8' bgs | | | | | Wet | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track – mounted |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous sampling in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | Water table approximately 8' bgs |
| OTHER OBSERVATIONS: | Phase II Old Flag Number 360 Former Landfill Area – parking lot by soccer field PID/FID = D 1/19/04 (C 1/20/04) |

Note: Full Suite = SVOCs, Pesticides/PCBs, metals, dioxin, SPLP metals and PCBs, asbestos, and VOCs

*Tetra Tech NUS, Inc.*

BORING NO.: 622A



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | BORING NO.: 623 |
| PROJECT NO.: | N1369 | | START DATE: 1/12/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/12/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD.' | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | NA | | | | | | Golf Course | | | | |
| | | 2' / 2' | SBP-SO-623-0002 Screening 1/12/04 @ 1515 | | Frozen | Tan | SAND, trace silt, trace organic roots. Fine-medium sand, poorly graded, seashells | SP/Fill | Grass/root plug = approximately 1" (mostly root) | 0.0 | 0.0 |
| 1 | | | | | | Light Tan | Color change only | | | | |
| | | | | | | | Similar to above, with trace fine subangular gravel | | | 3.0 | 0.0 |
| 2 | | | | | Loose | Gray | SAND, trace gravel. Fine-medium sand, poorly graded, fine gravel subrounded to ¼" | | Damp | 1.6 | 0.0 |
| | | 2' / 2' | SBP-SO-623-0204 Screening 1/12/04 @ 1325 | | | | SAND, trace silt, trace gravel. Fine-medium sand, poorly graded, coarse gravel subrounded to ¾" | | | 260 | 0.0 |
| 3 | | | | | | | | | Damp | 4.4 | 0.0 |
| | | | | | | | | | | | |
| 4 | | | | | | Black | SAND, some organics. Fine-medium sand, charred wood, reeds/roots, glass | | Damp/organic odors | 1019 | 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule (Mule) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I Flag Number 412 Former Landfill Area |

BORING NO.: 623

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 624 |
| PROJECT NO.: | N1369 | START DATE: | 1/12/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/12/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0' – 0.2' – Grass/roots | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.8' / 2' | SBP-SO-624-0002 Screening 1/12/04 @ 1535 | | Slightly Loose | Reddish Brown | 0.2' – 0.8' – Silty fine-medium SAND, geotechnical liner at 0.6' | SM | (Frozen) Geotextile at 0.6' | FID = 0.0 PID = 0.0 |
| 1 | | | | | Slightly Dense | | 0.8' – 1.6 – Silty fine-medium SAND, trace gravel | | Wet | |
| | | | | | | Red | 1.6' – 1.7' – Fine-medium SAND, trace silt | SP | Moist | |
| 2 | | | | | | Dark Red | 1.7' - 1.8' – Fine coarse SAND, trace silt | SW | | |
| | | 1.5' / 2' | SBP-SO-624-0204 Screening 1/12/04 @ 1540 | | | Yellow - Brown | 0' – 0.6' – Silty fine-medium SAND, trace wood | SM/Fill | | FID = 0.3 PID = 163.9 |
| 3 | | | | | | Dark Brown | 0.6' – 0.7' – WOOD | Fill | | |
| | | | | | | Mottled Yellow-Brown | 0.7' – 1.1' – Silty fine-medium SAND, trace cardboard | SM/Fill | | |
| 4 | | | | | | Gray Brown | 1.1' – 1.3' – Fine-medium SAND, some silt<br>1.3' – 1.5' – Fine-coarse SAND | SP<br>SW | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – track mounted (rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous to 4' in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I Flag Number 370 Former Landfill area – parking lot near clubhouse PID/FID = C |

BORING NO.: 624

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 625 |
| PROJECT NO.: | N1369 | START DATE: | 1/12/04 |
| LOGGED BY: | K. Jalkut | COMPLETION: DATE: | 1/12/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JL |
| TRANSCRIBED BY: | RAC | | |
| ELEVATION FROM: | | | |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Golf Course | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 2' / 2' | SBP-SO-625-0002 Screening 1/12/04 @ 1505 | | Frozen | Brown | SAND, some silt, trace gravel. Fine-medium sand, trace coarse sand, poorly graded, fine subangular gravel, organic roots | SM/Fill | Grass/root plug = approximately 2" (frozen) | 3.3 | 0.0 |
| 1 | | | | | Loose | Dark Brown | Silty SAND, some gravel. Fine-medium trace coarse sand, fine and coarse gravel subrounded-subangular to ½" – 1", glass, rock chips/fragments, roots | | | | |
| | | | | | | | Similar to above, with plastic piece at 1.5' | | | 86 | 0.0 |
| 2 | | | | | | | | | Damp | 24.3 | 0.0 |
| | | 1.7' / 2' | SBP-SO-625-0204 Screening 1/12/04 @ 1510 | | Dense | | | | | 1.7 | 0.0 |
| 3 | | | | | | | Silty SAND, some gravel. Fine-medium mostly, trace coarse sand, fine and coarse gravel subangular to 1", organics | | | 447 | 0.0 |
| | | | | | Loose | Yellowish | GRAVEL layer/CRUSHED STONE | Fill | | | |
| 4 | | | | | Dense | Dark Brown Black | Silty SAND, some gravel. Fine-medium sand poorly graded, fine and coarse gravel subrounded ½" – 1", glass, organic roots, wood | SM/Fill | Damp | 486 | 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 341 Former Landfill Area | BORING NO.: 625 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 | BORING NO.: | 625A |
| PROJECT NO.: | N1369 | START DATE: | 1/29/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/29/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/D. Gooley | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | No samples for analysis 0' – 2' | | | | Refer to Boring Log Number 625 for soil profile descriptions from 0' – 4' | | Using drive point to advance 0' – 4' (no macro cores) | * |
| 1 | | | | | | | | | | |
| 2 | | | | | | | | | | |
| 3 | | | No samples for analysis 2' – 4' | | | | | | | |
| 4 | | | | | | | | | | |
| 5 | | 1.5' / 2' | SBP-SO-625A-0406 Screening 1/29/04 @ 1500 | | Dense | Dark Brown | Silty SAND, some gravel. Fine-medium sand, trace coarse sand, fine to coarse subangular gravel to 1 ¼", rock fragments, glass shards | SM/Fill | Dry | FID = 0 PID = 0 |
| | | | | | Loose | Black | Similar to above with more coarse gravel, rock fragments, metal fragments (petroleum like staining) | | | FID = 469 PID = 0 |
| 6 | | | | | | | | | Appears saturated No water in borehole per driller | FID = 82 PID = 0 |
| | | | | | | | | | | FID = 47 PID = 0 |
| 7 | | 1.6' / 2' | SBP-SO-625A-0608 Screening 1/29/04 @ 1515 | | | | Similar to above with glass shards, metal debris | | Saturated at 6' | FID = 395 PID = 0 |
| | | | | | | Gray Brown | SAND, some gravel. Fine-medium sand poorly graded, fine to coarse subrounded gravel to 1" | SP-GP / Fill | | |
| 8 | | | | EOB @ 8' bgs | | | EOB @ 8" bgs – Backfill with bentonite chips (8'-1') and topsoil (1'-0') | | Less recovery – saturated<br>Driller now reports water in borehole | FID = 784 PID = 0<br>FID = 41 PID = 0 |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – LT 54 | Note: | *Tetra Tech NUS, Inc.* |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH TECHNIQUE | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous sampling in 2' intervals | Non-Raymark waste location | |
| METHOD OF ROCK CORING: | N/A | * = No readings from 0-4' – no samples collected | |
| GROUNDWATER LEVELS: | Approximately 6' bgs | | |
| OTHER OBSERVATIONS: | Phase II Flag Number 341 Former Landfill Area – golf course near parking lot | BORING NO.: 625A | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 626 |
| PROJECT NO.: | N1369 | START DATE: | 1/12/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: PP | COMPLETION: DATE: 1/12/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/Rob Ulimann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Asphalt – top 0.5' (not sampled) | | | |
| | | 1.5' / 2.0' | SBP-SO-626-0002 Screening 1/12/04 @ 1550 | | Dense | Dark Red | 0' – 0.9' – Fine-coarse SAND, trace angular-subangular gravel | SW | Moist | PID = 0.0 FID = 0.0 |
| 1 | | | | | | | | | | |
| | | | | | | Yellow-Brown | 0.9' – 1.3' – Fine-coarse SAND, some gravel, trace silt | SW | | |
| 2 | | | | | Slightly Dense | Dark Red-Brown | 1.3' – 1.5' – Fine-coarse SAND, some slag, trace silt | SW/FILL | | |
| | | 1.3' / 2.0' | SBP-SO-626-0204 Screening and Confirmation 1/12/04 @ 1555 | | | Yellow-Brown Gray | 0' – 0.1' – Fine SAND, some silt<br>0.1' – 0.2' – Fine-medium SAND | SP | | PID = 0.3 FID = 0.0 |
| 3 | | | | | | Yellow-Brown Black | 0.2' – 0.4' – Fine SAND, some silt, trace gravel<br>0.4' – 0.8' – Fine-coarse SAND and asphalt pieces | SW/FILL | Petroleum odor | |
| | | | | | | Yellow-Brown Black | 0.8'- 0.9' – Fine SAND, some silt<br>0.9' – 1.5' – Fine-medium SAND, some gummy substance similar to caulking | SP SP/FILL | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 359 Former Landfill Area Parking Lot by Clubhouse FID/PID = C | BORING NO.: 626 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 627 |
| PROJECT NO.: | N1369 | START DATE: | 1/12/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/12/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Golf Course | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 2' / 2' | SBP-SO-627-0002 Screening 1/12/04 @ 1520 | | Frozen | Red - Brown | Silty SAND, trace gravel. Fine-medium sand, trace coarse sand, poorly graded, fine gravel subangular ¼" – ½", rock chips, long roots | SM/Fill | Grass/root plug = approximately 2.5" (frozen) Sand = possible pulverized rock | 0.0 | 0.0 |
| 1 | | | | | | White | GRAVEL, some sand. Fine and coarse gravel angular – subangular ½" – 1", fine-medium sand, trace coarse sand, glass, tile | GP/ Fill | | 0.0 | 0.0 |
| | | | | | Loose | Red/Brown | FILL, red plastic, mixed with fine-medium sand | SP/Fill | Mostly plastic pieces | | |
| | | | | | | Brown | Silty SAND, some gravel. Fine-medium sand, poorly graded, gravel subrounded ½" – 1 ¼", glass | SM/Fill | | | |
| 2 | | | | | Dense | Black | Similar to above, with WOOD waste | | Damp | 18 | 0.0 |
| | | 1.7' / 2' | SBP-SO-627-0204 Screening 1/12/04 @ 1525 | | | Black - Brown | Similar to above, with plastic, glass, and wood waste | | | 114 | 0.0 |
| 3 | | | | | | | | | Organic odor | | |
| | | | | | | Gray | SAND, some gravel. Fine sand, trace medium sand, poorly graded, coarse gravel subrounded to 1" | SP/Fill | | | |
| 4 | | | | | | | Silty SAND, trace gravel. Fine-medium sand, trace coarse sand, poorly graded, fine gravel subrounded to ½", metal fillings, wood waste | SM/Fill | Damp | 148 | 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule (Mule) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I Flag Number 342 Former Landfill Area |

BORING NO.: 627

Tetra Tech NUS, Inc.



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 628 |
| PROJECT NO.: | N1369 | START DATE: | 1/12/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: PP | COMPLETION: DATE: 1/12/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | NA | | | | | | 0' – 0.2' – grass/roots/topsoil | | | |
| | | 1.4' / 2.0' | SBP-S0-628-0002 Screening 1/12/04 @ 1610 | | Slightly Loose | Red Brown | 0.2' – 1.0' – Silty fine-medium SAND | SM | Geotextile Moist | PID = 0.0 FID = 120.3 |
| 1 | | | | | Slightly Dense | Black | 1.0' – 1.1' – SLAG and fine-medium SAND | SP/FILL | | |
| | | | | | Slightly Loose | Tan | 1.1' – 1.4' – Fine-medium SAND | SP | | |
| 2 | | | | | | | | | | |
| | | 1.5' / 2.0' | SBP-SO-628-0204 Screening 1/12/04 @ 1615 | | | Tan | 0' – 0.3' – Fine sandy SILT, some pieces of plywood | ML/FILL | Sweet Solvent Odor | PID = 192 FID = 95.6 |
| 3 | | | | | Slightly Loose | Black/Tan | 0.3' – 0.7' – Mixed debris-metal, tiles, wood, glass, cardboard, some fine-coarse SAND | FILL | | |
| | | | | | Loose | Tan | 0.7' – 0.9' – Fine-coarse SAND, some gravel | SW | | |
| | | | | | Slightly Loose | Brown | 0.9' – 1.4' – Silty fine-coarse SAND | SM | | |
| 4 | | | | | | | 1.4' – 1.5' – Fine-coarse SAND | SW | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I Flag Number 353 Former Landfill Area - parking lot next to golf clubhouse FID/PID = C BORING NO.: 628 |

Tetra Tech NUS, Inc.



TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 629 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/12/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: | RAC | COMPLETION: DATE: | 1/12/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD./ | CLR | MATERIAL CLASSIFICATION Golf Course | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.3' / 2' | SBP-SO-629-0002 Screening 1/12/04 @ 1535 | | Frozen | Tan – Gray | SAND. Fine-medium sand, poorly graded, seashells | SP/Fill | Grass/root plug = approximately 3" (frozen) | 0.0 | 0.0 |
| 1 | | | | | Loose | | | | Damp | | |
| | | | | | Dense | Dark Brown | Silty SAND, some gravel. Fine-medium sand, poorly graded, coarse gravel subangular to 1", seashell fragments | SM/Fill | Less recovery | 0.0 | 0.0 |
| 2 | | | | | | | | | | | |
| | | 1.6' / 2' | SBP-SO-629-0204 Screening and Confirmation 1/12/04 @ 1540 | | Loose | Red | BRICK LAYER, broken red brick (2") | Fill | Damp | 0.0 | 0.0 |
| 3 | | | | | | Dark Brown | Silty SAND, some gravel. Fine-medium sand, trace coarse sand, poorly graded, fine and coarse gravel subrounded to 1", clinkers | SM/Fill | | 0.0 | 0.0 |
| | | | | | | | | | Damp | | |
| 4 | | | | | | Gray | SAND, some gravel. Fine-medium sand, trace coarse sand, poorly graded, fine and coarse gravel subrounded ½" – 1", seashells | SP/Fill | | | |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule (Mule) | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 386 Former Landfill Area | BORING NO.: 629 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | BORING NO.: 630 |
| PROJECT NO.: | N1369 | | START DATE: 1/12/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: PP | COMPLETION: DATE: 1/12/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/Rob Ullmann | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Top 0.4' – Asphalt-not sampled | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.1' / 2.0' | SBP-SO-630-0002 Screening 1/12/04 @ 1630 | | Dense | Dark Red | Fine-coarse SAND, trace gravel (subrounded to subangular) | SW | Moist | PID = 0.0 FID = 0.0 |
| 1 | | | | | | | | | | |
| 2 | | | | | | | | | | |
| | | 1.4' / 2.0' | SBP-SO-630-0204 Screening 1/12/04 @ 1635 | | Slightly Dense | Black Brown | 0' – 0.2' – Silty fine SAND 0.2' – 0.4' – Wood (solid ) | SM Fill | | PID = 4.3 FID = 38.0 |
| 3 | | | | | | Gray | 0.4' – 1.0' – Fine medium SAND | SP | | |
| | | | | | | Dark Gray Gray | 1.0' – 1.2' – Fine-medium SAND 1.2' – 1.3' – Fine-medium SAND | | | |
| 4 | | | | | | Black | 1.3' – 1.4' – Silty fine SAND | SM | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 358 Former Landfill Area - parking lot FID/PID = C | BORING NO.: 630 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 631 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/12/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: | RAC | COMPLETION: DATE: | 1/12/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Golf Course | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] FID | PID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.9' / 2' | SBP-SO-631-0002 Screening 1/12/04 @ 1550 | | Dense | Red Brown | SAND, some silt, trace gravel. Fine-medium sand, trace coarse sand, rock fragments, organic roots, coarse gravel subangular to 1 ½" | SM/Fill | Grass/root plug = approximately 2" (frozen) | 0.0 | 0.0 |
| 1 | | | | | Denser | | Silty SAND. Fine-medium sand, poorly graded, trace coarse sand | | | | |
| | | | | | | | | | Damp | 0.0 | 0.0 |
| 2 | | | | | Loose | Yellow Brown | Silty SAND, trace gravel. Fine-medium sand, trace coarse sand, poorly graded, fine gravel subrounded to ½" | | | 0.0 | 0.0 |
| | | 1.6' / 2' | SBP-SO-631-0204 Screening 1/12/04 @ 1600 | | Dense | Red – Brown | Silty SAND, some gravel. Fine-medium sand, trace coarse sand, poorly graded, fine and coarse gravel subrounded to 1" | | Alternating layers of fine sand (gray) | 0.0 | 0.0 |
| 3 | | | | | | | | | | | |
| | | | | | | Gray | GRAVEL, some silty sand. Fine and coarse gravel subrounded ½" – 1 ¼", fine-medium sand, trace coarse sand, poorly graded | GP/Fill | | 0.0 | 0.0 |
| 4 | | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule (Mule) | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 335 Former Landfill Area | BORING NO.: 631 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 632 |
| PROJECT NO.: | N1369 | START DATE: | 1/13/04 |
| LOGGED BY: | J. Lambert | COMPLETION: DATE: | 1/13/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JD |
| TRANSCRIBED BY: | PP | | |
| ELEVATION FROM: | | | |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | NA | | | | | | 0.' – 0.2' – Grass/Roots | | | |
| | | 1.5' / 2.0' | SBP-SO-632-0002 Screening 1/13/04 @ 0930 | | Slightly Loose | Brown | 0.2' – 1.1' – Fine-coarse SAND some rounded-subrounded gravel, trace fines | SW | (Frozen) top 0.5' | PID = 0.0 FID = 0.0 |
| 1 | | | | | | | | | Moist | |
| | | | | | | Light Brown | 1.1' – 1.5' – Fine-medium SAND, trace coarse sand and fine gravel (subrounded) | | | |
| 2 | | | | | | | | | | |
| | | 1.3' / 2.0' | SBP-SO-632-0204 Screening 1/13/04 @ 0935 | | | | 0' - 0.8' – Silty-fine SAND, some coarse sand, trace gravel (subrounded to subangular) | SM | | PID = 0.0 FID = 0.0 |
| 3 | | | | | Slightly Dense | Dark Gray | 0.8' – 1.3' – Fine-coarse SAND, some subrounded gravel | SW | | |
| | | | | | | | | | Wet | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I Flag Number 668 Former Landfill Area – Road parallel to Short Beach FID/PID = B BORING NO.: 632 |

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 633 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/13/04 |
| LOGGED BY: | K.Jalkut/ D. McGrath | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 1/13/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ S. Pryzbylski | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.2' / 2.0' | SBP-SO-633-0002 Screening 1/13/04 @ 0940 | | Loose | Dark Brown | SAND, some silt, trace gravel, fine-medium sand, fine subrounded gravel, 0.5" organics at end of liner | SP/Fill | Grass/root plug = 4" | PID=0.0 FID=0.0 |
| 1 | | | | | | | | | | |
| 2 | | | | | | | | | | |
| | | 1.6' / 2.0' | SBP-SO-633-0204 Screening 1/13/04 @ 0945 | | Medium Dense | Medium Brown | SAND, some silt, organics, rock fragments/shattered rock, coarse gravel, fine sand | | | |
| 3 | | | | | | | | | | PID=0.0 FID=87.2 |
| | | | | | | | | | | PID=0.0 FID=0.0 |
| 4 | | | | | | | SAND, trace silt, trace gravel, fine-medium sand, fine subangular gravel | | | PID=0.0 FID=104.1 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with bentonite chips (4'-1') plus topsoil (1'-0') | | | |

| | | | | | |
|---|---|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4x4 mule | | | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | | | |
| METHOD OF ROCK CORING: | N/A | | | | |
| GROUNDWATER LEVELS: | | | | | |
| OTHER OBSERVATIONS: | Phase I FID= PID= | Flag number 666 | Former Landfill area – golf course | BORING NO.: 633 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 634 |
| PROJECT NO.: | N1369 | START DATE: | 1/13/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: PP | COMPLETION: DATE: 1/13/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Top 0.5' – Asphalt-Not sampled | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.6' / 2.0' | SBP-SO-634-0002 Screening 1/13/04 @ 1000 | | Slightly Loose | Brown | 0' – 0.5' – Fine-coarse SAND some gravel | SW | Moist | PID = 0.0 PID = 0.0 |
| 1 | | | | | | | 0.5' – 0.8' – Fine-medium SAND, trace coarse sand, some silt | SP | | |
| | | | | | | White Brown | 0.8' – 1.0' – Concrete fragment, pulverized 1.0' – 1.2' – Fine-coarse SAND | Fill SW | (Hard drilling probably due to concrete) | |
| 2 | | | | | | Black | 1.2' – 1.4' – Fine-coarse SAND, stained | | | |
| | | 1.6' / 2.0' | SBP-SO-634-0204 Screening and Confirmation 1/13/04 @ 1005 | | Slightly Dense | Dark Brown | 0' – 0.4' – Silty fine-medium SAND, trace gravel 0.4' – 0.6' – Silty fine SAND, trace coarse sand | SM | | PID = 0.0 FID - 485 |
| 3 | | | | | | | 0.6' – 0.9' – Fine-medium SAND, trace silt | SP | Wet | |
| | | | DUP 17 1/13/04 @ 1010 | | | Gray | 0.9' – 1.5' – Fine-medium SAND, trace gravel | | | |
| 4 | | | | | | Light Tan | 1.5' – 1.6' – Silty fine-medium SAND, plastic (clear) in nose | SM/FILL | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I Flag Number 671 Former Landfill Area – Road parallel to Short Beach FID/PID = B BORING NO.: 634 |

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 635 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/ 13 /04 |
| LOGGED BY: | D. McGrath | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 1/13 /04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ S. Pryzbylski | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.7' / 2.0' | SBP-SO-635-0002 Screening 1/13/04 @ 0950 | | Loose | Medium Brown | SAND, trace fine gravel (0.25") subrounded, organics | SP | Grass plug= 4" | PID=0.0 FID=0.0 |
| 1 | | | | | | | | | | |
| | | | | | Dense | | Silty SAND, some broken rock, seashells | SM | | |
| 2 | | | | | | | | | | |
| | | 1.5' / 2.0' | SBP-SO-635-0204 Screening 1/13/04 @ 0955 | | Loose | Red-Brown | SAND, some silt, trace fine gravel 0.25" subrounded, fine sand | | | PID=0.0 FID=0.0 |
| 3 | | | | | | | | | | |
| | | | | | | | SAND, fine-coarse well graded, trace gravel | SW | Damp | |
| 4 | | | | | | Gray | Fine SAND (poorly graded) | SP | Wet | |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | |

| | | | | |
|---|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4x4 mule | | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | | |
| METHOD OF ROCK CORING: | N/A | | | |
| GROUNDWATER LEVELS: | | | | |
| OTHER OBSERVATIONS: | Phase I | Flag number 667 | Former Landfill area | BORING NO.: 635 |



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 636 |
| PROJECT NO.: | N1369 | START DATE: | 1/13/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: PP | COMPLETION: DATE: 1/13/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Asphalt – Top 0.5' – Not Sampled | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.3' / 2.0' | SPB-SO-636-0002 Screening 1/13/04 @ 1025 | | Slightly Dense | Orange - Brown | 0' – 0.4' – Fine-medium SAND, trace coarse sand | SW | Moist | PID = 0.0 FID = 0.0 |
| 1 | | | | | | Black | 0.4' – 0.6' – Fine-coarse SAND, some gravel | | | |
| | | | | | | Orange - Brown | 0.6' – 0.7' – Gravelly fine-coarse SAND, some silt | SM | | |
| 2 | | | | | | Brown | 0.7' – 1.3' – Silty fine-coarse SAND, some gravel (subangular-subrounded) | | | |
| | | 1.5' / 2.0' | SPB-SO-636-0204 1/13/04 @ 1030 Screening Dup. 18 1/13/04 @ 1035 | | | Dark Brown | 0.0' – 0.9' – Silty fine SAND, trace rounded gravel | | Wet | PID = 0.0 FID = 344 |
| 3 | | | | | | Dark Gray | 0.9' – 1.1' – Fine-medium SAND | SP | | |
| | | | | | | White | 1.1' – 1.2' – GRAVEL fragments | GP | | |
| 4 | | | | | | Gray | 1.2' – 1.5' – Fine-medium SAND | SP | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | Water table approximately 2' bgs |
| OTHER OBSERVATIONS: | Phase I Flag Number 672 Former Landfill Area - Road parallel to Short Beach FID/PID = B BORING NO.: 636 |

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 637 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/13/04 |
| LOGGED BY: | D. McGrath | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 1/13/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ S. Pryzbylski | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.8' / 2.0' | SBP-SO-637-0002 Screening and Confirmation 1/13/04 @ 1005 | | Frozen | Red-Brown | Silty SAND (fine-coarse), trace gravel (0.25") subrounded, organics | SP/SM | Root plug = 4" Frozen | PID=0.0 FID=0.0 |
| 1 | | | | | | | | | | |
| | | | | | Loose | | SAND (medium-coarse) seashells, broken rock | SP | | |
| 2 | | | | | | | | | | |
| | | 1.8' / 2.0' | SBP-SO-637-0204 Screening 1/13/04 @ 1010 | | Dense | Brown to Gray | Silty SAND with gravel, fine-coarse sand, fine-coarse gravel 0.25", rock fragments | SM | Damp | PID=0.0 FID=0.0 |
| 3 | | | | | | | | | | |
| | | | | | | | | | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with bentonite chips (4'-1') plus topsoil (1"-0') | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4x4 mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag number 669 Former Landfill area | BORING NO.: 637 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 638 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/13/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | PP | COMPLETION: DATE: | 1/13/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/Rob Ullmann | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JD |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Asphalt – Top 0.5' (not sampled) | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.5' / 2.0' | SBP-SO-638-0002 Screening 1/13/04 @ 1050 | | | Brown | 0' – 0.4' – Fine-coarse SAND, trace gravel | SW | Moist | PID = 0.0 FID = 0.0 |
| 1 | | | | | | Gray - Brown | 0.4' – 0.6' – GRAVEL, some fine-coarse sand, (road bed) | GW | | |
| | | | | | | Brown | 0.6' – 1.5' – Fine-coarse SAND, some gravel, trace silt | SW | | |
| 2 | | | | | | | | | | |
| | | 0.9' / 2.0' | SBP-SO-638-0204 Screening 1/13/04 @ 1055 | | | Light Brown | 0.0' – 0.1' – Similar to above<br>0.1' – 0.3' – Fine-coarse SAND, some gravel | | | PID = 0.0 FID = 348.0 |
| 3 | | | | | | Light Gray | 0.3' – 0.7' – Fine-medium SAND | SP | | |
| | | | | | | Gray | 0.7' – 0.9' - Fine SAND | | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 673 Former Landfill Area - Road parallel to Short Beach FID/PID = B | BORING NO.: 638 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 639 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/14/04 |
| LOGGED BY: | D. McGrath | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 1/14/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ S. Pryzbylski | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 2.0' / 2.0' | SBP-SO-639-0002 Screening 1/14/04 @ 1015 | | Loose | Brown | SAND, trace silt, trace fine-coarse subrounded gravel, fine-medium sand, seashells, rock fragments | SP | Root ball = 3" | PID=0.0 FID=0.0 |
| 1 | | | | | | | | | | |
| | | | | | | | Silty SAND, broken rock | SM | Damp | |
| 2 | | | | | Dense | | Silty SAND, fine-coarse gravel, fine-medium sand, organics | | | |
| | | 1.5' / 2.0' | SBP-SO-639-0204 Screening 1/14/04 @ 1020 | | | | | | | |
| 3 | | | | | | | | | | |
| | | | | | Loose | Brown/ Gray | Fine-coarse SAND, trace coarse gravel | SW | Wet (fines) | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with bentonite chips (4'-1') plus topsoil (1'-0') | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4x4 mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag number 670 Former Landfill area | BORING NO.: 639 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 640 |
| PROJECT NO.: | N1369 | START DATE: | 1/13/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: PP | COMPLETION: DATE: 1/13/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Top 0.5' Asphalt ( Not Sampled) | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.4' / 2.0' | SBP-SO-640-0002 Screening 1/13/04 @ 1120 | | Slightly Loose | Brown Light Tan | 0.0' – 0.2' – Fine-coarse SAND, trace silt<br>0.2' – 0.3' – Concrete, pulverized | SW<br>Fill | Moist | PID = 0.0<br>FID = 2.2 |
| 1 | | | | | | Black<br>Brown | 0.3' – 0.4' – Asphalt (partially pulverized)<br>0.4' – 1.4' – Fine-coarse SAND, trace silt | SW | Petroleum Odor | |
| 2 | | | | | | | | | | |
| | | 1.8' / 2.0' | SBP-SO-640-0204 Screening 1/13/04 @ 1125 | | | Orange | 0.0' – 0.1' – Similar to above<br>0.1' – 0.2' – Fine-coarse SAND | | | PID = 0.0<br>FID = 52.3 |
| 3 | | | | | | Tan<br>Black | 0.2' – 0.4' – Fine-medium SAND<br>0.4' – 0.5' – Fine-coarse SAND, possibly stained | SP<br>SW | | |
| | | | | | | Brown | 0.5' – 1.6' – Silty-fine SAND, coarse gravel piece at 1.1' | SM | Wet | |
| 4 | | | | | | | 1.6' – 1.8' – Fine-medium SAND, trace rounded gravel | SP | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Water table approximately 3' bgs | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 693 Former Landfill Area - Road parallel to Short Beach FID/PID = B | BORING NO.: 640 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | BORING NO.: 641 |
| PROJECT NO.: | N1369 | | START DATE: 1/13/04 |
| LOGGED BY: | D. McGrath | TRANSCRIBED BY: DH | COMPLETION: DATE: 1/13/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ S. Pryzbylski | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 2.0' / 2.0' | SBP-SO-641-0002 Screening 1/13/04 @ 1100 | | Frozen | Red-Brown | Silty SAND (fine-coarse), trace fine gravel 0.25" subangular, rock fragments, glass | SM/Fill | Root plug= 3" | PID=0.0 FID=0.0 |
| 1 | | | | | | | | | Frozen | |
| | | | | | | | | | | |
| 2 | | | | | Loose | Brown/ Black | Similar to above, with glass, wood debris, cellulose | | | |
| | | 1.8' / 2.0' | SBP-SO-641-0204 Screening 1/13/04 @ 1105 | | | | Similar to above, no cellulose | | Organic odors | |
| 3 | | | | | | Black | Silty SAND, trace fine subangular gravel, burnt wood debris, glass, tile, seashells | | Damp | PID=0.0 FID=77.1 |
| | | | | | | | | | | |
| 4 | | | | | | | | | | PID=0.0 FID=93.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with bentonite chips (4'-1') plus topsoil | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4x4 mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag number 392 Former Landfill area | BORING NO.: 641 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 642 |
| PROJECT NO.: | N1369 | START DATE: | 1/13/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: PP | COMPLETION: DATE: 1/13/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.6' / 2.0' | SBP-SO-642-0002 Screening 1/13/04 @ 1140 | | Slightly Loose | Dark Brown | Fine-coarse SAND, trace fine gravel (subrounded-subangular), trace silt | SW | Moist | PID = 0.0 FID = 1.2 |
| 1 | | | | | | | | | | |
| 2 | | | | | | | | | | |
| | | 1.9' / 2.0' | SBP-SO-642-0204 Screening 1/13/04 @ 1145 | | | White | 0.0' – 0.2' – Similar material to above<br>0.2' – 0.3' - CONCRETE | Fill | | PID = 0.0 FID = 148.2 |
| 3 | | | | | | Yellow<br>Black | 0.3' – 0.4' – Fine-coarse SAND<br>0.4' – 0.5 – Fine-medium granular SAND | SW<br>SP | | |
| | | | | | Slightly Dense | Brown | 0.5' – 1.4' – Fine-sandy SILT, some angular-subangular gravel | ML | | |
| 4 | | | | | Slightly Loose | Gray | 1.4' – 1.6' – Medium SAND, trace coarse sand<br>1.6' – 1.9' – Fine SAND | SP | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I Flag Number 691 Former Landfill Area - Road parallel to Short Beach FID/PID = B |

BORING NO.: 642

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 643 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/13/04 |
| LOGGED BY: | K. Jalkut/D. McGrath | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 1/13/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ S. Pryzbylski | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 2.0' / 2.0' | SBP-SO-649-0002 Screening 1/13/04 @ 1110 | | Loose | Light Brown | Silty SAND, trace fine subangular gravel, shells | SM | Root plug at 3" | FID=0.0 PID=0.0 |
| 1 | | | | | | Yellow | | | | |
| | | | | | | Brown | SAND, trace Silt, fine sand, seashells, organics | SP | Dry | |
| 2 | | | | | | Medium Brown | Silty SAND (fine-medium), trace fine-coarse subangular gravel | SM | | |
| | | 1.7' / 2.0' | SBP-SO-643-0204 Screening 1/13/04 @ 1115 | | | Gray-Brown | SAND (fine-medium, trace coarse), trace fine subrounded gravel | SW | Black residue on Gloves (2") | FID=0.0 PID=0.0 |
| 3 | | | | | | | | | | |
| | | | | | | Yellow-Brown | SAND (fine-medium) trace fine subrounded to subangular gravel | | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs- Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4x4 mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag number 347 Former Landfill area | BORING NO.: 643 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 643A |
| PROJECT NO.: | N1369 | | | START DATE: | 2/3/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 2/3/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | No Samples collected from 0' - 4' bgs | | | | Refer to Boring Log Number 643 for soil profile details from 0-4' | | | |
| 1 | | | | | | | | | | |
| 2 | | | | | | | | | | |
| 3 | | | | | | | | | | |
| 4 | | | | | | | | | | |
| | | 1.8' / 2.0' | SBP-SO-643A-0406 Screening 2/3/04 @ 1345 | | Slightly Loose | Light Brown | 0' - 0.5' - Fine-coarse SAND | SW | Moist | PID=0.0 |
| 5 | | | | | | Tan | 0.5' - 0.9' - Fine-coarse SAND (color change only) | | | FID=0.0 |
| | | | | | | | 0.9' - 1.0' - Fine SAND | SP | | |
| 6 | | | | | | | 1.0' - 1.8' - Fine-coarse SAND | SW | | |
| | | 0.9' / 2.0' | SBP-SO-643A-0608 Screening 2/3/04 @ 1355 | | | Dark Brown | Fine-coarse SAND, bottle top, ceramic tiles, some wood fragments | SW/Fill | Wet | PID=0.0 |
| 7 | | | | | | | | | | FID=0.0 |
| 8 | | | | EOB @ 8'bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | Note: Phase II Screening = Asbestos and Metals | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Approximately 7.5' bgs | | |
| OTHER OBSERVATIONS: | Phase II FID= D PID= D Old Flag number 342 Former Landfill area – golf course | BORING NO.: 643A | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 644 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/13/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | PP | COMPLETION: DATE: | 1/13/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/Rob Ullmann | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JD |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.4' / 2.0' | SBP-SO-644-0002 Screening 1/13/04 @ 1230 | | Slightly Loose | Brown | Fine-coarse SAND, some gravel (angular-subangular), trace silt | SW | Moist | PID = 0.0 FID = 0.0 |
| 1 | | | | | | | | | | |
| 2 | | | | | | | | | | |
| | | 1.8' / 2.0' | SBP-SO-644-0204 Screening and Confirmation 1/13/04 @ 1235 | | Slightly Dense | Dark Brown | 0.0' – 0.5' – Fine-coarse SAND, some silt, trace asphalt | SW/Fill | Petroleum Odor | PID = 0.0 FID = 11.7 |
| 3 | | | | | | Black | 0.5' – 0.7' – Degraded asphalt pieces | Fill | | |
| | | | | | | Brown | 0.7' – 1.7' – Silty fine SAND, trace coarse sand | SM | | |
| 4 | | | | | | | 1.7' – 1.8' – Fine-coarse SAND, some gravel | SW | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I Flag Number 711 Former Landfill Area - Road parallel to Short Beach FID/PID = B BORING NO.: 644 |

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 645 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/13/04 |
| LOGGED BY: | D. McGrath | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 1/13/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ S. Pryzbylski | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 2.0' | SBP-SO-645-0002 Screening 1/13/04 @ 1140 | | Loose | Red-Brown | Fine-coarse SAND with silt, organics | SM/Fill | Root plug 3" | PID=0.0 FID=0.0 |
| 1 | | | | | | | | | Frozen | |
| | | | | | | | Fine-medium SAND with trace silt, trace fine gravel | SP/Fill | | |
| 2 | | | | | | Brown | Broken rock, glass | Fill | | |
| | | 1.9' / 2.0' | SBP-SO-645-0204 Screening and Confirmation 1/13/04 @ 1145 | | | Yellow Brown | SAND, trace silt (fine-medium sand) broken rocks, trace fine subrounded gravel | SP/Fill | | |
| 3 | | | | | | | Fine-medium SAND, trace coarse sand | SW/Fill | | PID=0.0 FID=1228 |
| | | | Confirmation DUP -16 @ 1150 | | | | | | | |
| 4 | | | | | Loose | Gray | FILL -Degraded pasty material (possible caulk) glass | Fill | | PID=0.0 FID=167 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with bentonite chips (4'-1') plus topsoil (1'-0) | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4x4 mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag number 343 Former Landfill area | BORING NO.: 645 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | BORING NO.: 646 |
| PROJECT NO.: | N1369 | | START DATE: 1/13/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: PP | COMPLETION: DATE: 1/13/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/Rob Ullmann | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | NA | | | | | | Top 0.5' – Asphalt (Removed) | | | |
| | | 1.3' / 2.0' | SBP-SO-646-0002 Screening 1/13/04 @ 1445 | | Slightly Loose | Dark Brown | 0.0' – 0.7' – Fine-coarse SAND, some gravel, trace silt | SW | Moist | PID = 0.0 FID = 0.0 |
| 1 | | | | | | | | | | |
| | | | | | | | 0.7' – 1.3' – Medium-coarse SAND | SP | Wet | |
| 2 | | | | | | | | | | |
| | | 1.5' / 2.0' | SBP-SO-646-0204 Screening 1/13/04 @ 1450 | | Slightly Dense | Black | 0.0' – 0.3' – Similar material to above<br>0.3' – 0.5' – Deteriorated asphalt material | Fill | Slight Petroleum Odor | PID = 0.0 FID = 0.0 |
| 3 | | | | | | Tan Brown | 0.5' – 0.7' – Silty fine SAND, trace gravel<br>0.7' – 1.0' – Fine-coarse SAND, some silt | SM SW | | |
| | | | | | Slightly Loose | | 1.0' – 1.5' – Fine-medium SAND, trace gravel | SP | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Water table approximately 1' bgs | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 710 Former landfill area - Road parallel to Short Beach FID/PID = B | BORING NO.: 646 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 647 |
| PROJECT NO.: | N1369 | START DATE: | 1/13/04 |
| LOGGED BY: | K. Jalkut/ D. McGrath | TRANSCRIBED BY: DH | COMPLETION: DATE: 1/13/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ S. Pryzbylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.2' / 2.0' | SBP-SO-647-0002 Screening 1/13/04 @ 1155 | | Loose | Red/ Brown | Silty SAND, trace fine gravel, subangular, organics, broken rock | SM | Root plug at 5" | PID=0.0 FID=0.0 |
| 1 | | | | | | | | | | |
| | | | | | | Yellow/ Brown | Fine SAND, trace silt, trace fine gravel (subangular) broken rock | SP | Dry | |
| 2 | | | | | | | | | | |
| | | 1.3' / 2.0' | SBP-SO-647-0204 Screening 1/13/04 @ 1200 | | | | Similar to above | | | PID=0.0 FID=0.0 |
| 3 | | | | | | Brown | Broken Rock | GP | | |
| | | | | | | | Fine SAND, trace silt, trace fine gravel, tile, coal | SP/Fill | Dry | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4x4 mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag number 324 Former Landfill area | BORING NO.: 647 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 647A |
| PROJECT NO.: | N1369 | START DATE: | 2/3/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 2/3/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | No Samples collected from 0' - 4' bgs | | | | Refer to Boring Log Number 647 for soil profile details from 0-4' | | | |
| 4 | | | | | | | | | | |
| | | 1.2 / 2.0' | SBP-SO-647A-0406 Screening and confirmation 2/3/04 @ 0945 | | Slightly Dense | Brown | 0' - 0.4' - Silty fine SAND, trace coarse sand | SM | Moist | PID=0.0 FID=0.0 |
| 5 | | | | | Slightly Loose | Gray | 0.4' - 0.8' - Fine-medium SAND, trace shells | SP | | |
| | | | | | | Brown | 0.8' - 1.2' - Fine-coarse SAND, some subangular gravel, trace glass | SW/Fill | | |
| 6 | | | | | | | | | | |
| | | 1.5' / 2.0' | SBP-SO-647A-0608 Screening 2/3/04 @ 0955 | | | Gray | 0' - 0.1' - Fine-medium SAND, trace subrounded medium GRAVEL<br>0.1' - 0.3' - Fine-medium SAND, some glass | SP<br>SP/Fill | | PID=0.0 FID=4.6 |
| 7 | | | | | | Dark Brown | 0.3' - 1.0' - Fine-coarse SAND, some silt, trace glass | SW/Fill | | |
| | | | | | Slightly Dense | Yellow-Brown | 1.0' - 1.1' - Wood fragments | Fill | | |
| 8 | | | | | Slightly Loose | Dark Brown | 1.1' - 1.5' - Fine-coarse SAND, some silt, some glass | SW/Fill | | |
| | | 1.2' / 2.0' | SBP-SO-647A-0810 Screening 2/3/04 @ 1005 | | | | 0' - 0.3' - Fine-medium SAND and WOOD fragments | SP/Fill | | PID=0.0 FID=88.5 |
| 9 | | | | | | | 0.3' - 1.0' - Fine-coarse SAND, trace metal fragments, trace glass | SW/Fill | | |
| | | | | | | Light Brown | 1.0' - 1.2' - WOOD | Fill | | |
| 10 | | | | | | | | | | |
| | | 0.8' / 2.0' | SBP-SO-647A-1012 Screening 2/3/04 @ 1030 | | | Brown | Silty fine-medium SAND, trace brick fragments | SM/Fill | Wet | PID=0.0 FID=0.0 |
| 12 | | | | EOB @ 12' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | Note: Phase II Screening = Asbestos and Metal | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | 10' | | |
| OTHER OBSERVATIONS: | Phase II FID= D / PID= D Old Flag number 324 Former Landfill area – golf course | BORING NO.: 647A | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 648 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/13/04 |
| LOGGED BY: | D. McGrath | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 1/13/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ S. Pryzbylski | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.1' / 2.0' | SBP-SO-648-0002 Screening 1/13/04 @ 1240 | | Loose | Light Brown | SAND, trace silt, trace fine gravel subrounded and subangular | SW | 3" root plug | PID=0.0 FID=0.0 |
| 1 | | | | | | | | | | |
| | | | | | | | | | Dry | |
| 2 | | | | | | | | | | |
| | | 1.1' / 2.0' | SBP-SO-648-0204 Screening 1/13/04 @ 1245 | | | | Similar to above, some gravel | | | |
| 3 | | | | | | | | | | |
| | | | | | | | | | Wet | |
| 4 | | | | | | Red/Brown | Burned Wood waste at bottom | Fill | | |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with bentonite chips (4'-1') and topsoil (1'-0) | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4x4 mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag number 393 Former Landfill area | BORING NO.: 648 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 649 |
| PROJECT NO.: | N1369 | START DATE: | 1/13/04 |
| LOGGED BY: | D. McGrath | TRANSCRIBED BY: DH | COMPLETION: DATE: 1/1/3/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ S. Pryzbylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 2.0' / 2.0' | SBP-SO-649-0002 Screening 1/13/04 @ 1250 | | Loose | Medium Brown | SAND, trace silt, some gravel - fine-medium sand, fine-coarse angular and subrounded gravel, glass and metal pieces at bottom | SP/Fill | 4" root plug | PID=0.0 FID=0.0 |
| 1 | | | | | | | | | | |
| | | | | | | | | | | |
| 2 | | | | | | | | | | |
| | | 1.6' / 2.0' | SBP-SO-649-0204 Screening 1/13/04 @ 1255 | | | | | | | |
| 3 | | | | | | Red/Brown | Silty SAND, trace fine-coarse subangular and subrounded gravel, broken rock | SM/Fill | Damp | |
| | | | | | | | | | | |
| 4 | | | | | | | | | Wet/saturated | |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with bentonite chips (4'-1') and topsoil (1'-0) | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| | | | | |
|---|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4x4 mule | | | *Tetra Tech NUS, Inc.* |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | | |
| METHOD OF ROCK CORING: | N/A | | | |
| GROUNDWATER LEVELS: | | | | |
| OTHER OBSERVATIONS: | Phase I Flag number 349 | Former Landfill area | BORING NO.: 649 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 650 |
| PROJECT NO.: | N1369 | START DATE: | 1/13/04 |
| LOGGED BY: | J. Lambert | COMPLETION: DATE: | 1/13/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JD |

TRANSCRIBED BY: PP

ELEVATION FROM:

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0' – 0.3' – Grass/roots (frozen) | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.5' / 2.0' | SBP-SO-650-0002 Screening 1/13/04 @ 1445 | | Loose | Brown | 0' – 1.2' – Medium SAND, trace coarse sand, trace organics (roots) | SP | Moist | PID = 0.0 FID = 0.0 |
| 1 | | | | | | | | | | |
| | | | | | | | | | | |
| 2 | | | | | | Black | 1.2' – 1.5' – Asphalt pieces | Fill | | |
| | | 1.8' / 2.0' | SBP-SO-650-0204 Screening 1/13/04 @ 1450 | | | Brown | 0' – 1.3' – Medium-coarse SAND, trace shell fragments | SP | | PID = 0.0 FID = 0.0 |
| 3 | | | | | | | | | | |
| | | | | | | Dark Brown | 1.3' – 1.8' – Mixed fine-coarse SAND and asphalt fragments | SW/Fill | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) | | *Tetra Tech NUS, Inc.* |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 709 Former landfill area - road parallel to Short Beach FID/PID = B | BORING NO.: 650 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 651 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/13/04 |
| LOGGED BY: | K. Jalkut/D. McGrath | TRANSCRIBED BY: | LAH | COMPLETION: DATE: | 1/13/04 |
| DRILLED BY (Company/Driller): | ADT/S. Przybylski | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 2' / 2' | SBP-SO-651-0002 Screening 1/13/04 @ 1500 | | Frozen | Red-brown | SAND (fine-medium), trace silt, asphalt, organics | SP | Root ball = 3" | FID = 0.0 PID = 0.0 |
| 1 | | | | | | | | | | |
| | | | | | | | Broken rock | GP | | |
| 2 | | | | | | | | | | |
| | | 2' / 2' | SBP-SO-651-0204 Screening 1/13/04 @ 1505 | | Loose | Brown | SAND- (fine-medium), trace coarse sand, trace silt, broken rock, burned wood debris burned, organics (trace), shells (trace) | SW | Damp | |
| 3 | | | | | | | SAND, trace silt, rocks | | | |
| | | | | | | Gray/ Brown | Sandy SILT at bottom | SM | Damp-wet Organic odor | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite chips (4' -1') and topsoil (1'- 0') | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – 4 X 4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | Direct - Push | | |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous sampling to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Not Encountered | | |
| OTHER OBSERVATIONS: | Phase I. Flag No. 646; former Landfill area | BORING NO.: 651 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | BORING NO.: 652 |
| PROJECT NO.: | N1369 | | START DATE: 1/13/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: PP | COMPLETION: DATE: 1/13/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/Rob Ullmann | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Asphalt – 0.4' (Not sampled) | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.6' / 2.0' | SBP-SO-652-0002 Screening 1/13/04 @ 1515 | | Slightly Loose | Tan | 0' – 0.3' – Fine-medium SAND, some angular gravel | SP | Moist | PID = 0.0 |
| | | | | | | Gray | 0.3' – 0.5' – Fine-coarse SAND and GRAVEL | SW | | FID = 0.0 |
| 1 | | | | | | Tan | 0.5' – 1.6' – Fine-coarse SAND trace subangular-subrounded gravel | | | |
| 2 | | | | | | | | | | |
| | | 1.9' / 2.0' | SBP-SO-652-0204 Screening 1/13/04 @ 1520 | | Loose | Gray Dark Brown | 0' – 0.1' – Fine-medium SAND<br>0.1' – 0.2' – Fine SAND, trace medium SAND | SP | Dry | PID = 0.0<br>FID = 0.0 |
| 3 | | | | | | Tan | 0.2' – 0.9' – Medium-coarse SAND, trace fine SAND | SW | | |
| | | | | | | Light Tan | 0.9' – 1.9' – Medium-coarse SAND | SP | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 740 Former landfill area road parallel to Short Beach FID/PID = B | BORING NO.: 652 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 653 |
| PROJECT NO.: | N1369 | START DATE: | 1/13/04 |
| LOGGED BY: | D. McGrath | COMPLETION: DATE: | 1/13/04 |
| DRILLED BY (Company/Driller): | ADT/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JL |

TRANSCRIBED BY: LAH

ELEVATION FROM:

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.8' / 2' | SBP-SO-653-0002 Screening 1/13/04 @ 1515 | | Loose | Brown | Fine-coarse SAND, trace silt and gravel, fine-coarse subangular and subrounded gravel – possible road base | SW/Fill | Asphalt = 5" | FID = 0.0 PID = 0.0 |
| 1 | | | | | | | | | | |
| | | | | | | | Similar to above, less gravel | | dry | |
| 2 | | | | | | | | | | |
| | | 1.3' / 2' | SBP-SO-653-0204 Screening 1/13/04 | | | Gray/ Brown | Fine-coarse SAND, trace silt, trace fine gravel, subangular | | | |
| 3 | | | | | | | | | | |
| | | | | | | Light Brown | Medium-coarse SAND, trace fine sand, trace fine gravel, subangular | | Damp | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite chips (4' -0.25') and asphalt (0.25'- 1') | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – 4 X 4 Mule |
| METHOD OF ADVANCING BORING: | Direct - Push |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous sampling to 4' in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | Not Encountered |
| OTHER OBSERVATIONS: | Phase I. Flag No. 761; former Landfill area |

BORING NO.: 653

Tetra Tech NUS, Inc.



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 654 |
| PROJECT NO.: | N1369 | START DATE: | 1/13/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 1/13/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Asphalt – top 0.4' (not sampled) | | | |
| | | 1.7' / 2.0' | SBP-SO-654-0002 Screening 1/13/04 @ 1550 | | Slightly Dense | Light Brown | 0' - 0.4' - Fine SAND, some coarse sand, trace angular-subangular gravel | SP | Moist | PID=0.0 FID=0.0 |
| 1 | | | | | | Brown | 0.4' - 1.0' - Fine –coarse SAND, trace angular gravel | SW | | |
| | | | | | | Black | 1.0' - 1.7' - Fine-coarse SAND, some silt, trace cinders- possible burn zone | SW/Fill | | |
| 2 | | | | | | | | | | |
| | | 1.9' / 2.0' | SBP-SO-654-0204 Screening and confirmation 1/13/04 @ 1555 | | Slightly Loose | Orange | 0' - 0.6' - Similar material to above<br>0.6' - 0.7' - Fine-medium SAND | SP | | PID=0.0 FID=0.0 |
| 3 | | | | | Slightly Dense Loose | Brown Orange | 0.7' - 0.8' - SILT, some fine sand<br>0.8' - 1.9' - Fine-medium SAND, trace coarse sand | ML SW | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | | | |
|---|---|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (rig 2) | | | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | | | |
| METHOD OF ROCK CORING: | N/A | | | | |
| GROUNDWATER LEVELS: | | | | | |
| OTHER OBSERVATIONS: | Phase I FID= B PID= B Flag number 739 Former Landfill area –road parallel to short beach | | | BORING NO.: 654 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 655 |
| PROJECT NO.: | N1369 | START DATE: | 1/13/04 |
| LOGGED BY: | D. McGrath | COMPLETION: DATE: | 1/13/04 |
| DRILLED BY (Company/Driller): | ADT/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JL |
| TRANSCRIBED BY: | LAH | | |
| ELEVATION FROM: | | | |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.8' / 2' | SBP-SO-655-0002 Screening 1/13/04 @ 1525 | | Loose | Brown -gray | Medium-coarse SAND, trace silt, some fine-coarse subrounded and subangular gravel | SP | Dry | FID = 0.0 PID = 0.0 |
| 1 | | | | | | | | | | |
| | | | | | | | Similar to above, with asphalt, glass | | | |
| 2 | | | | | | | Fine-coarse SAND, trace fine-coarse angular/subrounded gravel, trace shells | SW | | |
| | | 1.3' / 2' | SBP-SO-655-0204 Screening and confirmation 1/13/04 @ 1530 | | | | Similar to above, some shells | | | |
| 3 | | | | | | Light Brown | Medium-coarse SAND, trace fine sand | | Damp | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | EOB @ 4' - Backfill with Bentonite chips (4' -0.25') and asphalt (0.25'- 1') | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – 4 X 4 Mule |
| METHOD OF ADVANCING BORING: | Direct - Push |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous sampling to 4' in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | Not Encountered |
| OTHER OBSERVATIONS: | Phase I. Flag No. 753; former Landfill area |

BORING NO.: 655

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 656 |
| PROJECT NO.: | N1369 | START DATE: | 1/14/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 1/14/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ S. Pryzbylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD/ | CLR | MATERIAL CLASSIFICATION 0' - 0.3' - Grass/roots | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.6' / 2.0' | SBP-SO-656-0002 Screening 1/14/04 @ 0910 | | Frozen | Brown | 0.3' - 1.6' - Fine-coarse SAND, trace organics (roots), trace silt | SW | | PID=0.6 FID=0.0 |
| 1 | | | | | | | | | | |
| | | | | | Slightly Loose | | | | Moist | |
| 2 | | | | | | | | | | |
| | | 1.4' / 2.0' | SBP-SO-656-0204 Screening 1/14/04 @ 0915 | | Slightly Dense | | 0' - 0.6' - Silty fine SAND, some medium sand | SM | | PID=0.0 FID=35.8 |
| 3 | | | | | | Black | 0.6' - 1.0' - Silty fine SAND, some organics (roots) | | | |
| | | | | | | Dark Brown | 1.0' - 1.1' - PEAT | PT | | |
| 4 | | | | | | | 1.0' - 1.4' - Silty fine SAND, some organics (roots), root fragments | SM | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4x4 mule (rig 1) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID=B PID= B Flag number 465 Former Landfill area –golf course |

BORING NO.: 656

Tetra Tech NUS, Inc.



TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 657 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/14/04 |
| LOGGED BY: | D. McGrath | TRANSCRIBED BY: | LAH | COMPLETION: DATE: | 1/14/04 |
| DRILLED BY (Company/Driller): | ADT/S. Przybylski | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 2' / 2' | SBP-SO-657-0002 Screening 1/14/04 @ 0845 | | Frozen | Medium Brown | Fine-medium SAND, trace silt , organics | SP | Root plug = 3" frozen | FID = 0.0 PID = 0.0 |
| 1 | | | | | | | Broken rock, trace subangular gravel | GP | | |
| | | | | | Loose | | | | | |
| 2 | | | | | | | | | | |
| | | 1.8' / 2' | SBP-SO-657-0204 Screening 1/14/04 @ 0850 | | | | | | | |
| 3 | | | | | | Light Brown | Fine-medium SAND, trace silt, degraded shells and glass, broken rock | SP | Wet | |
| | | | | | | Medium Brown and black | | | | |
| 4 | | | | | | | Fine-medium SAND, trace silt, trace subangular fine-coarse gravel | | | |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite chips (4' -1') and topsoil (1'- 0') | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – 4 X 4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | Direct - Push | | |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous sampling to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Not Encountered | | |
| OTHER OBSERVATIONS: | Phase I. Flag No. 556; former Landfill area | BORING NO.: 657 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | BORING NO.: 658 |
| PROJECT NO.: | N1369 | | START DATE: 1/14/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 1/14/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0' - 0.2' - Grass/roots | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.6' / 2.0' | SBP-SO-658-0002 Screening 1/14/04 @ 0930 | | Slightly Dense | Black Brown | 0.2' - 0.3' - Asphalt pieces | Fill | Moist | PID=0.0 |
| | | | | | | | 0.3' - 0.4' - Fine-coarse SAND, some gravel, trace silt | SW | | FID=0.8 |
| 1 | | | | | | White | 0.4' - 0.8' - Concrete, pulverized | Fill | Dry | |
| | | | | | | Brown | 0.6' - 1.6' - Fine-coarse SAND, trace gravel (subrounded) | SW | Moist | |
| 2 | | | | | | | | | | |
| | | 1.6' / 2.0' | SBP-SO-658-0204 Screening 1/14/04 @ 0935 | | | Dark Brown | 0' - 0.6' - Silty fine-coarse SAND, trace organics (roots) | SM | | PID=8.0 FID=5.1 |
| 3 | | | | | Slightly Loose | | 0.6' - 0.8' - Coarse SAND | SP | | |
| | | | | | Slightly Dense | Brown | 0.8' - 1.6' - Silty fine-medium SAND, trace subrounded gravel | SM | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | | |
|---|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (rig 2) | | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | | |
| METHOD OF ROCK CORING: | N/A | | | |
| GROUNDWATER LEVELS: | | | | |
| OTHER OBSERVATIONS: | Phase I FID= B PID= B Flag number 665 Former Landfill area –road parallel to short beach | BORING NO.: 658 | | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 659 |
| PROJECT NO.: | N1369 | START DATE: | 1/14/04 |
| LOGGED BY: | D. McGrath | COMPLETION: DATE: | 1/14/04 |
| DRILLED BY (Company/Driller): | ADT/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JL |
| TRANSCRIBED BY: | LAH | | |
| ELEVATION FROM: | | | |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.8' / 2' | SBP-SO-659-0002 Screening 1/14/04 @ 0855 | | Frozen | Light Brown | Fine-medium SAND, trace silt, trace fine-coarse subangular gravel, shells, glass | SP | Root ball = 3" Frozen | FID = 0.0 PID = 0.0 |
| 1 | | | | | | | | | | |
| 2 | | | | | Loose | | Fine-coarse SAND, trace silt, trace fine gravel | SW | | |
| | | 1.5' / 2' | SBP-SO-659-0204 Screening 1/14/04 @ 0900 | | | | Fine-medium SAND, trace silt, trace fine-coarse gravel, subangular | SP | | |
| 3 | | | | | | | | | Wet | |
| | | | | | | Black | Sandy SILT, wood debris, large quantity of glass, brick/mortar, and broken rock | SM | Saturated | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite chips (4' -1') and topsoil (1'- 0') | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – 4 X 4 Mule |
| METHOD OF ADVANCING BORING: | Direct - Push |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous sampling to 4' in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | Not Encountered |
| OTHER OBSERVATIONS: | Phase I. Flag No. 487; former Landfill area |

BORING NO.: 659

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 660 |
| PROJECT NO.: | N1369 | START DATE: | 1/14/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 1/14/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0' - 0.2' - Grass/roots (frozen) | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.5' / 2.0' | SBP-SO-660-0002 Screening 1/14/04 @ 1000 | | Loose | Brown | 0.2' - 0.5' - Medium-coarse SAND, trace fine gravel | SP | Moist | PID=0.0 FID=0.0 |
| 1 | | | | | | | 0.5' - 1.5' - Fine-coarse SAND, trace silt | SW | | |
| | | | | | | | | | | |
| 2 | | | | | | | | | | |
| | | 1.8' / 2.0' | SBP-SO-660-0204 Screening 1/14/04 @ 1005 | | Slightly Dense | Orange | 0' - 0.9' - Fine SAND, some silt, trace gravel (angular-subangular) | SP | | PID=0.0 FID=0.0 |
| 3 | | | | | | | | | | |
| | | | | | Loose | Gray | 0.9' - 1.8' - Fine-medium SAND, trace fine gravel (subrounded) | | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID= B PID= B Flag number 690 Former Landfill area –road parallel to short beach |

BORING NO.: 660

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 661 |
| PROJECT NO.: | N1369 | START DATE: | 1/14/04 |
| LOGGED BY: | D. McGrath | COMPLETION: DATE: | 1/14/04 |
| DRILLED BY (Company/Driller): | ADT/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JL |
| TRANSCRIBED BY: | LAH | | |
| ELEVATION FROM: | | | |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.8' / 2' | SBP-SO-661-0002 Screening 1/14/04 @ 1000 | | Frozen | Red-Brown | Fine-medium silty SAND, trace fine-coarse gravel and broken rock, organics, burnt wood debris | SM/Fill | Grass plug = 2" Frozen | FID = 0.0 PID = 0.0 |
| 1 | | | | | | | | | | |
| 2 | | | | | Loose | | Similar to above without wood debris | | | |
| 3 | | 1.3' / 2' | SBP-SO-661-0204 Screening and Confirmation 1/14/04 @ 1005 | | | | | | Wet | |
| 4 | | | | | | Black | Fine sandy SILT, trace burnt material, trace coarse subrounded gravel, organics and glass | | Saturated Organic odor | |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite chips (4' -1') and topsoil (1'- 0') | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – 4 X 4 Mule |
| METHOD OF ADVANCING BORING: | Direct - Push |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous sampling to 4' in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | Not Encountered |
| OTHER OBSERVATIONS: | Phase I. Flag No. 310; former Landfill area |

BORING NO.: 661

Tetra Tech NUS, Inc.



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 662 |
| PROJECT NO.: | N1369 | START DATE: | 1/14/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 1/14/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0' - 0.3' - Grass/roots | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.7 / 2.0' | SBP-SO-662-0002 Screening 1/14/04 @ 1015 | | * | Brown | 0.3' - 1.0' - Fine-coarse SAND, trace silt, trace organics (roots) | SW | * frozen soil | PID=0.0 FID=0.0 |
| 1 | | | | | | | | | | |
| | | | | | Slightly Loose | | 1.0' - 1.2' - Fine-coarse SAND, trace roots | | Moist | |
| 2 | | | | | Slightly Dense | | 1.2' - 1.7' - Fine SAND, some silt | SP | | |
| | | 1.6' / 2.0' | SBP-SO-662-0204 Screening 1/14/04 @ 1020 | | | Orange | 0' - 0.1' - Similar material to above | | | PID=0.0 FID=0.0 |
| 3 | | | | | Slightly Loose | Gray | 0.1' - 0.4' - Fine-medium SAND | | | |
| | | | | | | | 0.4' - 1.6' - Medium-coarse SAND | | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID= B PID= B Flag number 728 Former Landfill area –road parallel to short beach \| BORING NO.: 662 |

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 663 |
| PROJECT NO.: | N1369 | START DATE: | 1/14/04 |
| LOGGED BY: | D. McGrath | COMPLETION: DATE: | 1/14/04 |
| DRILLED BY (Company/Driller): | ADT/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JL |
| TRANSCRIBED BY: | LAH | | |
| ELEVATION FROM: | | | |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 2' / 2' | SBP-SO-663-0002 Screening 1/14/04 @ 1045 | | Frozen | Red-Brown | Silty SAND, trace fine gravel | SM | Grass plug = 2" | FID = 0.0 PID = 0.0 |
| 1 | | | | | Loose | | ORGANICS, trace metal debris, subangular and subrounded gravel, broken rock | FILL | | |
| 2 | | | | | | | | | Dry | |
| | | 1.3' / 2' | SBP-SO-663-0204 Screening 1/14/04 @ 1050 | | | | Similar to above with wood debris and glass | | | |
| 3 | | | | | | | | | Wet | FID = 2.6 PID = 0.0 |
| 4 | | | | | | Gray | Similar to above with trace coarse sand | | Saturated | |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite chips (4' -1') and topsoil (1'- 0') | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – 4 X 4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | Direct - Push | | |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous sampling to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Not Encountered | | |
| OTHER OBSERVATIONS: | Phase I. Flag No. 328; former Landfill area | BORING NO.: 663 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 664 |
| PROJECT NO.: | N1369 | START DATE: | 1/14/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 1/14/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD/ | CLR | MATERIAL CLASSIFICATION 0' - 0.2' - Grass/roots | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.4' / 2.0' | SBP-SO-664-0002 Screening 1/14/04 @ 1050 | | Slightly Loose | Gray | 0.2' - 0.5' - Fine-medium SAND, some organics (roots) | SP | Moist | PID=0.0 FID=0.0 |
| 1 | | | | | | Brown | 0.5' - 1.0' - Fine-medium SAND, trace organics (roots) | | | |
| | | | | | | Light Brown | 1.0' - 1.4' - Fine-medium SAND | | | |
| 2 | | | | | | | | | | |
| | | 1.5' / 2.0' | SBP-SO-664-0204 Screening 1/14/04 @ 1055 | | | Black Gray | 0' - 0.2' - Fine-medium SAND<br>0.2' - 0.8' - Fine-Medium SAND, trace subrounded-rounded gravel, trace | | | PID=0.0 FID=0.0 |
| 3 | | | | | | | | | | |
| | | | | | | Orange | 0.8' - 1.3' - Medium-coarse Sand, trace fine sand | SW | | |
| 4 | | | | | | Tan | 1.3' - 1.5' - Fine-coarse SAND, some gravel (rounded) | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (rig 2) | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I FID= B PID= B Flag number 726 Former Landfill area –road parallel to short beach | BORING NO.: 664 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 665 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/14/04 |
| LOGGED BY: | D. McGrath | TRANSCRIBED BY: | LAH | COMPLETION: DATE: | 1/14/04 |
| DRILLED BY (Company/Driller): | ADT/S. Przybylski | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 2' / 2' | SBP-SO-665-0002 Screening 1/14/04 @ 1110 | | Loose | Red-Brown | Silty SAND, trace fine-coarse gravel, broken brick, organics | SM | Grass plug = 3" | FID = 0.0 PID = 0.0 |
| 1 | | | | | | | | | | |
| | | | | | Dense | brown | Broken rock | GP | | |
| 2 | | | | | | | | | | |
| | | 1.3' / 2' | SBP-SO-665-0204 Screening 1/14/04 @ 1115 | | Loose | Red | Similar to above with fine and coarse gravel | SM | | |
| 3 | | | | | | | | | Wet | |
| | | | | | | | | | | |
| 4 | | | | | | | | | Saturated | FID = 10.4 PID = 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite chips (4' -1') and topsoil (1'- 0') | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – 4 X 4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | Direct - Push | | |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous sampling to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Not Encountered | | |
| OTHER OBSERVATIONS: | Phase I. Flag No. 348; former Landfill area | BORING NO.: 665 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 666 |
| PROJECT NO.: | N1369 | START DATE: | 1/14/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 1/14/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0' - 0.2' - Grass/roots | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.6' / 2.0' | SBP-SO-666-0002 Screening 1/14/04 @ 1110 | | Slightly Loose | Light Tan | 0.2' - 1.0' - Fine-coarse SAND, some gravel | SW | Dry | PID=0.0 FID=0.0 |
| 1 | | | | | | Dark Gray | 1.0' - 1.3' - Fine-medium SAND, trace shell fragments | SP | | |
| | | | | | | Light Tan | 1.3' - 1.8' - Medium-coarse SAND | | | |
| 2 | | | | | | | | | | |
| | | 1.6' / 2.0' | SBP-SO-666-0204 Screening 1/14/04 @ 1115 | | | | 0' - 0.7' - Fine-medium SAND | | | PID=0.0 FID=0.0 |
| 3 | | | | | | | 0.7' - 1.6' - Medium-coarse SAND, trace fine sand | SW | | |
| | | | | | | | | | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID= B PID= B Flag number 744 Former Landfill area –road parallel to short beach |

BORING NO.: 666

Tetra Tech NUS, Inc.



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 667 |
| PROJECT NO.: | N1369 | START DATE: | 1/14/04 |
| LOGGED BY: | D. McGrath | COMPLETION: DATE: | 1/14/04 |
| DRILLED BY (Company/Driller): | ADT/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JL |
| TRANSCRIBED BY: | LAH | | |
| ELEVATION FROM: | | | |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.3' / 2' | SBP-SO-667-0002 Screening 1/14/04 @ 1125 | | Loose | Light Brown | Fine-medium SAND, trace silt | SP | | FID = 0.0 PID = 0.0 |
| 1 | | | | | | | Small layer red/black debris (unknown type) | FILL | | |
| | | | | | | Red-brown | SAND, trace silt, broken fine coarse gravel | SW | | |
| 2 | | | | | | | | | | |
| | | 1' / 2' | SBP-SO-667-0204 Screening 1/14/04 @ 1130 | | | | Similar to above, with coarse gravel | | | |
| 3 | | | | | | | | | | |
| | | | | | | | Degraded paper and seashells, glass and metal | FILL | | |
| 4 | | | | | | Black | | | Damp | |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite chips (4' -1') and topsoil (1'- 0') | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – 4 X 4 Mule |
| METHOD OF ADVANCING BORING: | Direct - Push |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous sampling to 4' in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | Not Encountered |
| OTHER OBSERVATIONS: | Phase I. Flag No. 308; former Landfill area |

BORING NO.: 667

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 668 |
| PROJECT NO.: | N1369 | START DATE: | 1/14/04 |
| LOGGED BY: | J. Lambert | COMPLETION: DATE: | 1/14/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JD |

TRANSCRIBED BY: DH

ELEVATION FROM:

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | | | | |
| | | 1.7' / 2.0' | SBP-SO-668-0002 Screening 1/14/04 @ 1130 | | Slightly Loose | Gray | 0' - 0.4' - Fine-medium SAND | SP | Moist | PID=0.0 FID=0.0 |
| 1 | | | | | | Tan | 0.4' - 1.1' - Similar material to above (color change only) | | | |
| 2 | | | | | | Light Tan | 1.1' - 1.7' - Medium SAND, some fine sand | | | |
| | | 1.8' / 2.0' | SBP-SO-668-0204 Screening and confirmation 1/14/04 @ 1135 | | | | 0' - 0.9' - Medium SAND, some fine sand | | | PID=0.0 FID=0.0 |
| 3 | | | | | | | | | | |
| | | | | | | Tan | 0.9' - 1.2' - Medium-coarse SAND | | | |
| 4 | | | | | | Light Tan | 1.2' - 1.8' - Fine-medium SAND | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE -- Track- mounted (rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID= B PID= B Flag number 746 Former Landfill area –road parallel to short beach |

BORING NO.: 668

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 669 |
| PROJECT NO.: | N1369 | START DATE: | 1/14/04 |
| LOGGED BY: | D. McGrath | COMPLETION: DATE: | 1/14/04 |
| DRILLED BY (Company/Driller): | ADT/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JL |
| TRANSCRIBED BY: | LAH | | |
| ELEVATION FROM: | | | |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 2.0' / 2' | SBP-SO-669-0002 Screening 1/14/04 @ 1150 | | Loose | Dark Brown | Fine-medium silty SAND, trace fine gravel, organics, broken rock | SM | Root plug = 5" Frozen | FID = 0.0 PID = 0.0 |
| 1 | | | | | | | | | | |
| | | | | | | Medium Brown | Fine coarse SAND, trace silt, trace fine subangular/rounded gravel | SW | | |
| 2 | | | | | | | | | | |
| | | 1.5' / 2' | SBP-SO-669-0204 Screening 1/14/04 @ 1200 | | | | Fine-medium SAND, trace coarse sand, trace silt, trace fine-course, subangular and subrounded gravel | | | |
| 3 | | | | | | | | | | |
| 4 | | | | | | | | | Damp | |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite chips (4' -1') and topsoil (1'- 0') | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – 4 X 4 Mule |
| METHOD OF ADVANCING BORING: | Direct - Push |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous sampling to 4' in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | Not Encountered |
| OTHER OBSERVATIONS: | Phase I. Flag No. 309; former Landfill area |

BORING NO.: 669

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | BORING NO.: 670 |
| PROJECT NO.: | N1369 | | START DATE: 1/14/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 1/14/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0' - 0.2' - Grass/roots | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 2.0' | SBP-SO-670-0002 Screening 1/14/04 @ 1345 | | Slightly Loose | Tan Brown | Fine-coarse SAND, trace silt | SW | (top 0.8' - frozen) | PID=0.0 FID=0.0 |
| 1 | | | | | | | | | | |
| | | | | | | | | | Moist | |
| 2 | | | | | | | | | | |
| | | 2.0' | SBP-SO-670-0204 Screening 1/14/04 @ 1350 | | | | Fine-medium SAND, trace coarse sand | | | PID=0.0 FID=0.0 |
| 3 | | | | | | | | | | |
| | | | | | | | | | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| | | |
|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (rig 2) | *Tetra Tech NUS, Inc.* |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | |
| METHOD OF ROCK CORING: | N/A | |
| GROUNDWATER LEVELS: | | |
| OTHER OBSERVATIONS: | Phase I FID= B PID= B Flag number 742 Former Landfill area –road parallel to short beach | BORING NO.: 670 |



TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 671 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/14/04 |
| LOGGED BY: | D. McGrath | TRANSCRIBED BY: | LAH | COMPLETION: DATE: | 1/14/04 |
| DRILLED BY (Company/Driller): | ADT/S. Przybylski | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.8' / 2' | SBP-SO-671-0002 Screening 1/14/04 @ 1345 | | Frozen | Red-Brown | Silty SAND, trace fine gravel, organics | SM | Root ball = 2" Frozen | FID = 0.0 PID = 0.0 |
| 1 | | | | | | | | | | |
| | | | | | | Gray-Brown | Fine SAND, trace silt, trace silt, seashells | SP | | |
| 2 | | | | | | | | | | |
| | | 1.6' / 2' | SBP-SO-671-0204 Screening 1/14/04 @ 1350 | | | | Broken rock | GP | | |
| 3 | | | | | Loose | Black | Sandy SILT, wood debris, trace fine subangular gravel | SM | | |
| | | | | | | | | | Organic odor | |
| 4 | | | | | | | | | wet | |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite chips (4' -1') and topsoil (1'- 0') | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – 4 X 4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | Direct - Push | | |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous sampling to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Not Encountered | | |
| OTHER OBSERVATIONS: | Phase I. Flag No. 325; former Landfill area | BORING NO.: 671 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 672 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/14/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 1/14/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ S. Pryzbylski | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0' - 0.3' - Grass/roots | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.7' / 2.0' | SBP-SO-672-0002 Screening 1/14/04 @ 1410 | | Slightly Loose | Brown | 0.3' - 0.4' - Coarse SAND and fine GRAVEL | SP/GP | Moist | PID=0.0 FID=1.7 |
| 1 | | | | | | Red-Brown | 0.4' - 0.7' - Silty fine-medium SAND, some organics (roots) | SM | | |
| | | | | | | Gray | 0.7' – 0.8' - Fine GRAVEL (angular) | GP | | |
| | | | | | | Yellow | 0.8' – 0.9' - Fine SAND | SP | | |
| 2 | | | | | | Gray Dark Brown | 0.9' - 1.0' - Fine-medium SAND 1.0' - 1.7' - Fine sandy SILT, trace plastic, organics | ML/Fill | | |
| | | 1.2' / 2.0' | SBP-SO-672-0204 Screening 1/14/04 @ 1415 | | Slightly Dense | Gray Dark Brown | 0' - 0.1' - Fine SAND, some silt 0.1' - 0.2' - Fine-coarse SAND, some charcoal fragments (possible burn zone) | SP SW/Fill | | PID=0.0 FID=36.5 |
| 3 | | | | | | | 0.2' - 0.3' - Wood, some plastic fragments | Fill | | |
| | | | | | | Yellow-Orange | 0.3' - 0.8' - Fine sandy SILT 0.8' - 0.9' - Fine sandy SILT (color change only) | ML | | |
| 4 | | | | | | Dark Brown | 0.9'-1.2' - Silty fine-medium SAND | SM/Fill | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | | |
|---|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (rig 2) | | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | | |
| METHOD OF ROCK CORING: | N/A | | | |
| GROUNDWATER LEVELS: | | | | |
| OTHER OBSERVATIONS: | Phase I FID=B PID= B Flag number 323 Former Landfill area – golf course | BORING NO.: 672 | | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 673 |
| PROJECT NO.: | N1369 | START DATE: | 1/14/04 |
| LOGGED BY: | D. McGrath | COMPLETION: DATE: | 1/14/04 |
| DRILLED BY (Company/Driller): | ADT/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JL |

TRANSCRIBED BY: LAH

ELEVATION FROM:

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 2' / 2' | SBP-SO-673-0002 Screening 1/14/04 @ 1355 | | Frozen | Light Brown | Silty SAND, trace fine-coarse gravel, organics | SM | Frozen grass = 4" | FID = 0.0 PID = 0.0 |
| 2 | | | | | | | | | | |
| 3 | | 1.6' / 2' | SBP-SO-673-0204 Screening and Confirmation 1/14/04 @ 1400 | | Loose | Black | Sandy SILT, wood debris, trace fine gravel subangular/subrounded gravel, small piece of glass | | | |
| 4 | | | | | | | | | Wet | |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite chips (4' -1') and topsoil (1'- 0') | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – 4 X 4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | Direct - Push | | |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous sampling to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Not Encountered | | |
| OTHER OBSERVATIONS: | Phase I. Flag No. 344; former Landfill area | BORING NO.: 673 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 674 |
| PROJECT NO.: | N1369 | START DATE: | 1/14/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 1/14/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Top 0.4' = asphalt | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.7' / 2.0' | SBP-SO-674-0002 Screening 1/14/04 @ 1455 | | Slightly Loose | Light Brown | 0' - 0.2' - Fine-coarse SAND, trace silt | SW | Moist | PID=0.0 |
| | | | | | | Black | 0.2' - 0.3' - Asphalt fragments | Fill | | FID=0.0 |
| 1 | | | | | | Light Brown | 0.3' - 0.5' - Fine-coarse SAND, trace gravel, trace asphalt fragments | SW/Fill | | |
| | | | | | | Gray | 0.5' - 1.0' - Fine-medium SAND | SP | | |
| 2 | | | | | | Tan | 1.0' - 1.7' - Medium SAND, trace fine sand | | | |
| | | 1.3' / 2.0' | SBP-SO-674-0204 Screening 1/14/04 @ 1500 | | | Brown | 0' - 0.2' - Fine-coarse SAND | SW | | PID=0.0 FID=0.0 |
| 3 | | | | | Loose | Tan | 0.2' - 1.0' - Medium-coarse SAND | SP | | |
| | | | | | | | 1.0' - 1.3' - Medium SAND, some coarse sand | | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (rig 2) | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I FID= B PID= B Flag number 760 Former Landfill area – road parallel to short beach | BORING NO.: 674 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 675 |
| PROJECT NO.: | N1369 | START DATE: | 1/4/04 |
| LOGGED BY: | D. McGrath | COMPLETION: DATE: | 1/4/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ S. Pryzbylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JL |
| TRANSCRIBED BY: | DH | | |
| ELEVATION FROM: | | | |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 2.0' / 2.0' | SBP-SO-675-0002 Screening 1/14/04 @ 1500 | | Frozen | Brown | Silty SAND, trace subrounded fine gravel, organics | SM | Root plug = 3" | PID=0.0 FID=0.0 |
| 1 | | | | | | | | | | |
| | | | | | Loose | Dark Brown | Silty SAND, wood debris, trace gravel | | | |
| 2 | | | | | | Brown Red Black | Broken Rock | GP | | |
| | | 1.8' / 2.0' | SBP-SO-675-0204 Screening 1/4/04 @ 1505 | | Dense | Black | Sandy SILT, trace coarse gravel, subangular | SM | | |
| 3 | | | | | | | | | | |
| | | | | | | | Solid wood debris, minimal soil | Fill | | |
| 4 | | | | | | | | | Wet | |
| | | | | EOB @ 4' bgs | | | EOB at 4' bgs - Backfill with Bentonite chips (4'-1') and topsoil (1'-0') | | | |

| | | | | |
|---|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4x4 mule | | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | | |
| METHOD OF ROCK CORING: | N/A | | | |
| GROUNDWATER LEVELS: | | | | |
| OTHER OBSERVATIONS: | Phase I | Flag number 345 | Former Landfill area | BORING NO.: 675 |



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 675A |
| PROJECT NO.: | N1369 | START DATE: | 2/3/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 2/3/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | No Samples collected from 0' - 4' bgs | | | | Refer to Boring Log Number 675 for soil profile details from 0-4' | | | |
| 1 | | | | | | | | | | |
| 2 | | | | | | | | | | |
| 3 | | | | | | | | | | |
| 4 | | | | | | | | | | |
| | | 1.3' / 2.0 | SBP-SO-675A-0406 Screening 2/3/04 @ 1215 | | Slightly Loose | Brown | 0' - 0.5' - Fine-medium SAND, trace silt | SP/Fill | Moist | PID=0.0 FID=0.0 |
| 5 | | | | | | Black | 0.5' - 0.8' - Fine-medium SAND, some wood fragments, trace rounded gravel, piece of ceramic tile | | | |
| 6 | | | | | | Dark Brown | 0.8' - 1.3' - Fine-medium SAND | | Wet | |
| | | 1.0 / 2.0' | SBP-SO-675A-0608 Screening 2/3/04 @ 1230 | | | Dark Gray | 0' - 0.6' - Fine-coarse SAND, some glass | SW/Fill | | PID=0.0 FID=6.2 |
| 7 | | | | | | | | | | |
| | | | | | | Black | 0.6' - 1.0' - Peat, trace fine sand | PT | | |
| 8 | | | | EOB @ 8' bgs | | | Note—hole collapsed; however, sleeve for 6'-8' contained free water (at 1 foot) – will assume the water table is between 6 & 8' | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) | Note: Phase II screening = Asbestos and Metals | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Approximately 6.5' bgs | | |
| OTHER OBSERVATIONS: | Phase II FID= D / PID=D Old Flag number 345 Former Landfill area –golf course | BORING NO.: 675A | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 676 |
| PROJECT NO.: | N1369 | START DATE: | 1/14/04 |
| LOGGED BY: | J. Lambert | COMPLETION: DATE: | 1/14/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JD |
| TRANSCRIBED BY: | DH | | |
| ELEVATION FROM: | | | |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0' - 0.2' - Grass/roots | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.3' / 2.0' | SBP-SO-676-0002 Screening 1/14/04 @ 1510 | | Slightly Loose | Brown | Fine-medium SAND, trace subrounded-subangular gravel, trace brick fragments | SP/Fill | Moist | PID=0.0 FID=0.0 |
| 1 | | | | | | | | | | |
| 2 | | | | | | | | | | |
| | | 1.7' / 2.0' | SBP-SO-676-0204 Screening 1/14/04 @ 1515 | | | | 0' - 0.1' - Fine-medium SAND | SP | | PID=0.0 FID=0.0 |
| 3 | | | | | | Light Brown | 0.1' - 0.2' - Silty fine SAND<br>0.2' - 0.8' - Fine-medium SAND | SM<br>SP | | |
| | | | | | | Tan | 0.8' - 1.2' - Medium SAND<br>1.2' - 1.5' - Medium-coarse SAND | | | |
| 4 | | | | | | | 1.5' - 1.7' - Fine-medium SAND | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID=B PID=B Flag number 738 Former Landfill area – road parallel to short beach BORING NO.: 676 |

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | |
| PROJECT NO.: | N1369 | | |
| LOGGED BY: | D. McGrath | TRANSCRIBED BY: | LAH |
| DRILLED BY (Company/Driller): | ADT/S. Przybylski | | |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | |

| | |
|---|---|
| BORING NO.: | 677 |
| START DATE: | 1/14/04 |
| COMPLETION: DATE: | 1/14/04 |
| MON. WELL NO.: | N/A |
| CHECKED BY: | JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 2' / 2' | SBP-SO-677-0002 Screening 1/14/04 @ 1520 | | Loose | Light Brown | Fine-coarse SAND, trace silt. | SW | Root plug = 6" | FID = 0.0 PID = 0.0 |
| 1 | | | | | | | | | Frozen | |
| | | | | | | | Fine-coarse gravel, subangular/subrounded. Possible under drainage | GW | | |
| 2 | | | | | | | | | | |
| | | 1.8' / 2' | SBP-SO-677-0204 Screening 1/14/04 @ 1525 | | | | | | | |
| 3 | | | | | | | Similar to above. Rock at 3' | | | |
| | | | | | | Black | Sandy SILT, organic material, tile, wood debris, seashells, more sand towards bottom | SM | | |
| 4 | | | | | | | | | Wet | |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite chips (4' -1') and topsoil (1'- 0') | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – 4 X 4 Mule |
| METHOD OF ADVANCING BORING: | Direct - Push |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous sampling to 4' in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | Not Encountered |
| OTHER OBSERVATIONS: | Phase I. Flag No. 327; former Landfill area |

BORING NO.: 677

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 678 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/14/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 1/14/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD/ | CLR | MATERIAL CLASSIFICATION Top 0.5' = asphalt (not sampled) | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.4' / 2.0' | SBP-SO-678-0002 Screening 1/14/04 @ 1530 | | Slightly Loose | Brown | 0' - 0.6' - Silty fine-medium SAND, trace coarse sand | SM | Moist | PID=0.0 FID=0.0 |
| 1 | | | | | | | | | | |
| | | | | | | | 0.6' - 1.4' - Fine-medium SAND | SP | | |
| 2 | | | | | | | | | | |
| | | / 2.0' | SBP-SO-678-0204 Screening and confirmation 1/14/04 @ 1535 | | | Tan | Fine-medium SAND | | | PID=0.0 FID=0.0 |
| 3 | | | | | | | | | | |
| | | | | | | | | | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (rig 2) | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I FID= B PID= B Flag number 755 Former Landfill area – road parallel to short beach | BORING NO.: 678 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 679 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/14/04 |
| LOGGED BY: | D. McGrath | TRANSCRIBED BY: | LAH | COMPLETION: DATE: | 1/14/04 |
| DRILLED BY (Company/Driller): | ADT/S. Przybylski | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or 'ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | | | | |
| | | 2' / 2' | SBP-SO-679-0002 Screening 1/14/04 @ 1530 | | Frozen | Red-Brown | Silty SAND, trace gravel, organics, possible brick | SM | Root plug = 3" | FID = 0.0 PID = 0.0 |
| 1 | | | | | Loose | | | | | |
| | | | | | | Light Brown | Fine SAND | SP | | |
| 2 | | | | | Dense | Black | Fine silty SAND, wood, waste, glass, rubber, trace gravel | SM | | |
| | | 1.4' / 2' | SBP-SO-679-0204 Screening 1/14/04 @ 1535 | | | | | | | |
| 3 | | | | | | | | | | |
| 4 | | | | | | | Similar to above, with possible degraded paper | | | |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite chips (4' -1') and topsoil (1'- 0') | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – 4 X 4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | Direct - Push | | |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous sampling to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Not Encountered | | |
| OTHER OBSERVATIONS: | Phase I. Flag No. 346; former Landfill area | BORING NO.: 679 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 680 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/14/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 1/14/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Top 0.4' = asphalt –not sampled | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.4' / 2.0' | SBP-SO-680-0002 Screening 1/14/04 @ 1540 | | Slightly Loose | Brown | Fine-coarse SAND, some silt | SW | Moist | PID=0.0 FID=0.0 |
| 1 | | | | | | | | | | |
| | | | | | | | | | | |
| 2 | | | | | | | | | | |
| | | 1.4' / 2.0' | SBP-SO-680-0204 Screening 1/14/04 @ 1545 | | | Dark Brown<br>Tan | 0' - 0.1' - Fine-medium SAND<br>0.1' - 0.6' - Medium-coarse SAND | SP | | PID=0.0 FID=0.0 |
| 3 | | | | | | Dark Brown | 0.6' - 0.7' - Silty fine-medium SAND, some organics (roots) | SM | | |
| | | | | | | Tan<br>Brown | 0.7' - 0.8' - Fine-medium SAND<br>0.8' - 1.3' - Fine-coarse SAND | SP<br>SW | | |
| 4 | | | | | | Tan | 1.3' - 1.4' - Fine-medium SAND | SP | | |
| | | | | EOB @ 4' bgs | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (rig 2) | | *Tetra Tech NUS, Inc.* |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I FID= B PID= B Flag number 757 Former Landfill area – road parallel to short beach | BORING NO.: 680 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 681 |
| PROJECT NO.: | N1369 | START DATE: | 1/14/04 |
| LOGGED BY: | D. McGrath / J. Danieli | COMPLETION: DATE: | 1/14/04 |
| DRILLED BY (Company/Driller): | ADT/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JL |
| TRANSCRIBED BY: | LAH | | |
| ELEVATION FROM: | | | |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 2' / 2' | SBP-SO-681-0002 Screening 1/14/04 @ 1545 | | Frozen | Light Brown | Silty SAND, organics, glass, trace gravel | SM | Root plug = 2" | FID = 0.0 PID = 0.0 |
| 1 | | | | | | | | | | |
| | | | | | | Dark Brown | | | | |
| 2 | | | | | | Light Brown/gray | Fine-medium SAND, trace gravel | SP | | |
| | | 2' | SBP-SO-681-0204 Screening 1/14/04 @ 1550 | | | | | | | |
| 3 | | | | | | Dark Gray | Similar to above, with pieces of glass and black pieces of burnt wood | | | |
| | | | | | | | | | | |
| 4 | | | | | | Gray | Fine-medium SAND, some gravel (rounded) | | | |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite chips (4' -1') and topsoil (1'- 0') | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – 4 X 4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | Direct - Push | | |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous sampling to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Not Encountered | | |
| OTHER OBSERVATIONS: | Phase I. Flag No. 326; former Landfill area | BORING NO.: 681 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 682 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/14/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 1/14/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Asphalt = top 0.3' (not sampled) | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.5' / 2.0' | SBP-SO-682-0002 Screening 1/14/04 @ 1600 | | Loose | Brown | Fine-coarse SAND, trace angular-subrounded gravel, trace silt | SW | Moist | PID=0.0 FID=0.0 |
| 1 | | | | | | | | | | |
| 2 | | | | | | | | | | |
| | | 1.6' / 2.0' | SBP-SO-682-0204 Screening 1/14/04 @ 1605 | | | Light Brown | 0' - 0.2' - Fine-medium SAND 0.2' - 0.6' - Fine-medium SAND | SP | | PID=0.0 FID=0.0 |
| 3 | | | | | | Tan | 0.6' - 1.6' - Medium SAND | | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | | | |
|---|---|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (rig 2) | | | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | | | |
| METHOD OF ROCK CORING: | N/A | | | | |
| GROUNDWATER LEVELS: | | | | | |
| OTHER OBSERVATIONS: | Phase I FID= B PID= B | Flag number 759 | Former Landfill area – road parallel to short beach | BORING NO.: 682 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 683 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/14/04 |
| LOGGED BY: | D. McGrath / J. Danieli | TRANSCRIBED BY: | LAH | COMPLETION: DATE: | 1/14/04 |
| DRILLED BY (Company/Driller): | ADT/S. Przybylski | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or 'ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 1.9' / 2' | SBP-SO-683-0002 Screening 1/14/04 @ 1600 | | Frozen | Light Brown / White | Fine-medium SAND, trace gravel and roots, piece of cobble 0.3' in length | SP | | FID = 0.0 PID = 0.0 |
| 2 | | | | | | Light Brown | Fine-medium SAND, trace rounded gravel | | | |
| 3 | | 1.7' / 2' | SBP-SO-683-0204 Screening 1/14/04 @ 1605 | | | Dark Brown | Similar to above, with layering noted, piece of platey rock-possible mica | | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite chips (4' -1') and topsoil (1'- 0') | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – 4 X 4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | Direct - Push | | |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous sampling to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Not Encountered | | |
| OTHER OBSERVATIONS: | Phase I. Flag No. 307; former Landfill area | BORING NO.: 683 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 684 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/14/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | RAC | COMPLETION: DATE: | 1/14/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JD |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0.0' – 0.2' – Grass/roots (frozen) | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 2' / 2' | SBP-SO-684-0002 Screening 1/14/04 @ 1615 | | Slightly Loose | Brown | 0.2' – 0.5' – Fine coarse SAND | SW | Moist | PID = 0.2 FID = |
| 1 | | | | | | | 0.5' – 0.8' – Fine coarse SAND and GRAVEL | | | |
| | | | | | | Black | 0.8' – 2.0' – Silty fine SAND, trace glass, trace plastic fragments (yellow, white) | SM/Fill | | |
| 2 | | | | | | | | | | |
| | | 1.6' / 2' | SBP-SO-684-0204 Screening 1/14/04 @ 1620 | | | Dark Brown | 0.0' – 0.7' – Fine coarse SAND, some silt | SW/Fill | | PID = 0 FID = 0 |
| 3 | | | | | | Light Gray | 0.7' – 1.4' – Fine coarse SAND, some shell fragments, trace glass | | | |
| | | | | | | Dark Brown | 1.4' – 1.5' – Wood fragments | Fill | | |
| 4 | | | | | | Brown | 1.5' – 1.6' – Fine SAND, some silt | SP | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule (Rig 1) | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 438 Former Landfill Area – Golf Course FID/PID = B | BORING NO.: 684 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 685 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/14/04 |
| LOGGED BY: | D. McGrath | TRANSCRIBED BY: | LAH | COMPLETION: DATE: | 1/14/04 |
| DRILLED BY (Company/Driller): | ADT/S. Przybylski | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | | | | |
| | | 1.8' / 2' | SBP-SO-685-0002 Screening 1/14/04 @ 1605 | | | Red-Brown | Silty SAND, trace subrounded fine gravel and coarse subangular gravel, organics | SM | Root ball = 3" | FID = 0.0 PID = 0.0 |
| 1 | | | | | | | | | | |
| 2 | | | | | | Gray | Silty SAND, trace fine gravel and shells | | | |
| | | 2' / 2' | SBP-SO-685-0204 Screening 1/14/04 @ 1610 | | | | | | | |
| 3 | | | | | | | Fine SAND, trace silt, shells & gravel | SP | Damp | |
| | | | | | Dense | Black | Fine silty SAND, glass, trace gravel | SM | | |
| 4 | | | | | | Gray | Fine SAND, trace silt, trace fine gravel WOOD at bottom of sample | SP | Wet | |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite chips (4' - 1') and topsoil (1' - 0') | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – 4 X 4 Mule |
| METHOD OF ADVANCING BORING: | Direct - Push |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous sampling to 4' in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | Not Encountered |
| OTHER OBSERVATIONS: | Phase I. Flag No. 433; former Landfill area |

BORING NO.: 685

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 686 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/15/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 1/15/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.0' / 2.0' | SBP-SO-686-0002 Screening 1/15/04 @ 0850 | | Slightly Loose | Tan | 0' - 0.5' - Fine-coarse SAND, trace silt | SW | Moist | PID=0.0 FID=0.0 |
| 1 | | | | | | | | | | |
| | | | | | Dense | White | 0.5' - 1.0' - Concrete fragments | Fill | | |
| 2 | | | | | | | | | | |
| | | 1.2' / 2.0' | SBP-SO-686-0204 Screening 1/15/04 @ 0855 | | Slightly Loose | Light Gray | 0' - 0.4' - Fine-coarse SAND, some gravel | SW | | PID=0.0 FID=0.0 |
| 3 | | | | | Slightly Dense | Brown | 0.4' - 0.5' - Silty fine SAND, some gravel | SM | | |
| | | | | | | Black | 0.5' - 1.2' - Charcoal and silty fine SAND, some ash fragments - possible burn zone | Fill | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | | |
|---|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (rig 2) | | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | | |
| METHOD OF ROCK CORING: | N/A | | | |
| GROUNDWATER LEVELS: | | | | |
| OTHER OBSERVATIONS: | Phase I FID=C PID= C Flag number 320 Former Landfill area –parking lot | BORING NO.: 686 | | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 687 |
| PROJECT NO.: | N1369 | START DATE: | 1/15/04 |
| LOGGED BY: | D. McGrath | COMPLETION: DATE: | 1/15/04 |
| DRILLED BY (Company/Driller): | ADT/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JL |
| TRANSCRIBED BY: | LAH | | |
| ELEVATION FROM: | | | |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | | | | |
| | | 2' / 2' | SBP-SO-687-0002 Screening 1/15/04 @ 0940 | | Frozen | Red-Brown | Fine silty SAND, trace fine gravel | SM | Root plug = 3" | FID = 0.0 PID = 0.0 |
| 1 | | | | | | | | | Frozen | |
| | | | | | | | | | | |
| 2 | | | | | | Gray | Fine SAND | SP | | |
| | | 2' / 2' | SBP-SO-687-0204 Screening Dup-21 1/15/04 @ 0945 | | Loose | Black | Silty fine SAND, trace shells, organics | SM | | |
| 3 | | | | | | | | | | |
| | | | | | | Gray-Red Brown | Silty fine SAND, trace organics, cellulose, glass, broken rock, possible cigarette butt, trace gravel | | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite chips (4' -1') and topsoil (1'- 0') | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – 4 X 4 Mule |
| METHOD OF ADVANCING BORING: | Direct - Push |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous sampling to 4' in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | Not Encountered |
| OTHER OBSERVATIONS: | Phase I. Flag No. 483; former Landfill area |

BORING NO.: 687

Tetra Tech NUS, Inc.



TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 688 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/15/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 1/15/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0' - 0.2' - Grass/roots (frozen) | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.8' / 2.0' | SBP-SO-688-0002 Screening 1/15/04 @ 0915 | | Slightly Loose | Brown | 0.2' - 0.6' - Fine-medium SAND, trace silt, trace organics (roots) | SP | Moist | PID=0.0 FID=0.0 |
| 1 | | | | | | Tan | 0.6' - 1.3' - Fine SAND, trace gravel, trace silt | | | |
| | | | | | | Gray | 1.3' - 1.8' - Fine-medium SAND | | | |
| 2 | | | | | | | | | | |
| | | 1.6' / 2.0' | SBP-SO-688-0204 Screening 1/15/04 @ 0920 Screening DUP. #20 | | | | 0' - 0.2' - Similar material to above | | | PID=0.0 FID=0.0 |
| 3 | | | | | Slightly Dense | Brown Orange | 0.2' - 0.3' - Fine SAND, some silt 0.3' - 0.5' - Fine SAND and wood, some silt | SP/Fill | | |
| | | | 1/15/04 @ 0925 | | | Black Brown | 0.5' - 0.6' - Silty fine-medium SAND, trace glass 0.6' - 1.5' - Fine- medium SAND, some silt, some glass, trace coarse sand | SM/Fill SP/Fill | | |
| 4 | | | | | | Gray | 1.5' - 1.6' - Fine-medium SAND | SP | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | | |
|---|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (rig 2) | | | *Tetra Tech NUS, Inc.* |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | | |
| METHOD OF ROCK CORING: | N/A | | | |
| GROUNDWATER LEVELS: | | | | |
| OTHER OBSERVATIONS: | Phase I FID= C PID= C Flag number 332 Former Landfill area – front of clubhouse | BORING NO.: 688 | | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 690 |
| PROJECT NO.: | N1369 | START DATE: | 1/15/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 1/15/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.6' / 2.0' | SBP-SO-690-0002 Screening 1/15/04 @ 0945 | | Slightly Loose | Gray | 0' - 0.4' - Fine-coarse SAND and GRAVEL | SW | Dry | PID=0.0 FID=17.7 |
| 1 | | | | | | Tan Brown | 0.4' - 1.0' - Gravelly fine-coarse SAND 1.0' - 1.1' - Fine-medium SAND, trace silt, trace charcoal fragments | SP/Fill | | |
| | | | | | Slightly Dense | Gray | 1.1' - 1.6' - Fine-medium SAND | SP | Moist | |
| 2 | | | | | | | | | | |
| | | 1.4' / 2.0' | SBP-SO-690-0204 Screening and Confirmation 1/15/04 @ 0950 | | | Brown | 0' - 0.5' - Similar material to above 0.5' - 0.7' - Fine-medium SAND, trace silt | | | PID=0.0 FID=93.0 |
| 3 | | | | | | Black | 0.7' - 1.1' - Fine SAND, some silt, trace medium gravel | | | |
| | | | | | | Tan Black | 1.1' - 1.2' - Decomposed paper/cardboard 1.2' - 1.4' - Fine SAND, trace medium sand | Fill SP | Wet | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | Water table approximately 3' bgs |
| OTHER OBSERVATIONS: | Phase I FID=C PID=C Flag number 319 Former Landfill area – outside of clubhouse BORING NO.: 690 |

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 691 |
| PROJECT NO.: | N1369 | START DATE: | 1/15/04 |
| LOGGED BY: | D. McGrath | COMPLETION: DATE: | 1/15/04 |
| DRILLED BY (Company/Driller): | ADT/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JL |

TRANSCRIBED BY: LAH

ELEVATION FROM:

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.6' / 2' | SBP-SO-691-0002 Screening 1/15/04 @ 1100 | | Frozen Loose | Brown | Silty fine SAND, some angular fine gravel. Rubber and fabric debris | SM | No root ball | FID = 0.0 PID = 0.0 |
| 1 | | | | | | | | | | |
| | | | | | | Dark Brown | Silty fine SAND, trace fine gravel | | | |
| 2 | | | | | | | | | | |
| | | 1.7' / 2' | SBP-SO-691-0204 Screening 1/15/04 @ 1105 | | | Gray | Fine SAND, trace silt, trace gravel, wood debris | SP | | |
| 3 | | | | | | | | | | |
| | | | | | | | Similar to above without wood debris | | | |
| 4 | | | | | | Dark Brown | Fine SAND, trace silt, shells, plastic | | | |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite chips (4' -1') and topsoil (1'- 0') | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – 4 X 4 Mule |
| METHOD OF ADVANCING BORING: | Direct - Push |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous sampling to 4' in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | Not Encountered |
| OTHER OBSERVATIONS: | Phase I. Flag No. 460; former Landfill area |

BORING NO.: 691

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 692 |
| PROJECT NO.: | N1369 | START DATE: | 1/15/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 1/15/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Asphalt = top 0.5' not sampled | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.3' / 2.0' | SBP-SO-692-0002 Screening 1/15/04 @ 1015 | | Slightly Loose | White | 0' - 0.4' - Concrete fragments | Fill | Dry | PID=0.0 FID=0.0 |
| 1 | | | | | | Off White | 0.4' - 1.1' - Fine-coarse SAND and GRAVEL | SW | | |
| | | | | | Slightly Dense | Brown | 1.1' - 1.3' - Fine-medium SAND, trace silt | SP | Moist | |
| 2 | | | | | | | | | | |
| | | 1.6' / 2.0' | SBP-SO-692-0204 Screening 1/15/04 @ 1020 | | | Dark Brown | 0' - 0.3' - Silty fine SAND | SM | | PID=0.6 FID=0.0 |
| 3 | | | | | Loose | Light Gray | 0.3' - 0.7' - Fine-coarse SAND, some gravel | SW | Dry | |
| | | | | | Slightly Dense | Dark Brown | 0.7' - 1.1' - Silty fine-medium SAND, some organics | SM | Moist | |
| 4 | | | | | | Brown | 1.1' - 1.6' - Gravelly fine SAND, some silt, trace glass | SP/Fill | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID=C PID=C Flag number 313 Former Landfill area – area around clubhouse |

BORING NO.: 692

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 693 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/15/04 |
| LOGGED BY: | D. McGrath | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 1/15/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ S. Pryzbylski | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.0' / 2.0' | SBP-SO-693-0002 Screening 1/15/04 @ 1120 | | Frozen | Brown-Red | Fine silty SAND, organics, trace fine subangular gravel | SM | Root plug= 3" | PID=0.0 FID=0.0 |
| 1 | | | | | | | | | | |
| | | | | | | | | | | |
| 2 | | | | | | | | | | |
| | | 2.0' / 2.0' | SBP-SO-693-0204 Screening 1/15/04 @ 1125 | | | Brown - Dark Brown | Fine silty SAND, trace organics, shells, trace subrounded fine gravel | | | PID=0.0 FID=10.2 |
| 3 | | | | | | | | | | |
| | | | | | | | | | | |
| 4 | | | | | Loose | Gray | Fine-medium silty SAND, shells | | Wet | |
| | | | | EOB @ 4' bgs | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4x4 mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag number 787 Former Landfill area | BORING NO.: 693 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 693A |
| PROJECT NO.: | N1369 | START DATE: | 2/3/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 2/3/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | No Samples collected from 0' - 4' bgs | | | | Refer to Boring Log Number 693 for soil profile details from 0-4' | | | |
| 1 | | | | | | | | | | |
| 2 | | | | | | | | | | |
| 3 | | | | | | | | | | |
| 4 | | | | | | | | | | |
| | | 1.4' / 2.0' | SBP-SO-693A-0406 Screening 2/3/04 @ 1420 | | Slightly Dense | Red-Brown Gray | 0' - 0.3' - Silty, fine-medium SAND<br>0.3' - 0.5' - Fine-medium SAND, trace shell fragments | SM SP | Moist | PID=0.0 FID=6.0 |
| 5 | | | | | | Gray-Black | 0.5' - 0.7' - Fine-medium SAND, trace silt | | | |
| | | | | | | White | 0.7' - 0.9' - Coarse GRAVEL, fractured | GP | | |
| 6 | | | | | | Dark Brown | 0.9' - 1.4' - Fine-medium SAND, some cloth fragments, some paper, trace silt | SP/Fill | | |
| | | 1.3' / 2.0' | SBP-SO-693A-0608 Screening 2/3/04 @ 1430 | | | Dark Gray | 0' - 0.3' - Fine-coarse SAND, trace gravel (subangular-subrounded) trace glass | SW/Fill | | PID=0.0 FID=103.2 |
| 7 | | | | | | Brown-Black | 0.3' - 0.5' - Fine-coarse SAND<br>0.5' - 0.8' - Fine-coarse SAND, some silt, trace metal fragments | | | |
| | | | | | | Dark Brown | 0.8' - 0.9' - Silty fine-medium SAND, some wood fragments, piece of slag | SM/Fill | | |
| 8 | | | | EOB @ 8' bgs | | Brown | 0.9' - 1.3' - Fine-medium SAND | SP | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | Note: | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | Phase II Screening = Asbestos and Metals | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Approximately 7' bgs | | |
| OTHER OBSERVATIONS: | Phase II FID= D PID= D Old Flag number 787 Former Landfill area – golf course | BORING NO.: 693A | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 694 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/15/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 1/15/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0' - 0.3' - Grass/roots (frozen) | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.5' / 2.0' | SBP-SO-694-0002 Screening 1/15/04 @ 1105 | | Slightly Loose | Brown | 0.3' - 0.8' - Fine-coarse SAND, trace organics (roots) | SW | Frozen | PID=0.0 FID=0.0 |
| 1 | | | | | | | 0.8' - 1.1' - Fine-coarse SAND and GRAVEL (fractured) | | Moist | |
| | | | | | | Orange Brown | 1.1' - 1.5' - Fine SAND, trace silt | SP | | |
| 2 | | | | | | | | | | |
| | | 1.4' / 2.0' | SBP-SO-694-0204 Screening 1/15/04 @ 1110 | | Slightly Dense | | 0' - 0.3' - Fine-medium SAND, some fine angular-subangular gravel | | | PID=0.0 FID=0.0 |
| 3 | | | | | | | 0.3' - 0.9' - Fine-medium SAND | | | |
| | | | | | Slightly Loose | Gray | 0.9' - 1.1' - Coarse GRAVEL, trace sand | GP | | |
| 4 | | | | | Slightly Dense | Brown | 1.1' - 1.4' - Fine-medium SAND, trace silt, piece of root (large) 2" long and 0.5" thick | SP | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (rig 2) | | *Tetra Tech NUS, Inc.* |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I FID=C PID=C Flag number 301 Former Landfill area – area around clubhouse | BORING NO.: 694 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | |
| PROJECT NO.: | N1369 | BORING NO.: | 695 |
| LOGGED BY: | D. McGrath | START DATE: | 1/15/04 |
| DRILLED BY (Company/Driller): | ADT/S. Przybylski | COMPLETION: DATE: | 1/15/04 |
| GRD. SURFACE ELEVATION: | | MON. WELL NO.: | N/A |
| TRANSCRIBED BY: | LAH | CHECKED BY: | JL |
| ELEVATION FROM: | | | |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or 'ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.6' / 2' | SBP-SO-695-0002 Screening and confirmation 1/15/04 @ 1145 | | Loose | Light Brown | Fine-coarse SAND, trace silt, trace fine gravel, organics | SW | Grass plug = 6" | FID = 0.0 PID = 0.0 |
| 1 | | | | | | | | | | |
| | | | | | | | 6" fine peastone layer | GP | | |
| 2 | | | | | | Black | Fine SAND, trace silt, shells | SP | | |
| | | 1.7' / 2' | SBP-SO-695-0204 Screening 1/15/04 @ 1150 | | | | | | | |
| 3 | | | | | | Gray | Fine silty SAND, trace fine gravel, shells | SM | | |
| 4 | | | | | | Red | Possible waste material – very fine, fibers noted (PACM) | Fill | | |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite chips (4' -1') and topsoil (1'- 0') | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – 4 X 4 Mule | Notes: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | Direct - Push | | |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous sampling to 4' in 2' intervals | PACM = Potential asbestos containing material | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Not Encountered | | |
| OTHER OBSERVATIONS: | Phase I. Flag No. 788; former Landfill area | BORING NO.: 695 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | BORING NO.: 696 |
| PROJECT NO.: | N1369 | | START DATE: 1/15/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 1/15/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0' - 0.3' - Grass/topsoil | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.3' / 2.0' | SBP-SO-696-0002 Screening 1/15/04 @ 1145 | | Slightly Loose | Light Brown | 0.3' - 0.8' - Fine-coarse SAND, trace subangular gravel | SW | Dry | PID=0.0 FID=0.0 |
| 1 | | | | | | | | | | |
| | | | | | | Brown | 0.8' - 1.3' - Fine-medium SAND, some coarse gravel | SP | Moist | |
| 2 | | | | | | | | | | |
| | | 1.2' / 2.0' | SBP-SO-696-0204 Screening 1/15/04 @ 1150 | | | Dark Brown Black | 0' - 0.1' - Fine SAND, trace plastic<br>0.1' - 0.3' - Fine SAND, trace silt, some charcoal pieces | SP/Fill | | PID=0.0 FID=36.6 |
| 3 | | | | | | Dark Brown | 0.3' - 0.5' - Fine-medium SAND, trace silt | | | |
| | | | | | | | 0.5' - 0.8' - Wood pieces<br>0.8' - 1.1' - Silty fine SAND, trace brick fragments | Fill SM/Fill | | |
| 4 | | | | | | Black | 1.1' - 1.2' - Silty fine SAND | SM | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID= C PID= C Flag number 302 Former Landfill area – entrance to park |

BORING NO.: 696

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 697 |
| PROJECT NO.: | N1369 | START DATE: | 1/15/04 |
| LOGGED BY: | D. McGrath | COMPLETION: DATE: | 1/15/04 |
| DRILLED BY (Company/Driller): | ADT/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JL |

TRANSCRIBED BY: LAH

ELEVATION FROM:

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | | | | |
| | | 1.8' / 2' | SBP-SO-697-0002 Screening and Confirmation 1/15/04 @ 1215 | | Frozen | Brown Gray | Fine SAND, trace silt, trace fine gravel. Broken rock | SP/Fill | Roots = 2" | FID = 0.0 PID = 0.0 |
| 1 | | | | | | | | | | |
| | | | | | | Gray | Fine SAND, trace silt, coarse gravel. Burnt wood. | | | |
| 2 | | | | | | | | | | |
| | | 2' / 2' | SBP-SO-697-0204 Screening 1/15/04 @ 1220 | | | Light Brown | Medium-fine SAND, trace silt, shells, trace gravel and organics | | | |
| 3 | | | | | | | | | | |
| | | | | | | | Broken rock | GP/Fill | damp | |
| 4 | | | | | | Dark to black | Fibrous silty material, minimal sand. PACM. Some gravel/broken rock. | Fill | | |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite chips (4' -1') and topsoil (1'- 0') | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – 4 X 4 Mule | Notes: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | Direct - Push | | |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous sampling to 4' in 2' intervals | PACM = Potential asbestos containing material | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Not Encountered | | |
| OTHER OBSERVATIONS: | Phase I. Flag No. 789; former Landfill area | BORING NO.: 697 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 698 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/15/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 1/15/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Top 0.3' - Grass/roots/topsoil | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.8' / 2.0' | SBP-SO-698-0002 Screening 1/15/04 @ 1215 | | Frozen | Brown | 0.3' - 0.5' - Fine SAND, some medium sand, trace silt, trace organics (roots) | SP | Frozen | PID=0.0 FID=0.0 |
| 1 | | | | | | Gray | 0.5' - 1.0' - GRAVEL; subrounded, trace fine-medium sand | GW | | |
| | | | | | | Brown | 1.0' - 1.2' - Fine SAND, some silt | SP | | |
| | | | | | | Orange-Brown | 1.2' - 1.3' - Fine-medium SAND, some silt | | | |
| 2 | | | | | | Brown | 1.3' - 1.8' - Fine-medium SAND, trace silt | | | |
| | | 1.3' / 2.0' | SBP-SO-698-0204 Screening and Confirmation 1/15/04 @ 1220 | | | Tan | 0.0' - 0.8' - Fine-coarse SAND, some silt | SW | | PID=0.0 FID=0.0 |
| 3 | | | | | | | | | | |
| | | | Confirmation DUP #21 1/15/04 @ 1225 | | | Brown | 0.8' - 1.0' - Silty fine SAND | SM | | |
| 4 | | | | | | Black | 1.0' - 1.3' - Silty fine SAND and GLASS | SM/Fill | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | | | |
|---|---|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (rig 2) | | | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | | | |
| METHOD OF ROCK CORING: | N/A | | | | |
| GROUNDWATER LEVELS: | | | | | |
| OTHER OBSERVATIONS: | Phase I FID=C PID=C Flag number 312 | Former Landfill area – near TtNUS trailer | BORING NO.: 698 | | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 699 |
| PROJECT NO.: | N1369 | START DATE: | 1/15/04 |
| LOGGED BY: | D. McGrath | TRANSCRIBED BY: LAH | COMPLETION: DATE: 1/15/04 |
| DRILLED BY (Company/Driller): | ADT/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 2' / 2' | SBP-SO-699-0002 Screening and Screening dup 23 @ 1300 1/15/04 @ 1250 | | Frozen | Red Brown | Silty SAND, organics, trace fine gravel | SM/Fill | Root ball = 2" | FID = 0.0 PID = 0.0 |
| 1 | | | | | | | | | | |
| | | | | | | Light Brown | Fine-coarse SAND, trace silt, trace gravel, shells | SW/Fill | | |
| 2 | | | | | | | | | | |
| | | 2' / 2' | SBP-SO-699-0204 Screening 1/15/04 @ 1255 | | | | | | | |
| 3 | | | | | | | | | | |
| | | | | | | | | | | |
| 4 | | | | | | Red, brown Black | Fibrous silty material, possible plastic debris intermixed, PACM | Fill | | |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite chips (4' -1') and topsoil (1'- 0') | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – 4 X 4 Mule | Notes: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | Direct - Push | | |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous sampling to 4' in 2' intervals | PACM = Potential asbestos containing material | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Not Encountered | | |
| OTHER OBSERVATIONS: | Phase I. Flag No. 790; former Landfill area | BORING NO.: 699 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 700 |
| PROJECT NO.: | N1369 | START DATE: | 1/15/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 1/15/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0-0.2' Grass/roots | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.2' / 2.0' | SBP-SO-700-0002 Screening 1/15/04 @ 1305 | | | Brown | 0.2' - 0.9' - Fine SAND, trace silt, trace subrounded/rounded gravel, trace roots | SP | Moist | PID=0.0 FID=0.0 |
| 1 | | | | | | Black | 0.9' - 1.0' - SLAG (1" pieces) | Fill | Dry | |
| | | | | | | White | 1.0' - 1.2' - Concrete pieces | | | |
| 2 | | | | | | | | | | |
| | | * 0.7' / 2.0' | SBP-SO-700-0204 Screening 1/15/04 @ 1310 | | | Dark-Brown | 0.0' - 0.1' - Fine-medium SAND, some charcoal pieces | SP/Fill | Moist | PID=0.0 FID=0.0 |
| 3 | | | | | | | | | | |
| | | | | | | Black | 0.1' - 0.7' - Possible burn zone- fine-coarse SAND and charcoal fragments, one coarse gravel sized cinder, burnt wood | SW/Fill | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (rig 2) | Note: | *Tetra Tech NUS, Inc.* |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | * = Poor volume after 2 attempts – material compressed | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I FID= C PID= C Flag number 303 Former Landfill area – area around TtNUS trailer | BORING NO.: 700 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 701 |
| PROJECT NO.: | N1369 | START DATE: | 1/15/04 |
| LOGGED BY: | D. McGrath | TRANSCRIBED BY: DH | COMPLETION: DATE: 1/15/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 2.0' / 2.0' | SBP-SO-701-0002 Screening and Confirmation 1/15/04 @ 1330 | | Frozen | Light Brown | Fine-medium SAND, trace silt | SM | Root plug at 4" | PID=0.0 FID=0.0 |
| 1 | | | | | | Gray | Shells, trace fine gravel and organics | Fill | | |
| | | | | | | Brown | Fine material fibrous with shells, possible waste material, then gray fine SAND | SP/Fill | Possible PACM | |
| 2 | | | | | | | | | | |
| | | 2.0' / 2.0' | SBP-SO-701-0204 Screening 1/15/04 @ 1335 | | | Gray | Fine gray SAND, trace gravel, shells, trace silt | | Wet | |
| 3 | | | | | | Black | Possible waste material, wood, plastic. Fibrous material embedded * to 3.5' | Fill | Possible PACM | |
| | | | | | | | | | Wet | |
| 4 | | | | | | Yellow | Fine SAND, 0.5' | SP | | |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite chips (4-1) and topsoil (1-0) | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4x4 mule | Notes: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | PACM = Possible asbestos containing material | |
| METHOD OF ROCK CORING: | N/A | * = Fibers were possible organic | |
| GROUNDWATER LEVELS: | Water table approximately 2' bgs | | |
| OTHER OBSERVATIONS: | Phase I Flag number 792 Former Landfill area | BORING NO.: 701 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | BORING NO.: 702 |
| PROJECT NO.: | N1369 | | START DATE: 1/15/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 2/3/041/15/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0' - 0.3' - Grass/roots/ topsoil (frozen) | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.5' / 2' | SBP-SO-702-0002 Screening 1/15/04 @ 1325 | | Slightly Loose | Orange-Brown | 0.3' - 1.5' - Fine SAND, some medium sand, trace silt, trace organics (roots) slag pieces at 0.4' | SP/Fill | Moist | PID=0.0 FID=0.0 |
| 1 | | | | | | | | | | |
| 2 | | | | | | | | | | |
| | | 1.2' / 2' | SBP-SO-702-0204 Screening 1/15/04 @ 1330 | | | Brown | 0' - 1.0' - Fine-medium SAND, trace silt, trace slag pieces | | | PID=0.0 FID=0.0 |
| 3 | | | | | | | | | | |
| | | | | | Slightly Dense | Dark Brown | 1.0' - 1.2' - Silty fine SAND, trace medium sand, painted wood in nose | SM/Fill | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | | |
|---|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) | | | *Tetra Tech NUS, Inc.* |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | | |
| METHOD OF ROCK CORING: | N/A | | | |
| GROUNDWATER LEVELS: | | | | |
| OTHER OBSERVATIONS: | Phase I FID=C PID= C Flag number 314 Former Landfill area – near TtNUS trailer | BORING NO.: 702 | | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 702A |
| PROJECT NO.: | N1369 | START DATE: | 1/29/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 1/29/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | No Samples collected from 0-4' bgs | | | | Refer to Boring Log Number 702 for soil profile details from 0-4' | | | |
| 1 | | | | | | | | | | |
| 2 | | | | | | | | | | |
| 3 | | | | | | | | | | |
| 4 | | | | | | | | | | |
| | | 0.8' / 2.0' | SBP-SO-702A-0406 Screening 1/29/04 @ 0920 | | Slightly Loose | Brown | 0' - 0.2' - Fine-coarse SAND, some silt, trace subrounded-rounded gravel | SW | Moist | PID=0.0 FID=0.0 |
| 5 | | | | | | | 0.2' - 0.5' - Silty fine-medium SAND and organics (leaf litter), some tile fragments (very hard with fibers on end- PACM?) | SM/Fill | | |
| 6 | | | | | | Red-Brown | 0.5' - 0.8' - Fine sandy SILT, some glass fragments | ML | | |
| | | | SBP-SO-702A-0608 Screening 1/29/04 @ 0945 | | | | Fine sandy SILT, some organics (roots) | | Wet | PID=0.0 FID=0.0 |
| 7 | | | | | | | | | | |
| 8 | | | | EOB @ 8' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (rig 2) | Notes: Phase II screening = Asbestos and Metals PACM = Potential Asbestos containing Material | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase II FID=B PID= B Flag number 314 Former Landfill area – Shore Drive | BORING NO.: 702A | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 703 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/15/04 |
| LOGGED BY: | D. McGrath | TRANSCRIBED BY: | LAH | COMPLETION: DATE: | 1/15/04 |
| DRILLED BY (Company/Driller): | ADT/S. Przybylski | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 2' / 2' | SBP-SO-703-0002 Screening 1/15/04 @ 1420 | | Frozen | Light Brown | Silty SAND, trace organics, trace coarse subangular gravel, and fine shells | SM/Fill | Root ball = 3" | |
| 1 | | | | | | | | | | |
| | | | | | | | | | | |
| 2 | | | | | Loose | Gray | Fine-medium SAND, trace silt, shells | SP/Fill | | |
| | | 2' / 2' | SBP-SO-703-0204 Screening 1/15/04 @ 1425 | | | | | | | |
| 3 | | | | | | | | | | |
| | | | | | Loose | Black | 3.0' – 3.5' - silty material with fibers and metal (PACM) | Fill | | |
| 4 | | | | | | Gray | 3.5' – 4.0' - fine-coarse SAND, trace gravel, organics | SW | | |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite chips (4' - 1') and topsoil (1'- 0') | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – 4 X 4 Mule | Notes: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | Direct - Push | | |
| METHOD OF SOIL SAMPLING: | Macro -- Core; Open tube, continuous sampling to 4' in 2' intervals | PACM = Potential asbestos containing material | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Not Encountered | | |
| OTHER OBSERVATIONS: | Phase I. Flag No. 791; former Landfill area | BORING NO.: 703 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 704 |
| PROJECT NO.: | N1369 | START DATE: | 1/15/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 1/15/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0.0' - 0.2' - Grass/roots | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.5' / 2.0' | SBP-SO-704-0002 Screening 1/15/04 @ 1350 | | Slightly Dense | Light Brown | 0.2' - 1.0' - Fine-coarse SAND, trace silt, some roots (1 ½" in diameter) | SW | Moist | PID=0.0 FID=0.0 |
| 1 | | | | | | | | | | |
| | | | | | | Brown | 1.0' - 1.3' - Fine-coarse SAND, some silt | | | |
| 2 | | | | | | | | | | |
| | | 1.1' / 2.0' | SBP-SO-704-0204 Screening 1/15/04 @ 1355 | | | Dark Brown | 0.0' - 0.3' - Fine-medium SAND, trace silt | SP | | PID=0.0 FID=0.0 |
| 3 | | | | | | Brown | 0.3' - 1.0' - Silty fine SAND | SM | | |
| | | | | | | Dark Red | 1.0' - 1.1' - Fine-coarse SAND, trace silt | SW | Wet | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (rig 2) | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Water table approximately 3' bgs | | |
| OTHER OBSERVATIONS: | Phase I FID=C PID=C Flag number 304 Former Landfill area – TtNUS trailer area | BORING NO.: 704 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 705 |
| PROJECT NO.: | N1369 | START DATE: | 1/15/04 |
| LOGGED BY: | D. McGrath | TRANSCRIBED BY: LAH | COMPLETION: DATE: 1/15/04 |
| DRILLED BY (Company/Driller): | ADT/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 2' / 2' | SBP-SO-705-0002 Screening 1/15/04 @ 1500 | | Frozen | Red Brown | Silty fine SAND, trace subangular gravel, fine rock fragments | SM/Fill | Root ball = 4" | |
| 1 | | | | | | | | | | |
| | | | | | | | | | | |
| 2 | | | | | | Gray | Fine SAND, trace silt, trace gravel | SP/Fill | | |
| | | 1.6' / 2' | SBP-SO-705-0204 Screening 1/15/04 @ 1505 | | | | Similar to above with rock fragments | | | |
| 3 | | | | | | | | | | |
| | | | | | | Black | Silty material, no fibers noted, wood debris, glass | Fill | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite chips (4' -1') and topsoil (1'- 0') | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – 4 X 4 Mule | Notes: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | Direct - Push | | |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous sampling to 4' in 2' intervals | PACM = Potential asbestos containing material | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Not Encountered | | |
| OTHER OBSERVATIONS: | Phase I. Flag No. 786; former Landfill area | BORING NO.: 705 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 706 |
| PROJECT NO.: | N1369 | START DATE: | 1/15/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 1/15/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0.0' - 0.3' - Grass/roots/topsoil (frozen) | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.7' / 2.0' | SBP-SO-706-0002 Screening 1/15/04 @ 1435 | | Frozen | Brown | 0.3' - 0.6' - Fine-medium SAND, trace silt | SP | Frozen | PID=0.0 FID=0.0 |
| 1 | | | | | | Light Brown | 0.6' - 0.8' - Fine-coarse SAND and GRAVEL | SW/GW | | |
| | | | | | | | 0.8' - 1.2' - Fine-coarse SAND | SW | | |
| 2 | | | | | | | | | | |
| | | 1.4' / 2.0' | SBP-SO-706-0204 Screening 1/15/04 @ 1440 | | | | 0.0' - 0.6' - Similar material to above | | | PID=0.0 FID=0.0 |
| 3 | | | | | | Brown | 0.6' - 1.2' - Fine-medium SAND, trace subrounded gravel | SP | | |
| | | | | | | | | | | |
| 4 | | | | | | Dark Brown | 1.2' - 1.4' - Silty fine SAND | SM | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (rig 2) | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I FID= C PID= C Flag number 316 Former Landfill area – TtNUS trailer area | BORING NO.: 706 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 707 |
| PROJECT NO.: | N1369 | START DATE: | 1/15/04 |
| LOGGED BY: | D. McGrath | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/15/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/S. Przybylski | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 2' / 2' | SBP-SO-707-0002 Screening 1/15/04 @ 1510 | | Frozen | Red Brown | Silty SAND, trace organics, trace coarse sand | SM | Grass/root plug = approximately 3" | |
| 1 | | | | | | | | | | |
| | | | | | | ---- | Broken rock | --- | | |
| 2 | | | | | | Black | Silty SAND, trace gravel | SM | | |
| | | 2' / 2' | SBP-SO-707-0204 Screening 1/15/04 @ 1515 | | | Gray | Fine SAND, trace shells | SP | | |
| 3 | | | | | | | | | | |
| | | | | | | | | | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs – Backfill with bentonite chips (4'-1') and topsoil (1'-0') | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag Number 384 Former Landfill Area | BORING NO.: 707 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 707A |
| PROJECT NO.: | N1369 | START DATE: | 1/22/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/22/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 2' | SBP-SO-707A-0002 Full Suite, less dioxin and SPLP 1/22/04 @ 1015 | | | | Refer to Boring Log Number 707 for soil profile details from 0' – 4' bgs | | | |
| 2 | | | DUP 02 1/22/04 @ 1120 | | | | | | | |
| 3 | | 1.5' / 2' | SBP-SO-707A-0204 Full Suite, less dioxin and SPLP 1/22/04 @ 1040 | | | | | | | |
| 4 | | | | | | | | | | |
| 5 | | 1.8' / 2' | SBP-SO-707A-0406 Full Suite (waste) 1/22/04 @ 1100 | | Slightly Loose | Dark Brown | 0' – 0.1' – Silty fine SAND, some plastic, some organics (roots), piece of blue green plastic | SM | Moist | PID = 0.0 |
| | | | | | | Gray | 0.1' – 0.3' – Fine-medium SAND | SP | | |
| | | | | | | Dark Brown | 0.3' – 0.5' – Fine SAND, some medium sand | | | FID = 0.0 |
| 6 | | | | | | Tan | 0.5' – 0.6' – Fine to coarse SAND | SW | | |
| | | | | | | Dark Brown | 0.6' – 1.2' – PACM, fine sandy SILT, long needle like fibers throughout | Fill | PACM noted in sample | |
| | | | | | | | 1.2' – 1.8' – Fine to coarse SAND, some glass, piece of metal/wire | SW/Fill | | |
| 7 | | 1.6' / 2' | SBP-SO-707A-0608 Full Suite, less dioxin and SPLP 1/22/04 @ 1205 | | | | 0' – 0.6' – Fine to coarse SAND, some silt, trace glass | | | PID = 0.0 |
| | | | | | | Dark Gray | 0.6' – 1.0' – Fine-medium SAND | SP | | FID = 241.6 |
| 8 | | | | EOB @ 8' bgs | | Black | 1.0' – 1.1' – Fine-medium SAND, some silt | | | |
| | | | | | | Gray | 1.1' – 1.3' – Coarse GRAVEL (fractured) | GP | | |
| | | | | | | | 1.3' – 1.6' – Silty fine SAND, some wood fragments | SM/Fill | Wet | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples in 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | Approximately 7.5' bgs |
| OTHER OBSERVATIONS: | Phase II Old Flag Number 384 Former Landfill Area – outside baseball field FID/PID = D |

Note:
Full Suite = SVOCs, Pesticides/PCBs, metals, dioxin, SPLP metals and PCBs, asbestos, and VOCs
PACM = Potential asbestos containing material

BORING NO.: 707A

*Tetra Tech NUS, Inc.*

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 708 |
| PROJECT NO.: | N1369 | START DATE: | 1/15/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 1/15/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0.0' - 0.3' - Grass/roots | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.5' / 2.0' | SBP-SO-708-0002 Screening 1/15/04 @ 1500 | | Slightly Loose | Brown | 0.3' - 0.6' - Silty fine-medium SAND, trace organics (roots) | SM | Moist | PID=0.0 FID=0.0 |
| 1 | | | | | | | | | | |
| | | | | | | Tan | 0.6' - 1.5' - Fine-medium SAND, trace subrounded/rounded gravel | SP | | |
| 2 | | | | | | | | | | |
| | | 1.3' / 2.0' | SBP-SO-708-0204 Screening 1/15/04 @ 1505 | | | | Fine-medium SAND, trace coarse sand, trace rounded/subrounded gravel | SW | | PID=0.0 FID=0.0 |
| 3 | | | | | | | | | | |
| | | | | | | | | | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (rig 2) | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I FID=C PID= C Flag number 315 Former Landfill area – TtNUS trailer area | BORING NO.: 708 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 709 |
| PROJECT NO.: | N1369 | START DATE: | 1/19/04 |
| LOGGED BY: | C. Rousseau/Neb Dedic | TRANSCRIBED BY: DH | COMPLETION: DATE: 1/19/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.8' / 2.0' | SBP-SO-709-0002 Screening 1/19/04 @ 1530 | | Loose | Brown | 0 - 0.3' - Topsoil, grass, roots | | Dry, frozen | |
| 1 | | | | | | Light Brown | 0.3'-1.0' - Silty sand, fine–medium sand, some coarse sand, trace gravel | SM/Fill | | FID=0.0 PID=0.0 |
| | | | | | | | 1.0' – 2' - Medium–coarse SAND, some fine sand, trace gravel | SW/Fill | No odor No visible waste | |
| 2 | | | | | | | | | | |
| | | 1.8' / 2.0' | SBP-SO-709-0204 Screening 1/19/04 @ 1540 | | | Light Brown | 2.0' – 2.4' - Medium – coarse SAND, some fine sand, trace gravel | | Dry-moist | |
| 3 | | | | | | | 2.4' – 4' - Sandy SILT, trace organics, mostly fine–medium sand, some coarse sand | SM/Fill | | |
| | | | | | | | | | Frozen Glass fragments No odor | FID=0.0 PID=0.0 |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4X4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Continuous to 4' / 2' sample interval | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I FID (B) PID (B) Flag number 322 | BORING NO.: 709 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 710 |
| PROJECT NUMBER: | N1369 | | | START DATE: | 1/19/04 |
| LOGGED BY: | C. Rousseau/Neb Dedic | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 1/19/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.8' / 2.0' | SBP-SO-710-0002 Screening 1/19/04 @ 1605 | | Loose | Brown-Black | 0' - 0.6' - Topsoil, grass, roots, silty SAND, fine-medium sand | SM/Fill | Dry-moist | |
| 1 | | | | | | | 0.6' - 2.0' - Silty SAND, fine–medium sand, some coarse sand, trace gravel | | | |
| | | | | | | | | | Glass fragments, piece of plastic | |
| 2 | | | | | | | | | | |
| | | 1.2' / 2.0' | SBP-SO-710-0204 Screening 1/19/04 @ 1610 | | | Brown/ Dark Brown | 2.0' - 4.0' - Silty SAND, fine-medium sand, some silt, trace organics | | Moist-wet No odor No visible waste | FID=0.0 PID=0.0 |
| 3 | | | | | | | | | | FID=0.0 PID=0.0 |
| | | | | | | | | | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4X4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Continuous to 4 foot – 2 foot sample intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I FID (B) PID (B) Flag Number 306 | BORING NO.: 710 . | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 710A |
| PROJECT NO.: | N1369 | | | START DATE: | 2/3/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 2/3/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JD |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | No Samples Collected from 0' - 4' bgs | | | | Refer to Boring Log Number 710 for soil profile details from 0-4' | | | |
| 4 | | | | | | | | | | |
| | | 1.3' / 2.0' | SBP-SO-710A-0406 Screening 2/3/04 @ 1135 | | Slightly Loose | Brown | 0' - 0.3' - Silty fine SAND | SM | Wet | PID=0.0 FID=0.0 |
| 5 | | | | | | Dark Brown | 0.3' - 0.9' - Similar material to above – color change only | | | |
| | | | | | | | | | | |
| 6 | | | | | | Brown | 0.9' - 1.3' - Silty fine-medium SAND | | | |
| | | 1.6' / 2.0' | SBP-SO-710A-0608 Screening 2/3/04 @ 1140 | | | | | | | PID=0.0 FID=0.0 |
| 7 | | | | | | | 0' - 0.4' - Fine sandy SILT, trace angular gravel | ML | | |
| | | | | | | | 0.4' - 1.6' - Fine-medium SAND, trace silt | SP | | |
| 8 | | | | | | | | | | |
| | | | | EOB @ 8' bgs | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (Rig 2) | Note: Phase II Screening = Asbestos and Metals | *Tetra Tech NUS, Inc.* |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Approximately 7' bgs | | |
| OTHER OBSERVATIONS: | Phase II FID= D PID= D Old Flag number 306 Former Landfill area – golf course (edge by road) | BORING NO.: 710A | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 711 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/19/04 |
| LOGGED BY: | C. Rousseau/Neb Dedic | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 1/19/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.7' / 2.0' | SBP-SO-711-0002 Screening 1/19/04 @ 1618 | | Loose | Brown | 0' - 0.3' -Topsoil, grass, roots, organics | | Dry-moist No odor No visible waste | |
| 1 | | | | | | | 0.3' – 2.0' - Silty sand, fine-medium sand, some coarse sand, trace rock fragments, trace organics (roots) | SM | | |
| | | | | | | | | | | FID=0.0 PID=0.0 |
| 2 | | | | | | | | | | |
| | | 1.8' / 2.0' | SBP-SO-711-0204 Screening 1/19/04 @ 1625 | | | | 2.0' – 2.5' - Silty SAND, fine-medium sand, coarse sand | | Moist-wet No odor No visible waste | FID=0.0 PID=0.0 |
| 3 | | | | | | | 2.5' – 4.0' - Silty SAND, fine-medium sand, some silt, trace clay (possible), trace gravel, rock fragments | | | |
| | | | | | | | | | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4X4 Mule | | *Tetra Tech NUS, Inc.* |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Continuous to 4 foot – 2 foot sample intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I FID (B) PID (B) Flag Number 305 | BORING NO.: 711 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 712 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/20/04 |
| LOGGED BY: | C. Rousseau/Neb Dedic | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 1/20/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.8' / 2.0' | SBP-SO-712-0002 Screening 1/20/04 @ 0835 | | Loose | Brown | 0' – 1.8' - Silty SAND, fine-medium sand, some coarse sand, trace gravel | SM | Dry- moist No odor Rock fragments | FID=0.0 PID=0.0 |
| 1 | | | | | | | | | | |
| 2 | | | | | | | | | | |
| | | 1.6' / 2.0' | SBP-SO-712-0204 Screening 1/20/04 @ 0850 | | | Brown-Black | 0' – 0.7' - Silty SAND, fine-medium sand, some coarse sand, trace gravel | | Moist- wet 8" piece of wood Organic odor | FID = 622 |
| 3 | | | | | | | | | | FID= 408 PID=0.0 |
| | | | | | | | 0.7' – 1.6' - Organic material, 8" piece of wood, possible piece of cardboard | Fill | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track-mounted Rig number 1 | | *Tetra Tech NUS, Inc.* |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Continuous to 4 foot / 2 foot intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I FID (B) PID (B) Flag Number 334 | BORING NO.: 712 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 713 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/20/04 |
| LOGGED BY: | C. Rousseau/Neb Dedic | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 1/20/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/D. Gooley | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 2.0' / 2.0' | SBP-SO-713-0002 Screening 1/20/04 @ 0905 | | Loose | Brown | 0' – 0.4' -TOPSOIL, organics, grass and roots, silty sand, some coarse sand, trace gravel, trace rock fragments | SM/Fill | Dry-moist | FID=43.0 PID=0.0 |
| 1 | | | | | | | 0.4' – 2' – Silty SAND, fine-medium sand, some coarse sand, trace gravel, trace rock fragments | | | |
| | | | | | | | | | | |
| 2 | | | | | | | | | | |
| | | 1.2' / 2.0' | SBP-SO-713-0204 Screening 1/20/04 @ 0915 | | | Dark Brown | 0' – 2' - Silty SAND, fine-medium sand, some coarse sand, pieces of plastic | | Dry-moist Plastic | FID=0.0 PID=0.0 |
| 3 | | | | | | | | | | |
| | | | | | | | | | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track-mounted rig number 1 | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Continuous to 4 foot / 2 foot intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I FID – B PID – B Flag Number 333 | BORING NO.: 713 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 714 |
| PROJECT NO.: | N1369 | | | START DATE: | 01/20/04 |
| LOGGED BY: | C. Rousseau/Neb Dedic | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 01/20/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/D. Gooley | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.8' / 2.0' | SBP-SO-714-0002 Screening 1/20/04 @ 0940 | | Loose | Reddish-Brown | 0' – 1.3' - Silty SAND, fine-medium sand, some coarse sand, trace gravel | SM | Dry No odors | FID=0.0 PID=0.0 |
| 1 | | | | | | | | | | |
| 2 | | | | | | Black | 1.3' – 2' - SAND and GRAVEL, medium-coarse sand, trace fine sand | SW | | |
| | | 1.5' / 2.0 | SBP-SO-714-0204 Screening 1/20/04 @ 0950 | | | Reddish-Brown | 0' – 0.3' - Silty SAND, fine-medium sand, some coarse sand trace gravel | SM | Dry-moist Organics | FID=18.2 PID=0.0 |
| 3 | | | | | | Black | 0.3' – 2.0' - Silty SAND, fine-medium sand, some coarse sand, wood fragments and organics | | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track – mounted Rig number 1 | | *Tetra Tech NUS, Inc.* |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Continuous to 4 foot/ 2foot intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I FID-E PID-B Flag Number 321 | BORING NO.: 714 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 715 |
| PROJECT NO.: | N1369 | START DATE: | 1/20/04 |
| LOGGED BY: | C. Rousseau/Neb Dedic | TRANSCRIBED BY: DH | COMPLETION: DATE: 1/20/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 2.0' / 2.0' | SBP-SO-715-0002 Screening 1/20/04 @ 1105 | | | Brown | 0 – 4" Topsoil, grass and roots | SM/Fill | Dry – moist PACM fibers 0.5-1.0' | FID=0.0 PID=0.0 |
| 1 | | | | | | | 0.3' – 1.7' - Silty SAND, fine-medium sand, some coarse sand, trace gravel, trace organics | | | |
| | | | | | | | | | | |
| 2 | | | | | | Grayish | 1.7' – 2.0' - Silty SAND, fine-medium sand | | | |
| | | 1.3' / 2.0' | SBP-SO-715-0204 Screening 1/20/04 @ 1135 | | | Light-Brown | 0' – 1.3' - Silty SAND, fine-medium sand, some coarse sand | | Moist Glass fragments, paper, Metal pieces | FID = 232 |
| 3 | | | | | | | | | | FID=78.0 PID=0.0 |
| | | | | | | | | | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track – mounted Rig number 1 | | *Tetra Tech NUS, Inc.* |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Continuouw to 4' / 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I FID=E PID=B Flag Number 794 | BORING NO.: 715 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 716 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/20/04 |
| LOGGED BY: | C. Rousseau/Neb Dedic | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 1/20/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | | | | |
| | | 2.0' / 2.0' | SBP-SO-716-0002 Screening 1/20/04 @ 1205 | | Loose | Reddish-Brown | 0' – 0.3' –TOPSOIL, grass, roots | SM/Fill | Dry-moist, glass fragments | FID=135 PID=0.0 |
| 1 | | | | | | | 0.3' – 1.6' - Silty SAND, fine-medium sand, some coarse sand, trace gravel / rock fragments | | | |
| 2 | | | | | | Grayish | 1.6' – 2.0' - Coarse SAND, some medium sand | SP/Fill | | |
| | | 1.0 / 2.0 | SBP-SO-716-0204 Screening 1/20/04 @ 1215 | | | Grayish-Brown | 0' – 0.2' - Coarse SAND, some medium sand | | Moist-wet, metal, wood fragments Organic odor Plastic | FID=234 PID=0.0 |
| 3 | | | | | | | 0.2' – 1.0' - Silty SAND, fine-medium sand, some coarse sand, trace organics, wood fragments, slight organic odor | SM/Fill | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track – mounted Rig number 1 | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Continuous to 4' / 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I FID=E PID=B Flag Number 795 | BORING NO.: 716 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 717 |
| PROJECT NO.: | N1369 | START DATE: | 1/20/04 |
| LOGGED BY: | C.Rousseau/Neb Dedic | TRANSCRIBED BY: DH | COMPLETION: DATE: 1/20/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 2.0' / 2.0' | SBP-SO-717-0002 Screening 1/20/04 @1405 | | Loose | Light Brown | 0' – 0.2' - TOPSOIL, grass, roots, shell fragments | | Dry-moist No odor Shell fragments | FID=0.0 PID=0.0 |
| 1 | | | | | | Brown | 0.2' – 1.0' - Fine-medium SAND, trace silts, shell fragments | SP/Fill | | |
| | | | | | | Orange Brown | 1.0' – 1.7' - Silty SAND, fine-medium sand, trace coarse sand | SM/Fill | | |
| 2 | | | | | | Dark Brown | 1.7' – 2.0' - Silty SAND, fine-medium sand, trace coarse sand | | | |
| | | 1.5' / 2.0' | SBP-SO-717-0204 Screening 1/20/04 @ 1415 | | | Brown | 0' – 0.9' - Silty SAND, fine-medium sand, some coarse sand, trace gravel | | Dry-moist Glass fragments | FID=322 PID=0.0 |
| 3 | | | | | | Green | 0.9' – 1.0' - Lens of green glass | Fill | | |
| | | | | | | Brown | 1.0' – 1.5' - Silty SAND, fine-medium sand, some pieces of paper | SM/Fill | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track -mounted rig number 1 | | *Tetra Tech NUS, Inc.* |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Continuous to 4'/2' interval | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I FID=D PID=B Flag number 796 | BORING NO.: 717. | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 718 |
| PROJECT NO.: | N1369 | START DATE: | 1/20/04 |
| LOGGED BY: | C.Rousseau/Neb Dedic | TRANSCRIBED BY: DH | COMPLETION: DATE: 1/20/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 2.0' / 2.0' | SBP-SO-718-0002 Screening 1/20/04 @ 1425 | | Loose | Brown | 0' – 2' - Medium-coarse SAND, some fine sand, trace silt, trace gravel, shell fragments | SW/Fill | Dry-moist No odor Shell fragments | FID=0.0 PID=0.0 |
| 1 | | | | | | | | | | |
| 2 | | | | | | | | | | |
| | | 1.5' / 2.0' | SBP-SO-718-0204 Screening 1/20/04 @ 1440 | | | | 0 – 0.5' - Medium-coarse SAND, some fine sand | | Dry-moist Glass fragments Shell fragments | FID=138 PID=0.0 |
| 3 | | | | | | | 0.5' – 1.5' - Silty SAND, fine-medium sand, some coarse sand, trace gravel | SM/Fill | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted rig number 1 |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Continuous to 4' / 2' intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID=D PID=B Flag Number 798 |

BORING NO.: 718

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 719 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/20/04 |
| LOGGED BY: | C. Rousseau/Neb Dedic | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 1/20/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.7' / 2.0' | SBP-SO-719-0002 Screening 1/20/04 @ 1445 | | Loose | Light Brown | 0' – 1.7' - SAND, medium-coarse sand, trace fine sand, trace organic material (reeds) | SW | Dry-moist Shell fragments | FID=0.0 PID=0.0 |
| 1 | | | | | | | | | | |
| 2 | | | | | | | | | | |
| | | 1.5' / 2.0' | SBP-SO-719-0204 Screening 1/20/04 @ 1450 | | | | 0' – 0.3' - Medium-coarse SAND, trace fine sand, trace organics | | Dry-moist Organics | FID=464 PID=0.0 |
| 3 | | | | | | Black | 0.3' – 1.5' - Silty SAND, fine-medium sand, trace coarse sand, some organics, wood material | SM | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted rig number 1 | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Continuous to 4' / 2' interval | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I FID=D PID=B Flag Number 797 | BORING NO.: 719 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 720 |
| PROJECT NO.: | N1369 | START DATE: | 1/20/04 |
| LOGGED BY: | C. Rousseau | TRANSCRIBED BY: DH | COMPLETION: DATE: 1/20/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 2.0' / 2.0' | SBP-SO-720-0002 Screening 1/20/04 @ 1540 | | Loose | Brown | 0' – 0.2' - Topsoil, grass, roots<br>0.2' – 0.7' - Sandy SILT, fine-medium sand, trace coarse sand | ML | Dry-moist Unknown fibrous material | FID=0.0 PID=0.0 |
| 1 | | | | | | Gray | 0.7' – 1.3' - Silty SAND, fine-medium sand, some coarse sand | SM | | |
| 2 | | | | | | Dark Brown/Black | 1.3' – 2' - Silty SAND, fine-medium sand, some coarse sand, trace organics | | | |
| | | 1.9' / 2.0' | SBP-SO-720-0204 Screening 1/20/04 @ 1550 | | | Dark Brown | 0' – 0.9' - Silty SAND, fine-medium sand, some coarse sand, trace organics (wood fragments) | | Dry-moist Organics, wood, rock fragments | FID=190 PID=2.6 |
| 3 | | | | | | | | | | |
| | | | | | | | 0.9' – 1.9' – Medium-coarse SAND, some fine sand, trace silt, trace organics | | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Truck- mounted rig number 1 |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Continuous to 4' / 2' interval |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID=D PID=B Flag number 799 |

BORING NO.: 720

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 721 |
| PROJECT NO.: | N1369 | | | START DATE: | 01/21/04 |
| LOGGED BY: | C. Rousseau/Neb Dedic | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 01/21/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 2.0' / 2.0' | SBP-S0-721-0002 Screening 1/21/04 @ 0910 | | Loose | Brown | 0' – 1.1' - Silty SAND, fine-medium sand, some coarse sand, trace organic (grass) | SM/Fill | Dry-moist No odor Wood fragments | FID=2.7 PID=0.8 |
| 1 | | | | | | | | | | |
| | | | | | | | 1.1' – 1.9' - Fine-medium SAND, some silt, trace coarse sand | | | |
| 2 | | | | | | | 1.9' – 2.0' - Wood fragments, dark brown | Fill | | |
| | | 1.0' / 2.0' | SBP-SO-721-0204 Screening 1/21/04 @ 0935 | | | Brown | 0' – 0.3' - Fine-medium SAND, some silt, trace coarse sand | SM/Fill | Dry-moist No odor Wood fragments | FID=778 PID=12.8 |
| 3 | | | | | | Grayish | 0.3' – 0.75' - Fine-medium SAND, some silt, trace coarse sand | | | |
| 4 | | | | | | Dark Brown | 0.75' – 1.0' - Wood fragments | Fill | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Continuous to 4'/2' interval sampling | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I FID=C PID=C Flag number 801 | BORING NO.: 721 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 722 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/21/04 |
| LOGGED BY: | C. Rousseau/Neb Dedic | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 1/21/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 2.0' / 2.0' | SBP-SO-722-0002 Screening 1/21/04 @ 0955 | | Loose | Brown | 0' – 0.7' - TOPSOIL, grass, roots | | Dry-moist No odor | FID=0.0 PID=0.0 |
| 1 | | | | | | | 0.7' – 2.0' - Sandy SILT, fine-medium sand, some coarse sand, trace silt trace gravel | SM/Fill | Dry | |
| 2 | | | | | | | | | | |
| | | 2.0' / 2.0' | SBP-SO-722-0204 Screening 1/21/04 @ 1005 | | | Light Brown | 2.0' – 2.8' - Sandy SILT, fine-medium sand, some coarse sand, trace silt | | Moist No odor 2.0'-2.8' Shell | FID=793 PID=102 |
| 3 | | | | | | | | | | |
| | | | | | | Dark Brown/Black | 2.8' – 4.0' - Silty SAND, fine-medium sand, mostly fine sand and silts, trace coarse sand, PACM observed, fibrous material | | Moist, slight odor 2.8' – PACM | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4 bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4X4 Mule | | *Tetra Tech NUS, Inc.* |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | Note: | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Continuous to 4'/2' sample intervals | PACM = Potential asbestos containing material | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I FID=C PID=C Flag Number 800 | BORING NO.: 722 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 723 |
| PROJECT NO.: | N1369 | START DATE: | 1/21/04 |
| LOGGED BY: | C. Rousseau/Neb Dedic | COMPLETION: DATE: | 1/21/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JL |

TRANSCRIBED BY: DH

ELEVATION FROM:

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 2.0' / 2.0' | SBP-SO-723-0002 Screening 1/21/04 @ 1020 | | Medium Dense | Red | 0.0' – 0.9' - Silty SAND, fine-medium sand, trace coarse sand, trace gravel | SM/Fill | Dry | FID=21.0 PID=1.4 |
| 2 | | | | | | Dark Brown-Black | 0.9' – 2.0' - Silty SAND, fine-medium sand, trace coarse sand, trace gravel, PACM, fibrous material (chunks difficult to break apart) | | PACM noted at 0.9'-2.0' dark material Shell fragments | |
| 3 | | 1.5' / 2.0' | SBP-SO-723-0204 Screening 1/21/04 @ 1030 | | | Reddish | 2.0' – 2.2' - Same material as noted at 0.0 -0.9' FID=44.3 | | Dry-moist No odor | FID=44.3 FID=37.9 |
| | | | | | | Dark Brown-Gray | 2.2' – 4.0' - Silty SAND, fine-medium sand, trace coarse sand, moist, FID=37.9 | | | PID=0.0 |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4X4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | Note: | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Continuous to 4' / 2' sample interval | PACM = Potential asbestos containing material | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I FID=C PID= C Flag Number 803 | BORING NO.: 723 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 724 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/21/04 |
| LOGGED BY: | C. Rousseau/Neb Dedic | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 1/21/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 1.9' / 2.0' | SBP-SO-724-0002<br>Screening<br>1/21/04 @ 1045 | | Medium Dense | Red | 0.0' – 1.9' - Silty SAND, fine-medium sand, some coarse sand, trace gravel | SM/Fill | Dry-moist<br>No odor<br>No PACM observed | FID=25.0<br>PID=0.0 |
| 2 | | | | | | | | | | |
| 3 | | 1.4' / 2.0' | SBP-SO-724-0204<br>Screening<br>1/21/04 @1050 | | | | 2.0' – 2.3' - Same material as noted at 0.0' – 1.9' | | Dry-moist 2.0'-2.3' | FID=720<br>PID=5.3 |
| 4 | | | | | | Dark Brown - Greenish | 2.3' – 3.4' - Fine-medium SAND, some coarse sand, trace gravel, trace silt, pieces of wire, pieces of rubber | SW/Fill | Dry-moist 2.3' – 3.4'<br>Piece of wire, rubber | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4X4 Mule | | *Tetra Tech NUS, Inc.* |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | Note: | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Continuous to 4' / 2' sample interval | PACM = Potential asbestos containing material | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I FID= C PID= C Flag Number 802 | BORING NO.: 724 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 725 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/21/04 |
| LOGGED BY: | C. Rousseau/Neb Dedic | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 1/21/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 2.0' / 2.0' | SBP-SO-725-0002 Screening 1/21/04 @ 1105 | | Loose-Medium | Black-Red | 0.0' – 1.0' - Silty SAND, fine-medium sand, some silt, trace coarse sand | SM/Fill | Dry-moist No odor noted | FID=0.0 PID=0.0 |
| 1 | | | | | Dense | | | | | |
| | | | | | Loose | Grayish | 1.0' – 2.0' - Fine-medium SAND, trace coarse sand | | | |
| 2 | | | | | | | | | | |
| | | 2.0' / 2.0' | SBP-SO-725-0204 *CONFIRMATORY* 1/21/04 @ 1115 | | | Grayish/ Red | 2.0' – 2.5' - Same material as noted at 1.0' – 2.0' | | Dry-moist No odor PACM noted from 2.5' – 3.5' | |
| 3 | | | | | | Black | 2.5' – 3.5' - Silty SAND, fine-medium sand, trace coarse sand, PACM - fibrous | | | |
| | | | | | | | | | | FID=930 PID=0.0 |
| 4 | | | | | | | 3.5' – 4.0' - Silty SAND, fine-medium sand, some coarse sand, trace gravel, no visible waste material | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4X4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | Note: | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Continuous to 4' / 2' sample interval | PACM = Potential asbestos containing material | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I FID= C PID= C Flag Number 804 | BORING NO.: 725 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 726 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/21/04 |
| LOGGED BY: | C. Rousseau/Neb Dedic | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 1/21/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 2.0' / 2.0' | SBP-SO-726-0002 Screening 1/21/04 @ 1400 | | Loose | Brown/ Red | 0.0' – 0.2' - Snow, organics<br>0.2' – 0.5' - TOPSOIL, grass, roots, organic | | Dry-moist<br>No odor<br>Organics | FID=0.8<br>PID=0.0 |
| 1 | | | | | | | 0.5' – 1.2' - Silty SAND, fine-medium sand, trace coarse sand, trace organics (roots) | SM/Fill | | |
| | | | | | | Gray | 1.2' – 2.0' - Fine-medium SAND, trace silts | SP/Fill | | |
| 2 | | | | | | | | | | |
| | | 2.0' / 2.0' | SBP-SO-726-0204 Screening 1/21/04 @ 1415 | | | Dark Brown/ Black | | | | |
| 3 | | | | | | | 2.2' – 3.7' - SAND and GRAVEL with silt, medium-coarse sand, some fine sand, trace gravel, trace organics (roots) | SW/Fill | Dry- moist | FID=160<br>PID=0.0 |
| | | | | | | | | | Slight odor<br>Organics (roots)<br>Paper material | |
| 4 | | | | | | | 3.7' – 4.0' – PAPER material, silty SAND | SM/Fill | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4X4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Continuous to 4' / 2' sample interval | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I FID= C PID= C Flag Number 805 | BORING NO.: 726 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 727 |
| PROJECT NO.: | N1369 | START DATE: | 1/21/04 |
| LOGGED BY: | C. Rousseau/Neb Dedic | TRANSCRIBED BY: DH | COMPLETION: DATE: 1/21/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 2.0' / 2.0' | SBP-SO-727-0002 Screening 1/21/04 @ 1425 | | Loose | Brown | 0.0' – 0.4' – TOPSOIL, grass, roots | | Dry No odor No visible waste | FID=0.0 PID=0.0 |
| 1 | | | | | | | 0.4' – 1.4' – Silty SAND, fine-medium sand, some coarse sand | SM | | |
| | | | | | | | | | | |
| 2 | | | | | | | 1.4' – 2.0' - Medium-coarse SAND, some fine sand, trace gravel, trace silt | SW | | |
| | | 1.7' / 2.0' | SBP-SO-727-0204 Screening 1/21/04 @ 1430 | | | Light Brown/ Grayish | 2.0' – 2.9' - Medium–coarse SAND, some fine sand, trace gravel trace silts | | Dry-moist No odor No visible waste | FID=13.0 PID=0.0 |
| 3 | | | | | | | | | | |
| | | | | | | Black | 2.9' – 3.7' - ORGANICS, silty SAND, fine-medium sand, some silt | SM | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| | | | | | |
|---|---|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4X4 Mule | | | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Continuous to 4' / 2' sample interval | | | | |
| METHOD OF ROCK CORING: | N/A | | | | |
| GROUNDWATER LEVELS: | | | | | |
| OTHER OBSERVATIONS: | Phase I | FID= C | PID= C | Flag Number 806 | BORING NO.: 727 |



TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 728 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/21/04 |
| LOGGED BY: | C. Rousseau/Neb Dedic | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 1/21/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0.0' – 0.3' - Snow pack | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 2.0' / 2.0' | SBP-SO-728-0002 Screening 1/21/04 @ 1440 | | Loose | Brown | 0.3' – 1.4' - Silty SAND, fine-medium sand, some coarse sand, trace organics (roots), trace gravel | SM | Dry No odor No visible waste | FID=0.0 PID=0.0 |
| 1 | | | | | | | | | | |
| | | | | | Medium Dense | | 1.4' – 2.0' - Silty SAND, fine-medium sand, trace coarse sand | | | |
| 2 | | | | | | Dark Brown | | | | |
| | | 1.5' / 2.0' | SBP-SO-728-0204 Screening 1/21/04 @ 1450 | | Loose | Light Brown/ Grayish | 2.0' – 2.6' - Silty SAND, fine-medium sand, trace coarse sand | | Dry-moist No odor No visible waste | |
| 3 | | | | | | Black | 2.6' – 3.5' - Silty SAND, fine-medium sand, trace coarse sand, organics | | | |
| | | | | | | | | | | FID=375 PID=0.0 |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| | | | | | |
|---|---|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4X4 Mule | | | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Continuous to 4' / 2' sample interval | | | | |
| METHOD OF ROCK CORING: | N/A | | | | |
| GROUNDWATER LEVELS: | | | | | |
| OTHER OBSERVATIONS: | Phase I FID=C PID= C Flag Number 807 | | | BORING NO.: 728 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 729 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/21/04 |
| LOGGED BY: | C. Rousseau/Neb Dedic | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 1/21/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 2.0' / 2.0' | SBP-SO-729-0002 Screening 1/21/04 @ 1500 | | Loose | Brown | 0.0' – 0.6' - TOPSOIL, grass, roots | | Dry No odor No visible waste | FID=90 PID=0.0 |
| 1 | | | | | | Light Brown | 0.6' – 2.0' - Medium-coarse SAND, some gravel, trace fine sand | SW | | |
| 2 | | | | | | | | | | |
| | | 1.6' / 2.0' | SBP-SO-729-0204 Screening 1/21/04 @ 1508 | | | | 2.0' – 2.5' - Medium-coarse SAND, some gravel, trace fine sand | | Dry-moist No odor No visible waste | FID=620 PID=0.0 |
| 3 | | | | | | | 2.5' – 2.6' - Rock fragment | --- | | |
| | | | | | | Grayish | 2.6' – 3.6' - Medium-coarse SAND, some fine sand, trace silt | SW | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4X4 Mule | | *Tetra Tech NUS, Inc.* |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Continuous to 4' / 2' sample interval | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I FID= C PID= C Flag Number 808 | BORING NO.: 729. | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 730 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/21/04 |
| LOGGED BY: | C. Rousseau/Neb Dedic | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 1/21/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 2.0' / 2.0' | SBP-SO-730-0002 Screening 1/21/04 @ 1520 | | Medium Dense | Brown | 0.0 – 0.4' - TOPSOIL, grass, roots | SM | Dry-moist No odor No visible waste | FID=0.0 PID=0.0 |
| 1 | | | | | | | 0.4' – 1.3' - Silty SAND, fine-medium sand, trace coarse sand, trace organics (roots) | | | |
| | | | | | Loose | Light Brown | 1.3' – 2.0' - Silty SAND, fine-medium sand, some coarse sand, trace gravel, trace organics (roots) | | | |
| 2 | | | | | | | | | | |
| | | 1.8' / 2.0' | SBP-SO-730-0204 Screening and Confirmation 1/21/04 @ 1525 | | | Brown | 2.0' – 2.4' - Coarse sand, some medium sand, trace fine sand, trace organics (roots) | SW | Dry-moist No odor No visible waste | FID=0.0 PID=0.0 |
| 3 | | | | | | | | | | |
| | | | | | | | 2.4' – 3.8' - Silty SAND, fine-medium sand, trace coarse sand | SM | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | | |
|---|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4X4 Mule | | | *Tetra Tech NUS, Inc.* |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Continuous to 4' / 2' sample interval | | | |
| METHOD OF ROCK CORING: | N/A | | | |
| GROUNDWATER LEVELS: | | | | |
| OTHER OBSERVATIONS: | Phase I FID= C PID= C Flag Number 809 | BORING NO.: 730 | | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | BORING NO.: 731 |
| PROJECT NO.: | N1369 | | START DATE: 1/21/04 |
| LOGGED BY: | C. Rousseau/Neb Dedic | TRANSCRIBED BY: DH | COMPLETION: DATE: 1/21/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 2.0' / 2.0' | SBP-SO-731-0002 Screening 1/21/04 @ 1540 | | Loose | Brown | 0.0 – 0.5' - Topsoil, grass, roots, silty sand | SM | Dry-moist, No odor No visible waste, numerous rock fragments and coarse gravel | FID=0.0 PID=0.0 |
| | | | | | | | 0.5' – 0.7' - ROCK fragments | ---- | | |
| 1 | | | | | | | 0.7' – 1.2' - Silty SAND, fine-medium sand, some coarse sand | SM | | |
| | | | | | | Brown/ Grayish | 1.2' – 2.0' - SAND and GRAVEL, medium-coarse sand, some gravel, rock fragments | SP | | |
| 2 | | | | | | | | | | |
| | | 1.8' / 2.0 | SBP-SO-731-0204 Screening 1/21/01 @ 1550 | | | | 2.0'- 2.7' - Medium-coarse SAND, some gravel, rock fragments | | | FID=0.0 PID=0.0 |
| 3 | | | | | | | 2.7' - 3.0' - ROCK fragment, coarse gravel | GP | Dry-moist, No odor | |
| | | | | | | Brown | 3.0' – 3.8' - Sandy SILT, medium-coarse sand, some fine sand, trace silt, trace gravel | SM | No visible waste, numerous rock fragments | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | |
|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4X4 Mule | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Continuous to 4' / 2' sample interval | |
| METHOD OF ROCK CORING: | N/A | |
| GROUNDWATER LEVELS: | | |
| OTHER OBSERVATIONS: | Phase I FID= C PID= C Flag Number 811 | BORING NO.: 731 |



TtNUS Form 0018

BORING LOG FOR: Raymark OU9 RI/FS
PROJECT NO.: N1369
LOGGED BY: C. Rousseau/Neb Dedic
DRILLED BY (Company/Driller): Aquifer Drilling & Testing/D. Gooley
GRD. SURFACE ELEVATION:

TRANSCRIBED BY: DH
ELEVATION FROM:

BORING NO.: 732
START DATE: 1/19/04
COMPLETION: DATE: 1/19/04
MON. WELL NO.: N/A
CHECKED BY: JL

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 1.8' / 2.0' | SBP-SO-732-0002 Screening 1/19/04 @ 1505 | | Medium Dense | Red/ Brown | 0.0' – 0.4' - Topsoil, grass, roots<br>0.4' – 1.8' - Silty SAND, fine-medium sand, some coarse sand, trace gravel | SM | Dry-moist No odor No visible waste | FID=0.0 PID=0.0 |
| 2 | | | | | | | | | | |
| 3 | | 1.6' / 2.0' | SBP-SO-732-0204 Screening 1/19/04 @ 1515 | | Loose | Greenish | 2.0' – 2.7' - Fine-medium SAND, some coarse sand, rock fragments, trace gravel | SW | Dry-moist No odor No visible waste fabric material | FID=0.0 PID=0.0 |
| | | | | | | Brown-Dark Brown | 2.7' – 3.1' - Silty SAND, fine-medium sand, trace gravel | SM | | |
| 4 | | | | | | Grayish-Black | 3.1' – 3.4' - Organics, roots, fine-medium SAND, trace gravel, some coarse sand | SW/Fill | | |
| | | | | EOB @ 4' bgs | | | | | | |

TYPE OF DRILLING RIG: GEOPROBE – 4X4 Mule
METHOD OF ADVANCING BORING: DIRECT- PUSH
METHOD OF SOIL SAMPLING: MACRO-CORE Continuous to 4' / 2' sample interval
METHOD OF ROCK CORING: N/A
GROUNDWATER LEVELS:
OTHER OBSERVATIONS: FID=B PID= B Flag number 793

BORING NO.: 732

Tetra Tech NUS, Inc.



TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 733 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/22/04 |
| LOGGED BY: | C. Rousseau/Neb Dedic | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 1/22/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/D. Gooley | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 2.0' / 2.0' | SBP-SO-733-0002 Screening 1/22/04 @ 0820 | | Loose | Red | 0' - 2.0' - Silty SAND, fine-medium sand, some coarse sand, trace gravel, dry-moist | SM | Dry-moist No odor No visible waste | FID=88.0 PID=0.0 |
| 1 | | | | | | | | | | |
| | | | | | | | | | Dry-moist, no odor, no visible waste | FID=415 PID=0.0 |
| 2 | | | | | | | | | | |
| | | 2.0' / 2.0' | SBP-SO-733-0204 Screening 1/22/04 @ 0825 | | | | 2.0' - 2.4' - Same material as noted from 0' - 2.0' | | | |
| 3 | | | | | | Black | 2.5' – 3.0' - Silty SAND, fine-medium sand, some silt, FID=415 ppm PACM noted, fibrous material | SM/Fill | 2.5' - 3.0' PACM noted FID=418 ppm | |
| | | | | | | Dark Brown/ Black | 3.0' – 4.0' - Silty SAND, fine-medium sand, trace coarse sand, trace organics (roots) | SM | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4X4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | Note: | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Continuous to 4' / 2' sample interval | PACM= Potential Asbestos Containing Material | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | FID= C PID= C Flag number 810 | BORING NO.: 733 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 734 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/22/04 |
| LOGGED BY: | C. Rousseau/Neb Dedic | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 1/22/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Surface = Asphalt | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.8' / 2.0' | SBP-SO-734-0002 Screening 1/22/04 @ 0843 | | Loose | Red | 0' - 1.2' - Silty SAND, fine-medium sand, trace coarse sand, some silt | SM | Dry-moist, No odor, Metal pieces 1.2'-1.8' | FID=120 PID=0.0 |
| 1 | | | | | | | | | | |
| | | | | | | Brown | 1.2' – 1.8' - Fine-medium SAND, some coarse sand, trace silts, metal pieces | | | |
| 2 | | | | | | | | | | |
| | | 1.5' / 2.0' | SBP-SO-734-0204 Screening 1/22/04 @ 0850 | | | Red | 2.0' – 2.4' - Sluff material from 0-2.0' interval | | | |
| 3 | | | | | | | | | | |
| | | | | | | Dark Brown-Black | 2.4' – 3.5' - Silty SAND, fine-medium sand, some coarse sand, trace gravel, plastic and paper material, FID=428 ppm | SM/Fill | Dry-moist, no odor Piece of plastic Paper material | FID=428 PID=0.0 |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4X4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Continuous to 4' / 2' sample interval | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | FID=C PID= C Flag number 361 | BORING NO.: 734 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 735 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/22/04 |
| LOGGED BY: | C. Rousseau/Neb Dedic | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 1/22/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.8' / 2.0' | SBP-SO-735-0002<br>Screening<br>1/22/01 @ 0945 | | Loose | | 0' - 0.3' - Snow packed<br>0.3' - 0.9' - Gravel, rock fragments | GP | Dry<br>No odor<br>No visible waste | FID=0.0<br>PID=0.0 |
| 1 | | | | | | | | | | |
| | | | | | | Red | 0.9' - 1.8' - Silty SAND, fine- medium sand, some coarse sand, trace gravel | SM | | |
| 2 | | | | | | | | | | |
| | | 2.0' / 2.0' | SBP-SO-735-0204<br>*Duplicate Sample*<br>1/22/04 @ 0950 | | | Red | 2.0' - 2.8' - Same material as noted at 0.9'-1.8' | | Dry-moist, possible asphalt at 2.8'-3.6' | FID=228<br>PID=0.0 |
| 3 | | | | | | Black | 2.8' - 3.6' - Silty SAND, fine-medium sand, some coarse sand, trace organics, possible asphalt | SM/Fill | | |
| | | | | | | | | | Slight odor | |
| 4 | | | | | | Grayish/ Green | 3.6' - 4.0' - Fine-medium SAND, trace silt, trace organics | SM | | |
| | | | | EOB @ 4' bgs | | | First attempt 0.2' interval 0.0' recovery | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4X4 Mule | | *Tetra Tech NUS, Inc.* |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Continuous to 4' / 2' sample interval | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | FID=C PID= C Flag number 831 | BORING NO.: 735 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 736 |
| PROJECT NO.: | N1369 | START DATE: | 1/22/04 |
| LOGGED BY: | C. Rousseau/Neb Dedic | COMPLETION: DATE: | 1/22/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/D. Gooley | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JL |

TRANSCRIBED BY: DH

ELEVATION FROM:

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | NA | | | | | | | | | |
| | | 2.0' / 2.0' | SBP-SO-736-0002 Screening 1/22/04 @ 1013 | | Loose | Brown | 0' - 0.9' - Organic material, roots, mulch material, silty SAND, fine-medium sand | SM | Dry No odor No visible waste | FID=0.0 PID=0.0 |
| 1 | | | | | | | | | | |
| | | | | | | Reddish/ Brown | 0.9' - 2.0' - SAND with silt and gravel, fine-medium sand, some gravel, some silt, trace organics | | | |
| 2 | | | | | | | | | | |
| | | 1.9' / 2.0' | SBP-SO-736-0204 Screening 1/22/04 @ 1022 | | | Reddish/ Brown | 2.0' - 2.6' - Same material as noted from 0.9'-2.0' | | Dry-moist, no odor | |
| 3 | | | | | | Dark Brown/ Gray | 2.6' - 4.0' - Silty SAND, fine-medium sand, some coarse sand, trace gravel | SM/Fill | piece of plastic, paper material, piece of metal | |
| 4 | | | | | | | | | | FID=172 PID=6.3 |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4X4 Mule |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Continuous to 4' / 2' sample interval |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | FID=C PID= C Flag number 816 |

BORING NO.: 736

*Tetra Tech NUS, Inc.*

PAGE: 1 OF 1

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 737 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/22/04 |
| LOGGED BY: | C. Rousseau/Neb Dedic | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 1/22/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/D. Gooley | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.7' / 2.0' | SBP-SO-737-0002 Screening 1/22/04 @ 1035 | | Loose | Dark Brown | 0' - 0.8' - SAND with silt and gravel, fine-medium sand, some coarse sand. Some gravel, rock fragments | SM | Dry No odor No visible waste Several 2" rocks | FID=0.0 PID=0.0 |
| 1 | | | | | | Red | 0.8' - 1.7' - Silty SAND, fine-medium sand, some coarse sand, some gravel, rock fragments | | | |
| 2 | | | | | | | | | | |
| 3 | | 2.0' / 2.0' | SBP-SO-737-0204 *Confirmatory Sample 1/22/04 @ 1040 | | | | 2.0' - 3.1' - Same material as noted above (0.8'-1.7') | | | |
| 4 | | | | | | Brown/ Grayish | 3.1' - 3.7' - Silty SAND, fine-medium sand, some coarse sand, trace rock fragments | | Dry-moist No odor Plastic, glass, paper, rubber material | |
| | | | | | | Black | 3.7' - 4.0' - Silty SAND, fine-medium sand, trace coarse sand, plastic, paper material, glass, rubber material in separate bag | SM/Fill | | FID=34.5 PID=0.0 |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4X4 Mule | Note: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | * = Confirmatory sample collected at 0204 interval | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Continuous to 4' / 2' sample interval | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | FID= C PID= C Flag number 812 | BORING NO.: 737 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | |
| PROJECT NO.: | N1369 | | |
| LOGGED BY: | C. Rousseau/Neb Dedic | TRANSCRIBED BY: | DH |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/D. Gooley | | |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | |

| | |
|---|---|
| BORING NO.: | 738 |
| START DATE: | 1/22/04 |
| COMPLETION: DATE: | 1/22/04 |
| MON. WELL NO.: | N/A |
| CHECKED BY: | JL |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | NA | | | | | | | | | |
| | | 2.0' / 2.0' | SBP-SO-738-0002 Screening 1/22/04 @ 1105 | | Loose | Black | 0' - 0.6' - Silty SAND, fine-medium sand, some coarse sand, trace gravel, rock fragments | SW | Dry-moist No odor No visible waste | FID=0.0 PID=0.0 |
| 1 | | | | | | Red | 0.6' - 1.3' - Silty SAND, fine-medium sand, trace coarse sand, trace rock fragments | SM | | |
| | | | | | | Brown | 1.3' - 1.6' - Silty SAND, fine-medium sand, trace coarse sand, trace rock fragments | | | |
| 2 | | | | | | Dark Brown | 1.6' - 2.0' - Same as above | | | |
| | | 1.5' / 2.0' | SBP-SO-738-0204 Screening 1/22/04 @ 1115 | | | Red | 2.0' - 2.3' - Silty SAND, sluff from above | | Dry-moist No odor | |
| 3 | | | | | | Black | 2.3' - 3.0' - SAND with silt, and gravel, medium-coarse sand, some fine sand, trace gravel | SW | | FID=68.0 PID=3.3 |
| | | | | | | | 3.0' - 3.5' - Silty SAND, fine-medium sand, trace coarse sand, trace clay, glass fragments, rubber, FID=68.0, PID=3.3 | SM/Fill | Glass fragments, pieces of rubber | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4X4 Mule |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Continuous to 4' / 2' sample interval |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | FID= C PID= C Flag number 814 |

BORING NO.: 738

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | BORING NO.: 739 |
| PROJECT NO.: | N1369 | | START DATE: 1/22/04 |
| LOGGED BY: | C. Rousseau/Neb Dedic | TRANSCRIBED BY: DH | COMPLETION: DATE: 1/22/04 |
| DRILLED BY (Company/Driller): | AQUIFER DRILLING & TESTING/D. Gooley | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.8' / 2.0' | SBP-SO-739-0002 Screening 1/22/04 @ 1132 | | Loose | Red | 0' - 0.7' - Silty SAND, fine-medium sand, trace coarse sand | SM | Dry No odor No visible waste | FID=0.0 PID=0.0 |
| 1 | | | | | | Brown | 0.7'- 1.2' - SAND with silt and gravel, fine-coarse sand, some gravel, trace silts | SW | | |
| | | | | | | ----- | 1.2' - 1.5' - Layered rock fragments | ----- | | |
| 2 | | | | | | Greenish/ Gray | 1.5' - 1.8' - Fine-medium SAND, some silt | SM | | |
| | | 2.0' / 2.0' | SBP-SO-739-0204 Screening 1/22/04 @ 1140 | | | | 2.0' - 3.4' - Silty SAND, fine-medium sand, some silt, trace coarse sand | | Dry-moist No odor No visible waste | FID=33 PID=0.0 |
| 3 | | | | | | | | | | |
| | | | | | | Dark Brown/ Black | 3.4'-4.0' - Silty SAND, fine-medium sand, some silt, trace coarse sand, FID = 33 ppm | | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4X4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Continuous to 4' / 2' sample interval | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | FID=C PID= C Flag number 815 | BORING NO.: 739 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 740 |
| PROJECT NO.: | N1369 | START DATE: | 1/22/04 |
| LOGGED BY: | C. Rousseau/Neb Dedic | COMPLETION: DATE: | 1/22/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/D. Gooley | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JL |
| TRANSCRIBED BY: | DH | | |
| ELEVATION FROM: | | | |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 2.0' / 2.0' | SBP-SO-740-0002 Screening 1/22/04 @ 1147 | | Loose | Red | 0' - 0.9' - Silty SAND, fine-medium sand, trace coarse sand, trace gravel | SM | Dry-moist No odor No visible waste | FID=0.0 PID=0.0 |
| 2 | | | | | | Greenish Gray | 0.9' - 2.0' - Fine-medium SAND, trace coarse sand | SW | | |
| 3 | | 1.5' / 2.0' | SBP-SO-740-0204 Screening 1/22/04 @ 1155 | | | | 2.0' - 2.3' - Same material as above | | Dry-moist Slight odor Glass fragments, plastic, metal at 3.1-3.5 | FID=NA PID=8.6 |
| | | | | | | Black | 2.3' - 2.8' - SAND with gravel and silt, fine-medium sand, some coarse sand, trace gravel | | | |
| | | | | | | ---- | 2.8' - 3.1' - Rock fragments | --- | | |
| 4 | | | | | | Black | 3.1' - 3.5' - Silty SAND, fine-medium sand, piece of plastic, metal, slight odor, glass fragments | SM/Fill | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4X4 Mule |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Continuous to 4' / 2' sample interval |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | FID= C PID= C Flag number 817 |

Note:
FID=NA = Flamed out and unable to start

BORING NO.: 740

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | BORING NO.: 741 |
| PROJECT NO.: | N1369 | | START DATE: 1/22/04 |
| LOGGED BY: | C. Rousseau/Neb Dedic | TRANSCRIBED BY: DH | COMPLETION: DATE: 1/22/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/D. Gooley | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 2.0' / 2.0' | SBP-SO-741-0002 Screening 1/22/04 @ 1405 | | Loose | Brown | 0' - 0.4' - Topsoil, grass, roots, silty sand<br>0.4' - 1.1' - Silty SAND, fine-medium sand, trace coarse sand | SM | Dry-moist<br>No odor<br>No visible waste | FID=84.0 |
| 1 | | | | | | Greenish | 1.1' - 1.3' - Fine-medium SAND, trace coarse sand | SW | | |
| 2 | | | | | | Dark Brown/ Black | 1.3' - 2.0' - Silty SAND, fine-medium sand, some coarse sand, glass pieces | SM/Fill | | |
| | | 1.7' / 2.0' | SBP-SO-741-0204 Screening 1/22/04 @ 1410 | | | Brown | 2.0' - 2.4' - SAND with gravel and silt, fine-medium sand, some coarse sand, trace gravel | SW | | FID=524<br>PID=0.0 |
| 3 | | | | | | Black | 2.4' -2.7' - Organic layer, roots | | | |
| 4 | | | | | | Greenish-Gray | 2.7' - 3.7' - Silty SAND, fine-medium sand, trace coarse sand | SM | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4X4 Mule |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Continuous to 4' / 2' sample interval |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | FID=C PID= C Changed to FID=D Flag number 820 |

BORING NO.: 741

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 741A |
| PROJECT NO.: | N1369 | | | START DATE: | 1/29/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: | RAC | COMPLETION: DATE: | 1/29/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling and Testing/D. Gooley | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| | DEPTH (FEET) | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Grass surface | | | |
| | | | 2.0' / 2.0' | SBP-SO-741A-0002 Full Suite less dioxin, SPLP 1/29/04 @ 0930 | | Frozen | Red - Brown | Silty SAND, Fine-medium sand, trace coarse sand, poorly graded, organic roots, brick pieces, glass shards | SM/Fill | Grass/root plug = approximately 3" (frozen) | FID = 0.0 PID = 0.0 |
| | | | | | | Dense | | | | | FID = 0.0 PID = 0.0 |
| 3 sleeves 0' – 2' = 6' | | | | | | Loose | Dark Brown | SAND, trace silt, trace gravel. Fine-medium sand mostly, trace coarse sand, fine gravel to ½" subrounded, brick, glass, pottery shards | SP/Fill | Damp at 1'. No visual PACM/waste. No geomembrane | FID = 0.2 PID = 0.0 |
| | 2 | | | | | | | | | | FID = 2.9 PID = 0.0 |
| | | | 2.0' / 2.0' | SBP-SO-741A-0204 Full Suite less dioxin, SPLP 1/29/04 @ 1000 | | | Brown | SAND, trace silt, some gravel. Fine-medium sand, trace coarse sand, poorly graded, fine to coarse subrounded gravel to 1 ¼" | | Saturated at 2.5' | FID = 0.0 PID = 0.0 |
| | | | | | | | Black | BURN LAYER - wood chunks, organic, fiber materials | Fill | | FID = 2.2 PID = 0.0 |
| 3 sleeves 2' – 4' = 6' | | | | Lab QC for VOCs and SVOCs only | | | Tan - Gray | SAND, trace gravel, fine sand, poorly graded, fine gravel to ½" subrounded | SP/Fill | VOC fraction from FID hit of 8.2 ppm (2' – 4') No visual PACM/waste or geomembrane | FID = 8.4 PID = 0.0 |
| | 4 | | | | | | Black | BURN LAYER - wood chunks, glass | Fill | | FID = 0.0 PID = 0.0 |
| | | | 0.7' / 2.0' | No samples for 4' – 6' for analysis (checked soil below water for presence of waste) | | | Brown | SAND and GRAVEL, trace silt. Mostly fine-medium sand, trace coarse sand, fine coarse subrounded gravel to 1", glass shards, metal fragments, brick | SP/GP Fill | Saturated at 4' No visual PACM/waste Poor recovery due to nature of fill – used basket in good shape to capture soil | FID = 0.0 PID = 0.0 |
| 1 sleeve 4' – 6' = 2' | | | | | | Soft | Black | SAND, trace silt, trace gravel, fine sand mostly, fine gravel subrounded to ½", glass, organic material, degraded newsprint or tar paper | SP/Fill | | FID = 0.0 PID = 0.0 |
| | 6 | | | | | | | | | No geomembrane from 4' – 6' | |
| | | | | | EOB @ 6' bgs | | | EOB @ 6' bgs – Backfill with Bentonite chips (6' – 1') and topsoil (1' – 0') | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – LT 54 (Track Mounted) (Rig 4) | Note: PACM = Potential asbestos containing material | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | Direct Push Technique (DPT) | Full Suite = SVOCs, Pesticides/PCBs, metals, dioxin, SPLP metals and PCBs, asbestos, and VOCs | |
| METHOD OF SOIL SAMPLING: | Macro-Core Open tube. Continuous sampling in 2' intervals to water table | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Approximately 2.5' bgs (driller reports water in borehole at 2.5') | | |
| OTHER OBSERVATIONS: | Phase II – Former Landfill Area – Golf Course near water hazard Flag number 820 | BORING NO.: 741A | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 742 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/22/04 |
| LOGGED BY: | C. Rousseau/Neb Dedic | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 1/22/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/D. Gooley | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 2.0' / 2.0' | SBP-SO-742-0002 Screening 1/22/04 @ 1450 | | Loose | Brown | 0' - 0.2' - Topsoil, grass, roots<br>0.2' - 0.7' - Silty SAND, fine-medium sand, trace coarse sand | SM | Dry-moist<br>No odor<br>No visible waste | FID=0.0<br>PID=0.0 |
| 1 | | | | | | Black | 0.7' - 1.8' - SAND with silt, fine-medium sand, trace coarse sand, trace gravel | | | |
| 2 | | | | | | | 1.8' - 2.0' - Organic material, wood | | | |
| 3 | | 1.3' / 2.0' | SBP-SO-742-0204 Screening 1/22/04 @ 1500 | | | | 2.0' - 2.5' - Silty SAND, fine-medium sand, trace coarse sand, FID=884 | | Moist-wet<br>No odor<br>No visible waste | FID=884<br>PID=0.0 |
| 4 | | | | | | Greenish/ Gray | 2.5' - 3.3' - Fine-medium SAND, trace silt | SP | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4X4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Continuous to 4' / 2' sample interval | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | FID= C PID= C Flag number 819 | BORING NO.: 742 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 743 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/22/04 |
| LOGGED BY: | C. Rousseau/Neb Dedic | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 1/22/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/D. Gooley | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | NA | | | | | | | | | |
| | | 2.0' / 2.0' | SBP-SO-743-0002 Screening 1/22/04 @ 1520 | | Loose | Brown | 0' - 0.6' - Topsoil, grass, roots, silty sand | | Dry No odor No visible waste | FID=0.0 PID=0.0 |
| 1 | | | | | | | 0.6' - 1.3' - Silty SAND, fine-medium sand, trace coarse sand | SM | | |
| | | | | | | Black/ Dark Brown | 1.3' - 2.0' - Silty SAND, trace coarse sand | | | |
| 2 | | | | | | | | | | |
| | | 1.6' / 2.0' | SBP-SO-743-0204 Screening 1/22/04 @ 1530 | | | Greenish/ Gray | 2.0' - 3.0' - Fine-medium SAND, trace coarse sand, trace organics | | Moist-wet | |
| 3 | | | | | | | | | | |
| | | | | | | Brown | 3.0' - 3.6' - Silty SAND, fine-medium sand, trace coarse sand, glass fragments | SM/Fill | No odor Glass fragments | FID=798 PID=0.0 |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4X4 Mule |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Continuous to 4' / 2' sample interval |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | FID= C PID= C Flag number 818 |

BORING NO.: 743

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 744 |
| PROJECT NO.: | N1369 | START DATE: | 1/22/04 |
| LOGGED BY: | C. Rousseau/Neb Dedic | TRANSCRIBED BY: DH | COMPLETION: DATE: 1/22/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/D. Gooley | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 2.0' / 2.0' | SBP-SO-744-0002 Screening 1/22/04 @ 1618 | | Loose | Brown | 0' - 0.4' - Topsoil, grass, roots | | | FID=0.0 PID=0.0 |
| 1 | | | | | | | 0.4' - 1.1' - Silty SAND, fine-medium sand, some coarse sand | SM | Dry, no odor, No visible waste | |
| | | | | | Medium Dense | | 1.1' - 1.2' - Silty SAND, fine-medium sand<br>1.2' - 2.0' - Silty SAND, fine-medium sand, some coarse sand, trace silt | | | |
| 2 | | | | | | | | | | |
| | | 1.8' / 2.0' | SBP-SO-744-0204 Screening 1/22/04 @ 1625 | | | | 2.0' - 2.4' - Same as material noted above | | Dry-moist No odor Glass fragments | FID=2.8 PID=0.0 |
| 3 | | | | | Loose | Dark Brown | 2.4' - 3.4' - Silty SAND, fine-medium sand, trace coarse sand | | | |
| | | | | | | Black | 3.4' - 3.8' - Silty SAND, fine-medium sand, trace coarse sand, glass pieces, FID=2.8 ppm | SM/Fill | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4X4 Mule |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Continuous to 4' / 2' sample interval |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | FID= C PID= C Flag number 821 |

BORING NO.: 744

*Tetra Tech NUS, Inc.*

PAGE: 1 OF 1

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 745/745A |
| PROJECT NO.: | N1369 | START DATE: | 1/22/04 |
| LOGGED BY: | K. Jalkut | COMPLETION: DATE: | 1/23/04 |
| DRILLED BY (Company/Driller): | ADT/M. Sarro | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JL |

TRANSCRIBED BY: LAH

ELEVATION FROM:

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | Recreational Field | | | |
| 1 | | 1.8' / 2' | SBP-SO-745-0002 Screening and Confirmation 1/22/04 @ 1600 | | Dense | Red Brown | SAND, some silt, trace gravel. Mostly fine-medium sand, trace coarse sand, poorly graded fine subrounded gravel to ½", organics | SM/ Fill | Grass/root plugs = 3" (frozen) No geomembrane Damp | FID = 0.0 PID = 0.0 |
| 2 | | | | | Loose | Tan-Gray | Sandy GRAVEL, fine-medium sand, poorly graded, fine-coarse subangular gravel to 1.5", rock fragments | SP/GP Fill | Dry | |
| 3 | | 1.8' / 2' | SBP-SO-745-0204 Screening 1/22/04 @ 1615 | | | | | | No geomembrane | |
| 4 | | | | | | Deep Red | SAND, mostly medium sand, trace coarse sand | SP/Fill | Dry | |
| | | | | | | | Silty SAND, fine-medium sand, poorly graded, trace organics | SM/Fill | Damp (fines) | |
| 5 | | 2' / 2' | SBP-SO-745A-0406 Screening 1/22/04 @ 1630 | | | Tan-Gray | Sandy GRAVEL, fine-medium sand, poorly graded, fine and coarse subangular gravel to 1", rock fragments | SP/GP Fill | Dry, no geomembrane | |
| | | | | | Dense Loose | Dark brown Tan-gray | SAND, some silt, some gravel, fine-medium sand, poorly graded fine and coarse subrounded gravel 0.5" - 1.5", organics | SM/Fill SP/Fill | Dry | |
| | | | | | | | SAND, fine-medium sand, poorly graded, seashells | | No geomembrane | |
| 6 | | | | | Dense | Black | WASTE, visible PACM - compressed material with long shiny fibers and trace organic material | Fill | Damp PACM at approximately 5.5' - 6' | FID = 8.0 PID = 0.0 |
| | | | | EOB @ 6' bgs | | | EOB @ 6' bgs - Backfill with Bentonite chips (6' - 1') and topsoil (1'- 0') | | | |
| | | | | | | | Switched to Phase 2 sampling protocol from surface to water table no screening samples, per PM/FOL | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – LT 54 (rig 4) |
| METHOD OF ADVANCING BORING: | Direct - Push |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous sampling in 2' intervals to the water table |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | Not Encountered |
| OTHER OBSERVATIONS: | Phase I. Flag No. 511; former Landfill area – Location added per EPA's request (RJ) |

Notes:

PACM = Potential asbestos containing material

BORING NO.: 745/745A

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 745A |
| PROJECT NO.: | N1369 | START DATE: | 1/23/04 |
| LOGGED BY: | K. Jalkut | COMPLETION: DATE: | 1/26/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling and Testing/M. Sarro | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JL |

TRANSCRIBED BY: RAC

ELEVATION FROM:

3 Sleeves

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | NA | | | | | | | | | |
| | | 1.8' / 2.0' | SBP-SO-745A-0002<br>Full Suite less dioxin, SPLP, asbestos<br>1/23/04 @ 0900 | | | | Refer to Boring Log Number 745 for soil profiles from 0' – 6' bgs | | Grass/root plug = approximately 3" (frozen)<br>No visible PACM/waste or geomembrane | FID = 0.0<br>PID = 0.0 |
| 2 | | | | | | | | | | |
| | | 2.0' / 2.0' | SBP-SO-745A-0204<br>Full Suite less dioxin, SPLP, asbestos<br>1/23/04 @ 1000 | | | | | | | |
| 4 | | | | | | | | | Visible geomembrane at 4'. No visible PACM/waste | |
| | | 2.0' / 2.0' | SBP-SO-745A-0406<br>Full Suite less asbestos<br>1/23/04 @ 1050 | | | | | | | |
| 6 | | | | | | | | | Visible PACM/waste at approximately 5.6' – 6' | FID = 28<br>PID = 0.0 |
| | | 1.7' / 2.0' | SBP-SO-745A-0608<br>and DUP05A<br>1/26/04 @ 1310 | | Dense | Black - Brown | WASTE, compressed material, long shiny fibers (reddish coloration to parts) | Fill | Visible PACM/waste at 6' – 6.5'<br>Both crews in Level C 1300 - 1340 | FID = 28<br>PID = 0.0<br>FID = 64<br>PID = 0.0 |
| 8 | | | Full Suite less dioxin, SPLP<br>DAS metals collected | EOB @ 8' bgs | | Brown | Silty SAND, some gravel. Fine-medium sand, fine coarse subrounded gravel ½" – 1 ¼", wood chunks, glass shards to 1 ½", organic fibers, reed, metal debris, newspaper, asphalt<br>EOB @ 8' bgs – Backfill with Bentonite chips (8' – 1') and topsoil (1' – 0') | | Wet at approximately 7.7' | FID = 181<br>PID = 0.0 |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – LT 54 (track mounted) (Rig 4) |
| METHOD OF ADVANCING BORING: | Direct Push Technique |
| METHOD OF SOIL SAMPLING: | Macro-Core Open tube. Continuous sampling in 2' intervals to water table |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | Approximately 7.5' bgs (driller reports $H_2O$ in boring at 7.5' bgs) |
| OTHER OBSERVATIONS: | Phase II – Former Landfill Area – Recreational Field, Flag number 511 PID/FID=F; PID failed 1/23/04 calibration check |

Note:
PACM = Potential asbestos containing material
Full Suite = SVOCs, Pesticides/PCBs, metals, dioxin, SPLP metals and PCBs, asbestos, and VOCs

BORING NO.: 745A

Tetra Tech NUS, Inc.



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | BORING NO.: 746 |
| PROJECT NO.: | N1369 | | START DATE: 1/23/04 |
| LOGGED BY: | C. Rousseau/Neb Dedic | TRANSCRIBED BY: DH | COMPLETION: DATE: 1/23/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/D. Gooley | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | NA | | | | | | | | | |
| | | 2.0' / 2.0' | SBP-SO-746-0002 Screening 1/23/04 @ 1040 | | Loose | | 0' - 0.3' - Snow pack | --- | Dry-moist No odor No visible waste | FID=0.0 PID=0.6 |
| 1 | | | | | | Dark Brown | 0.3' - 1.2' - Silty SAND, fine-medium sand, trace organics | SM | | |
| | | | | | | Brown | 1.2' - 2.0' – Silty SAND, fine-medium sand, some coarse sand, trace silt, trace organics | | | |
| 2 | | | | | | | | | | |
| | | 1.4' / 2.0' | SBP-SO-746-0204 Screening 1/23/04 @ 1050 | | | | 2.0' - 3.0' - Same as material above (1.2'-2.0'), trace organics | | Dry- moist No odor Metal, plastic | |
| 3 | | | | | | | | | | FID=386 PID=1.1 |
| | | | | | | Dark Brown | 3.0' - 3.4' - Silty SAND, fine-medium sand, trace organics, plastic, metal pieces, possible PACM | SM/Fill | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4X4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | Note: | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Continuous to 4' / 2' sample interval | PACM = Potential asbestos containing material | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | FID= C PID= C Flag number 439 | BORING NO.: 746 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 747 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/23/04 |
| LOGGED BY: | C. Rousseau/Neb Dedic | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 1/23/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/D. Gooley | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.6' / 2.0' | SBP-SO-747-0002 Screening 1/23/04 @ 1120 | | Loose | Brown | 0' - 0.3' - Topsoil, organics, reed materials | SM | Dry-moist No odor No visible waste | FID=18 PID=4.8 |
| 1 | | | | | | | 0.3' - 1.6' - Silty SAND, fine-medium sand, trace organics, trace coarse sand and gravel | | | |
| 2 | | | | | | | | | | |
| 3 | | 1.6' / 2.0' | SBP-SO-747-0204 Screening 1/23/04 @ 1127 | | | | 2.0' - 3.6' - Sandy SILT, fine-medium sand, some coarse sand, some silt, trace gravel | ML | Dry-moist No odor No visible waste | FID=25.0 PID=0.5 |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4X4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Continuous to 4' / 2' sample interval | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | FID= C PID= C Flag number 488 | BORING NO.: 747 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 748 |
| PROJECT NO.: | N1369 | START DATE: | 1/23/04 |
| LOGGED BY: | C. Rousseau/Neb Dedic | TRANSCRIBED BY: DH | COMPLETION: DATE: 1/23/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/D. Gooley | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 2.0' / 2.0' | SBP-SO-748-0002 Screening 1/23/04 @ 1200 | | Loose | Dark Brown | 0' - 1.2' - Silty SAND, fine-medium sand, trace organics, trace gravel | SM | Dry-moist No odor Plastic, resin material (white) | FID=7.5 PID=4.3 |
| 1 | | | | | | | 1.2' - 1.3' - Rock fragments, gravel | GP | | |
| | | | | | | Brown | 1.3' - 2.0' - Silty SAND, fine-medium sand, some coarse sand, trace organics (roots) plastic, resin material (hard white) | SM/Fill | | |
| 2 | | | | | | | | | | |
| | | 1.1' / 2.0' | SBP-SO-748-0204 Screening 1/23/04 @ 1215 | | | | 2.0' - 2.6' - FILL, cardboard/paper material, silty SAND around material | | Dry-moist No odor Paper material | FID=36 PID=0.0 |
| 3 | | | | | | | 2.6' - 4.0' - Silty SAND, fine-medium sand | | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4X4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Continuous to 4' / 2' sample interval | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | FID= C PID= C Flag number 530 | BORING NO.: 748 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 749 |
| PROJECT NO.: | N1369 | START DATE: | 1/23/04 |
| LOGGED BY: | C. Rousseau/Neb Dedic | TRANSCRIBED BY: DH | COMPLETION: DATE: 1/23/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/D. Gooley | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | NA | | | | | | | | | |
| | | 1.6' / 2.0' | SBP-SO-749-0002 Screening 1/23/04 @ 1240 | | Loose | Brown | 0' - 1.1' - Silty SAND, fine-medium sand, some coarse sand, trace gravel | SM | Dry-moist No odor No visible waste | FID=11.0 PID=0.0 |
| 1 | | | | | | | | | | |
| | | | | | | | 1.1' - 1.6' - SAND with silt and gravel, fine-medium sand, trace gravel, trace rock fragments, FID=11.0ppm | SP | | |
| 2 | | | | | | | | | | |
| | | 1.5' / 2.0' | SBP-SO-749-0204 Screening and Confirmation 1/12/04 @ 1250 | | | | 2.0' – 3.2' - Silty SAND, fine-medium sand, some coarse sand, trace gravel | SM | | |
| 3 | | | | | | | | | | |
| | | | | | | | 3.2' – 4.5' - Rock fragments, gravel, 2" – 2.5" rock stuck in shoe of sleeve | GP | | FID=65.0 PID=8.8 |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4X4 Mule |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Continuous to 4' / 2' sample interval |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | FID= C PID= C Flag number 578 |

BORING NO.: 749

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | BORING NO.: 750 |
| PROJECT NO.: | N1369 | | START DATE: 1/26/04 |
| LOGGED BY: | C. Rousseau/Neb Dedic | TRANSCRIBED BY: DH | COMPLETION: DATE: 1/26/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/D. Gooley | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | NA | | | | | | | | | |
| | | 2.0' / 2.0' | SBP-SO-750-0002 Screening 1/26/04 @ 1600 | | Loose | Black | 0' - 0.3' - Dry, asphalt | ------ | Dry No odor No visible waste Shell fragments | FID=22 PID=0.0 |
| 1 | | | | | | Red | 0.3' - 1.1' - Dry, silty SAND, fine-medium sand, trace coarse sand, trace gravel | SM | | |
| | | | | | | Brown | 1.1' - 2.0' - Dry, silty SAND, fine-medium sand, shell fragments | | | |
| 2 | | | | | | | | | | |
| | | 1.3' / 2.0' | SBP-SO-750-0204 Screening 1/26/04 @ 1610 | | | | 2.0' - 2.5' - Silty SAND, fine-medium sand, metal piece (± 2") | | Dry-moist No odor | FID=625 PID=0.0 |
| 3 | | | | | | | 2.5' - 2.7' - Rock fragments, gravel | GP | | |
| | | | | | | | 2.7' - 3.3' - Dry-moist, silty SAND, fine-medium sand, organics, wood and roots | SM/Fill | Metal piece, organics roots, wood, clay type material (gray) pliable | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4X4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Continuous to water table / 2 foot interval | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | FID=C PID= C Flag number 822 | BORING NO.: 750 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 751 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/27/04 |
| LOGGED BY: | C. Rousseau/Neb Dedic | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 1/27/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/D. Gooley | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.8' / 2.0' | SBP-SO-751-0002 Screening 1/27/04 @ 0900 | | Loose | Brown | 0' - 1.0' - Dry, frozen, topsoil, silty SAND, fine-medium sand, organics, roots, grass | SM | Dry No odor noted No visible waste Frost layer 0-1.0' | FID=0.0 PID=0.0 |
| 1 | | | | | | | | | | |
| | | | | | | Dark Brown | 1.0' - 1.8' - Dry, silty SAND, fine-medium sand, trace coarse sand, trace gravel | | | |
| 2 | | | | | | | | | | |
| | | 2.0' / 2.0' | SBP-SO-751-0204 Screening 1/27/04 @ 0910 | | | Brown | 2.0' - 4.0' - SAND with silt, fine-medium sand, some coarse sand, trace gravel, trace organics (roots) | SP/Fill | Dry No odor Few pieces of metal | FID=95.0 PID=0.0 |
| 3 | | | | | | | | | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4X4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Continuous to water table / 2 foot interval | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | FID= D, PID= E Flag number 823 - End of parking lot area, outside wooden fence in grass | BORING NO.: 751 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 752 |
| PROJECT NO.: | N1369 | START DATE: | 1/27/04 |
| LOGGED BY: | C. Rousseau/Neb Dedic | COMPLETION: DATE: | 1/27/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/D. Gooley | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JL |

TRANSCRIBED BY: DH

ELEVATION FROM:

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.9' / 2.0' | SBP-SO-752-0002 Screening 1/27/04 @ 0945 | | Loose | Black | 0' - 0.3' - Asphalt | ------ | Dry-moist No odor Glass and shell fragments | FID=12.0 PID=0.0 |
| 1 | | | | | | Red | 0.3' - 0.8' - SAND with silt and gravel, fine-medium sand, some coarse sand, trace gravel | SW | | |
| | | | | | | Brown/ Gray | 0.8' - 1.9' - Fine-medium SAND, shell fragments, glass piece, some silt | SM/Fill | | |
| 2 | | | | | | | | | | |
| | | 1.5' / 2.0' | SBP-SO-752-0204 Screening 1/27/04 @ 0955 | | | Grayish/ Black | 2.0' – 3.5' - Black, SAND with silt and gravel, fine- medium sand, trace coarse sand, trace gravel, piece of metal at ± 3.0'-3.4' | | | |
| 3 | | | | | | | | | Dry-moist Slight odor Metal piece | FID=1812 PID=0.0 |
| | | | | | | | | | No visible PACM | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4X4 Mule | Note: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | PACM = Potential asbestos containing material | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Continuous to 4' / 2' sample interval | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | FID= D, PID= E Flag number 824 - In parking lot on asphalt between 823 and 825 | BORING NO.: 752 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 753 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/27/04 |
| LOGGED BY: | C. Rousseau/Neb Dedic | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 1/27/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/D. Gooley | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 2.0' / 2.0' | SBP-SO-753-0002 Screening 1/27/04 @ 1053 | | Loose | Brown | 0' - 0.8' - Frozen layer, topsoil, organics (roots, reeds), sand with silt | SM | Dry-moist No odor No visible waste | FID=7.0 PID=0.0 |
| 1 | | | | | | Dark Brown | 0.8' - 2.0' - SAND with silt, fine-medium sand, trace coarse sand, trace organics | | | |
| 2 | | | | | | | | | | |
| | | 1.1' / 2.0' | SBP-SO-753-0204 Screening 1/27/04 @ 1110 | | | Black | 2.0' - 3.1' - SAND with silt and gravel, fine-medium sand, trace coarse sand, trace gravel, possible ash, fibrous material, PACM, organic material | SM/Fill | Dry-moist Slight odor Possible ash noted PACM 2.5' - 3.1' | FID=523 PID=0.0 |
| 3 | | | | | | | | | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4X4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | Note: | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Continuous to 4' / 2' sample interval | PACM = Potential asbestos containing material | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | FID= D PID= E Flag number 400 | BORING NO.: 753 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 754 |
| PROJECT NO.: | N1369 | START DATE: | 1/27/04 |
| LOGGED BY: | C. Rousseau/Neb Dedic | TRANSCRIBED BY: DH | COMPLETION: DATE: 1/27/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/D. Gooley | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 2.0' / 2.0' | SBP-SO-754-0002 Screening 1/27/04 @ 1142 | | Loose | Brown | 0' - 0.2' - Snow packed<br>0.2' - 1.0' – Silty SAND, dry, organics, frozen layer, fine-medium sand | SM | Dry-moist<br>No odor<br>No visible waste<br>Organics, roots, reeds | FID=0.0<br>PID=0.0 |
| 1 | | | | | | | | | | |
| | | | | | | | 1.0' - 2.0' - SAND with silt, fine-medium sand, some silt, trace organics | | | |
| 2 | | | | | | | | | | |
| | | 1.5' / 2.0' | SBP-SO-754-0204 Screening 1/27/04 @ 1150 | | | | 2.0' - 3.1' - Silty SAND, fine-medium sand, with trace organics, trace coarse sand | | Dry-moist<br>No odor<br>Glass, paper, wood fragments | FID=207<br>PID=0.0 |
| 3 | | | | | | | | | | |
| | | | | | | Brown/ Black | 3.1' - 3.5' - SAND with silt, fine-medium sand, some silt, glass, paper wood fragments, FID=207 | SM/Fill | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE -- 4X4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Continuous to 4' / 2' sample interval | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | FID=D PID= E Flag number 375 | BORING NO.: 754 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 755 |
| PROJECT NO.: | N1369 | START DATE: | 1/27/04 |
| LOGGED BY: | C. Rousseau/Neb Dedic | TRANSCRIBED BY: DH | COMPLETION: DATE: 1/27/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/D. Gooley | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.7' / 2.0' | SBP-SO-755-0002 Screening 1/27/04 @ 1205 | | Loose | Brown | 0' - 1.2' - Silty SAND, dry, frozen layer, organics, roots, fine-medium sand | SM | Dry-moist No odor | FID=9.0 PID=0.0 |
| 1 | | | | | | | | | | |
| | | | | | | | 1.2' - 1.7' - Silty SAND, dry, organics, roots, wood pieces, fine-medium sand, plastic pieces | SM/Fill | Plastic | |
| 2 | | | | | | | | | | |
| | | 1.3' / 2.0' | SBP-SO-755-0204 Screening 1/27/04 @ 1210 | | | | 2.0' - 3.3' - SAND with silt and gravel, fine-medium sand, some silt trace coarse sand, trace gravel | SM | Dry-moist No odor No visible waste | FID=186 PID=0.0 |
| 3 | | | | | | | | | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4X4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Continuous to 4' / 2' sample interval | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | FID=D PID= E Flag number 354 | BORING NO.: 755 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 756 |
| PROJECT NO.: | N1369 | START DATE: | 1/27/04 |
| LOGGED BY: | C. Rousseau/Neb Dedic | TRANSCRIBED BY: DH | COMPLETION: DATE: 1/27/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/D. Gooley | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.6' / 2.0' | SBP-SO-756-0002 Screening 1/27/04 @ 1450 | | | | 0' - 0.3' - Snow packed | | Dry No odor | |
| 1 | | | | | Loose | Brown | 0.3' - 1.6' - Dry, SAND with silt and gravel, fine-medium sand, some coarse sand, trace gravel, trace organics, (roots and reeds) plastic pieces, glass | SW/Fill | Plastic Organics (roots and reeds) | FID=0.0 PID=0.0 |
| 2 | | | | | | | | | | |
| 3 | | 1.6' / 2.0' | SBP-SO-756-0204 Screening 1/27/04 @ 1500 | | | Brown/ Black | 2.0' - 2.7' - SAND with silt and gravel, fine- medium sand, trace gravel | SM | Dry-moist No odor Rip-Rap material | FID=2.0 PID=0.0 |
| | | | | | | Gray | 2.7' – 3.2' - Rip-Rap, rock fragments, powdered | GP | | |
| 4 | | | | | | Brown | 3.2' - 3.6' - SAND with silt and gravel, fine-medium sand, some silt, trace gravel | SM | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4X4 Mule |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Continuous to 4' / 2' sample interval |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | FID= D PID= E Flag number 330 |

BORING NO.: 756

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | BORING NO.: 757 |
| PROJECT NO.: | N1369 | | START DATE: 1/27/04 |
| LOGGED BY: | C. Rousseau/Neb Dedic | TRANSCRIBED BY: DH | COMPLETION: DATE: 1/27/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.7' / 2.0' | SBP-SO-757-0002 Screening 1/27/04 @ 1520 | | Loose | Brown | 0' - 1.0' - SAND with silt and gravel, fine-medium sand, some coarse sand, trace gravel, plastic | SW/Fill | Dry No odor Plastic, slag | FID=0.7 PID=0.0 |
| 1 | | | | | | | | | | |
| | | | | | | Black | 1.0' - 1.4' - SAND with silt, fine-medium sand, some coarse sand, slag | SM/Fill | | |
| 2 | | | | | | Brown Orange | 1.4' - 1.7' - Silty SAND, fine-medium sand | SM | | |
| | | 2.0' / 2.0' | SBP-SO-757-0204 Screening 1/27/04 @ 1530 | | | Brown | 2.0' - 3.0' - SAND with silt and gravel, fine-medium sand, some coarse sand, trace gravel, plastic | SW/Fill | Dry-moist No odor Plastic, slag | FID=78 PID=0.0 |
| 3 | | | | | | | | | | |
| | | | | | | Brown/ Black | 3.0' – 4.0' - SAND with silt, fine-medium sand, trace coarse sand, wood fragments | | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4X4 Mule |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Continuous to 4' / 2' sample interval |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | FID= D PID= E Flag number 306 |

BORING NO.: 757

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 758 |
| PROJECT NO.: | N1369 | START DATE: | 1/27/04 |
| LOGGED BY: | C. Rousseau/Neb Dedic | TRANSCRIBED BY: DH | COMPLETION: DATE: 1/27/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/D. Gooley | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.8' / 2.0' | SBP-SO-758-0002 Screening 1/27/04 @ 1550 | | Loose | Brown | 0' - 0.4' - Organics, topsoil, grass, roots, silty sand, fine-medium sand | SM | Dry-moist No odor Shell fragments | FID=18.2 PID=0.0 |
| | | | | | | Red | 0.4' - 0.7' - Silty SAND, fine-medium sand, trace coarse sand, trace roots | | | |
| 1 | | | | | | Brown | 0.7' - 1.3' - SAND with silt and gravel, fine-medium sand, some coarse sand, trace gravel | | | |
| | | | | | | Light Brown | 1.3' - 1.8' - SAND with silt, fine-medium sand, shell fragments | | | |
| 2 | | | | | | | | | | |
| | | 1.8' / 2.0' | SBP-SO-758-0204 Screening 1/27/04 @ 1605 | | | Brown | 2.0' - 2.6' - SAND with silt and gravel, fine-medium sand, some coarse sand, trace gravel | SW | Dry-moist Organic odor No visible waste | FID=41.0 PID=0.0 |
| 3 | | | | | | | 2.6' – 3.0' - Rock fragments | GP | | |
| | | | | | | Black | 3.0' – 3.8' - SAND with silt and gravel, fine-medium sand, some coarse sand, trace gravel | SW | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE -- 4X4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Continuous to 4' / 2' sample interval | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | FID= D , PID= E | Flag number 825 - In grass between sand piles, parking lot area | BORING NO.: 758 |

PAGE: 1 OF 1

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 759 |
| PROJECT NO.: | N1369 | START DATE: | 1/29/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: LAH | COMPLETION: DATE: 1/29/04 |
| DRILLED BY (Company/Driller): | ADT/D. Gooley | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | Grass surface | | | |
| | | 1.7' / 2' | SBP-SO-759-0002 Screening 1/29/04 @ 0900 | | Frozen | Brown | SAND, some silt, fine-medium sand, poorly graded, organic roots | SM/Fill | Grass/root plug = 3" (frozen) No visual PACM/waste No geomembrane | FID = 0.3 |
| 1 | | | | | | | | | | PID = 0.0 |
| | | | | | Loose | Tan-Gray | SAND, trace silt, trace gravel, fine-medium sand, trace coarse sand, poorly graded, fine and coarse gravel, subround to 1", rock Fragments (trap rock) at 1.5' - 1.7' | SP/Fill | (coarser than above) damp at approximately 1.5' No visual PACM/waste No geomembrane | FID = 1.7 |
| 2 | | | | | | | | | | PID = 0.0 |
| | | 1.2' / 2' | SBP-SO-759-0204 Screening 1/29/04 @ 0905 | | Soft | Brown | Silty SAND, some gravel, fine-medium sand, poorly graded fine and coarse gravel to 1", subrounded, organic material | SM/Fill | Poor recovery (due to rock fill at end) Saturated at 2' No visual PACM or waste No geomembrane | FID = 36.3 |
| 3 | | | | | | Black | Similar to above with fill (glass, metal, road chunks, ash, organics) | | | PID = 0.0 |
| | | | | | Dense (fill) | Red | Fill = concrete pieces/glass/wood | Fill | | FID = 5.6 |
| 4 | | | | | ? | ? | ? (Poor recovery) | | | PID = 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite chips (4' -1') and topsoil (1'- 0') | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – track-mounted (rig 4) | Notes: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | Direct - Push | | |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous sampling to 4' in 2' intervals | PACM = Potential asbestos containing material | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Not Encountered | | |
| OTHER OBSERVATIONS: | Phase I. Flag No. 826; former Landfill area | BORING NO.: 759 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 760 |
| PROJECT NO.: | N1369 | START DATE: | 1/29/04 |
| LOGGED BY: | K. Jalkut | COMPLETION: DATE: | 1/29/04 |
| DRILLED BY (Company/Driller): | ADT/D. Gooley | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JL |

TRANSCRIBED BY: LAH

ELEVATION FROM:

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | Grass surface | | | |
| | | 2' / 2' | SBP-SO-760-0002 Screening and Confirmation 1/29/04 @ 0830 | | Frozen | Brown | SAND, some silt, trace gravel, fine-medium sand, poorly graded, fine gravel to ½" subrounded, organic roots | SM/Fill | Grass/root plug = 3" (frozen) No visual asbestos fibers/ PACM/waste | FID = 1.0 |
| 1 | | | | | Loose | Tan-Brown | Silty SAND, some gravel, fine-coarse sand, well graded, fine-coarse gravel ½-1¼", subrounded, slate pieces | | | PID = 0.0 |
| | | | | | Dense | Black | Silty SAND, some gravel, similar to above with glass, wood | | damp | |
| 2 | | | | | ↓ | ↓ | chunks, rock fragments | | ↓ | FID = 59 |
| | | 1.2' / 2' | SBP-SO-760-0204 Screening 1/29/04 @ 0840 | | Soft | Black | Silty SAND, some gravel, some organics, fine-medium sand, poorly graded, fine-coarse subrounded gravel to 1", wood chunks, glass, metal, ash, burned material, degraded newspaper | | Poor recovery – compressed soil & fill Saturated at 2' No visible PACM or waste | FID = 75 |
| 3 | | | | | | | | | | PID = 0.0 |
| | | | | | | | ? (poor recovery) | | | |
| 4 | | | | | ↓ | ↓ | | ↓ | | FID = 100 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite chips (4' -1') and topsoil (1'- 0') | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – track-mounted (rig 4) | Notes: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | Direct - Push | | |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous sampling to 4' in 2' intervals | PACM = Potential asbestos containing material | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Not Encountered | | |
| OTHER OBSERVATIONS: | Phase I. Flag No. 827; former Landfill area – golf course | BORING NO.: 760 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 761 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/29/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: | LAH | COMPLETION: DATE: | 1/29/04 |
| DRILLED BY (Company/Driller): | ADT/D. Gooley | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION Grass surface | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.9' / 2' | SBP-SO-761-0002 Screening 1/29/04 @ 1125 | | Frozen | Red-Brown | SAND, some silt, trace gravel, fine-medium sand, poorly graded fine gravel to ½" subrounded, organic roots | SM/Fill | Grass/root plug = 3" (frozen) No visual PACM/waste or geomembrane | FID = 0.0 |
| 1 | | | | | Dense | Tan-Gray | SAND, fine-medium, poorly graded, seashells | SP/Fill | damp | PID = 0.0 |
| | | | | | Loose | | | | No visual PACM/waste or geomembrane | |
| 2 | | | | | | | | | | |
| | | 1.8' / 2' | SBP-SO-761-0204 Screening 1/29/04 @ 1130 | | | Brown | SAND, similar to above, less seashells | | No visible PACM/waste or geomembrane | FID = 4.9 |
| | | | | | Dense | Dark brown | 1x2" silty fine SAND layer | SM/Fill | | |
| 3 | | | | | Loose | Black | FILL, Burn layer, sand, trace silt, some organics, fine-medium sand | Fill | | PID = 4.6 |
| | | | | | | Brown | Poorly graded, wood, roots, unidentified hardened material SAND, similar to above, trace organics | SP/Fill | damp | FID = 10.3 |
| | | | | | | Red/tan | FILL, 3" Ash/glass interval | Fill | | |
| 4 | | | | | | Brown | SAND, some gravel, fine-medium sand poorly graded | SP/Fill | | PID = 10.6 |
| | | | | EOB @ 4' bgs | | | Fine-coarse subrounded gravel to 1", organic material | | | |
| | | | | | | | EOB @ 4' bgs - Backfill with Bentonite chips (4' -1') and topsoil (1'- 0') | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – track-mounted (rig 4) | Notes: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | Direct - Push | | |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous sampling to 4' in 2' intervals | PACM = Potential asbestos containing material | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Not Encountered | | |
| OTHER OBSERVATIONS: | Phase I. Flag No. 828; former Landfill area – golf course | BORING NO.: 761 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 762 |
| PROJECT NO.: | N1369 | | | START DATE: | 1/29/04 |
| LOGGED BY: | K. Jalkut | TRANSCRIBED BY: | LAH | COMPLETION: DATE: | 1/29/04 |
| DRILLED BY (Company/Driller): | ADT/D. Gooley | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | Grass surface | | | |
| | | 2' / 2' | SBP-SO-762-0002 Screening 1/29/04 @ 1145 | | Frozen Loose | Brown Tan- | SAND, trace silt, fine-medium sand, poorly graded<br>SAND, fine-medium sand, poorly graded, shells, glass shards | SP/Fill | Grass/root plug = 2"<br>No visual PACM/waste or geomembrane<br>damp | FID = 0.0 |
| 1 | | | | | | | | | | PID = 0.0 |
| | | | | | | | | | Dry. No visual PACM/waste or geomembrane | |
| 2 | | | | | | Black | Similar to above (color change) | | | |
| | | 1.5' / 2' | SBP-SO-762-0204 Screening 1/29/04 @ 1200 | | | Gray-Brown | SAND, trace silt<br>2.3' - PACM (0.5" thick) clumpy compressed material with fibers | SP/Fill | Visible PACM/waste at approximately 2.3' and 3.3' (in 1/2" intervals) | FID = 4.3 |
| 3 | | | | | | | Sand, trace silt, trace gravel at 3' - coarse subrounded gravel to 1" | | | PID = 0.0 |
| | | | | | | | PACM at 3.3' - clumpy compressed material with fibers<br>Sand, trace silt, glass shards, organics | | Damp | FID = 2.2 |
| 4 | | | | | | Tan-Brown | | | | PID = 1.5 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite chips (4' -1') and topsoil (1'- 0') | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – Track mounted (rig 4) | Notes: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | Direct - Push | | |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous sampling to 4' in 2' intervals | PACM = Potential asbestos containing material | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Not Encountered | | |
| OTHER OBSERVATIONS: | Phase I. Flag No. 829; former Landfill area – golf course | BORING NO.: 762 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 763 |
| PROJECT NO.: | N1369 | START DATE: | 1/29/04 |
| LOGGED BY: | K. Jalkut | COMPLETION: DATE: | 1/29/04 |
| DRILLED BY (Company/Driller): | ADT/D. Gooley | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JL |
| TRANSCRIBED BY: | LAH | | |
| ELEVATION FROM: | | | |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | Grass surface | | | |
| | | 1.9' / 2' | SBP-SO-763-0002 Screening 1/29/04 @ 1430 | | Frozen | Brown | SAND, some silt, trace gravel, fine-medium sand, trace coarse sand, poorly graded, fine-coarse gravel to 1" subrounded, glass shards, roots | SM/Fill | Grass/root plug = 3" (frozen) No visual PACM/waste or geomembrane | FID = 6.0 |
| 1 | | | | | Loose | | SAND, trace silt, trace gravel, fine-medium sand poorly graded, fine gravel to ½" subrounded, glass shards, organic roots, seashells | SP/Fill | | PID = 0.0 |
| | | | | | | | | | Dry | FID = 0.0 |
| 2 | | | | | | Dark Brown | - increased silt at end of macrocore | SM/Fill | | PID = 3.0 |
| | | 1.8' / 2' | SBP-SO-763-0204 Screening 1/29/04 @ 1440 | | | | SAND, some silt, trace gravel, fine-medium sand, mostly poorly graded, fine-coarse gravel to 1" subrounded | | Damp No visual PACM/waste or geomembrane | FID = 0.0 |
| 3 | | | | | | | Similar to above with coarse quartz gravel (approximately 1.5"); plastic debris | | | PID = 0.0 |
| | | | | | | | Similar to above with glass shards | | | FID = 2 |
| 4 | | | | | Denser | Tan-gray Black | SAND, fine-medium sand, poorly graded, seashells Silty SAND, fine-medium sand, poorly graded, organic roots/wood (burned), glass shards | SP/Fill SM/Fill | Damp | PID = 12 |
| | | | | EOB @ 4' bgs | | | | | | |
| | | | | | | | EOB @ 4' bgs - Backfill with Bentonite chips (4' -1') and topsoil (1'- 0') | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – Track mounted (rig 4) | Notes: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | Direct - Push | | |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous sampling to 4' in 2' intervals | PACM = Potential asbestos containing material | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Not Encountered | | |
| OTHER OBSERVATIONS: | Phase I. Flag No. 830; former Landfill area – golf course | BORING NO.: 763 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 764 |
| PROJECT NO.: | N1369 | START DATE: | 1/29/04 |
| LOGGED BY: | K. Jatkut | TRANSCRIBED BY: LAH | COMPLETION: DATE: 1/29/04 |
| DRILLED BY (Company/Driller): | ADT/D. Gooley | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | Grass surface | | | |
| | | 2.0' / 2.0' | SBP-SO-764-0002 Screening 1/29/04 @ 1615 | | Frozen | Red-Brown | SAND, some silt, trace gravel, fine-medium sand, trace coarse sand, poorly graded, fine gravel 1/4-1/2" subrounded, organic roots | SM/Fill | Grass/root plug = 2.5" No visible PACM/waste or geomembrane | FID = 0.0 PID = 0.0 |
| 1 | | | | | | | | | | |
| | | | | | Dense | Brown | SAND, some gravel, fine-medium sand, trace coarse sand, poorly graded, fine-coarse gravel to 1" subrounded rock chips/ fragments, plastic debris | SP-GP/ Fill | | |
| 2 | | | | | Loose | Black | SAND, trace gravel, fine-medium sand, poorly graded fine gravel to ½" subrounded | SP/Fill | | |
| | | 2.0' / 2.0' | SBP-SO-764-0204 Screening and confirmation 1/29/04 @ 1620 | | | | SAND, trace silt, trace gravel, similar to above, with more coarse gravel to 1 ¼", organic material (trace wood) | | | FID = 2.0 PID = 0.0 |
| 3 | | | | | Dense | Black-Brown | SAND, some silt, trace gravel, fine-medium sand, trace coarse sand, fine gravel to ½" subrounded, organic roots, reeds, glass shards, burned material, newspaper (burned) | SM/Fill | | FID = 86 PID = 0.0 |
| | | | | | | | | | Damp-wet (fines) at approximately 3' | FID = 36 PID = 0.0 |
| 4 | | | | | | | | | | FID = 199 PID = 0.0 |
| | | | | EOB @ 4' bgs | | | EOB @ 4' bgs - Backfill with Bentonite chips (4' -1') and topsoil (1'- 0') | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GeoProbe – Track mounted (rig 4) | Note: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | Direct - Push | PACM = Potential asbestos containing material | |
| METHOD OF SOIL SAMPLING: | Macro – Core; Open tube, continuous sampling to 4' in 2' intervals | | |
| METHOD OF ROCK CORING: | N/A | FID = B | |
| GROUNDWATER LEVELS: | Not Encountered | PID = B | |
| OTHER OBSERVATIONS: | Phase I. Flag No. 832; former Landfill area – golf course | BORING NO.: 764 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 765 |
| PROJECT NO.: | N1369 | START DATE: | 2/3/04 |
| LOGGED BY: | J. Lambert | COMPLETION: DATE: | 2/3/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ Rob Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JD |

TRANSCRIBED BY: DH

ELEVATION FROM:

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION 0.0' - 0.3' - Grass/roots | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.8' / 2.0' | SBP-SO-765-0002 Screening and Confirmation 2/3/04 @ 0855 | | Slightly Dense | Brown | 0.3' - 0.9' - Silty fine SAND, trace coarse sand | SM | Moist | PID=0.0 FID=8.5 |
| 1 | | | | | | Gray-Brown | 0.9' - 1.5' - Fine-coarse SAND, piece of slag | SW/Fill | | |
| | | | | | | | | | | |
| 2 | | | | | | Tan | 1.5' - 1.8' - Fine-medium SAND, trace angular-subangular fine gravel | SP | | |
| | | 1.2' / 2.0' | SBP-SO-765-0204 Screening 2/3/04 @ 0905 | | | | 0.0' - 0.2' - Similar material to above | | | PID=0.0 FID=135.0 |
| 3 | | | | | | Yellow | 0.2' - 0.3' - Reed and wood fragments and decomposed paper | Fill | | |
| | | | | | | Dark Brown | 0.3' - 0.6' - Silty fine SAND, some organics (roots), trace glass | SM/Fill | Wet | |
| 4 | | | | | Slightly Loose | | 0.6' - 1.2' - Silty fine SAND and wood fragments, some glass | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I FID= D PID= D Flag number 833 Former Landfill area – golf course |

BORING NO.: 765

Tetra Tech NUS, Inc.



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | BORING NO.: 766 |
| PROJECT NO.: | N1369 | | START DATE: 2/3/04 |
| LOGGED BY: | Neb Dedic | TRANSCRIBED BY: DH | COMPLETION: DATE: 2/3/04 |
| DRILLED BY (Company/Driller): | AQUIFER DRILLING & TESTING/ D. Gooley | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.8' / 2.0' | SBP-SO-766-0002 | | Soft | Dark Brown | Silty SAND | SM | Dry, paper | FID=0.0 PID=0.0 |
| 1 | | | 2/3/04 @ 0930 | | | | | | | |
| | | | | | | | | | | |
| 2 | | | | | | | | | | |
| | | 2.0' / 2.0' | SBP-SO-766-0204 | | | Dark Brown | Silty SAND, trace gravel | | Dry, glass pieces, fill, paper | FID=0.0 PID=0.0 |
| 3 | | | 2/3/04 @ 1000 | | | | | | | |
| | | | | | | Brown Dark Brown | Some iron staining | | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE- 4x4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT – PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I 0'-2' and 2'-4' intervals; Sample number 766 Flag number 834 | BORING NO.: 766 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 767 |
| PROJECT NO.: | N1369 | START DATE: | 2/3/04 |
| LOGGED BY: | Neb Dedic | TRANSCRIBED BY: DH | COMPLETION: DATE: 2/3/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/D. Gooley | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.5' / 2.0' | SBP-SO-767-0002 Screening 2/3/04 @ 1005 | | Soft | Brown | SAND with silt, gravel | SM | Dry, wood chips, roots | FID=0.0 PID=0.0 |
| 1 | | | | | | | | | | |
| | | | | | | | | | | |
| 2 | | | | | | | Silty SAND | | | |
| | | 1.4' / 2.0' | SBP-SO-767-0204 Screening 2/3/04 @ 1010 | | | | | | Dry | FID=0.0 PID=0.0 |
| 3 | | | | | | | | | | |
| | | | | | | | | | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4X4 Mule |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I 0'-2' and 2' – 4' intervals: sample # 767 Flag number 317 |

BORING NO.: 767.

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 768 |
| PROJECT NO.: | N1369 | START DATE: | 2/3/04 |
| LOGGED BY: | Neb Dedic | TRANSCRIBED BY: DH | COMPLETION: DATE: 2/3/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/D. Gooley | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.3' / 2.0' | SBP-SO-768-0002 Screening 2/3/04 @ 1025 | | | Brown | Silty SAND | SM | Top frozen Dry Plastic bags | FID=0.0 PID=0.0 |
| 1 | | | | | | | | | | |
| | | | | | | | | | | |
| 2 | | | | | | | | | | |
| | | 0.8' / 2.0' | SBP-SO-768-0204 Screening 2/3/04 @ 1030 | | | | | | Moist Plastic, wood chips, fill material | FID=0.0 PID=0.0 |
| 3 | | | | | | | | | | |
| | | | | | | | | | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4X4 Mule |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I 0' -2' and 2'-4' intervals: sample number 768 Flag number 329 |

BORING NO.: 768.

*Tetra Tech NUS, Inc.*



TTNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 769 |
| PROJECT NO.: | N1369 | START DATE: | 2/3/04 |
| LOGGED BY: | Neb Dedic | TRANSCRIBED BY: DH | COMPLETION: DATE: 2/3/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/D. Gooley | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.0' / 2.0' | SBP-SO-769-0002 Screening 2/3/04 @ 1038 | | Soft | Brown | Silty SAND | SM | Top frozen Dry | FID=0.0 PID=0.0 |
| 1 | | | | | | | | | | |
| | | | | | | | | | | |
| 2 | | | | | | Light Brown | SAND with silt | | | |
| | | 1.7' / 2.0' | SBP-SO-769-0204 Screening 2/3/04 @ 1045 | | | | | | Dry | FID=0.0 PID=0.0 |
| 3 | | | | | | | | | | |
| | | | | | | Gray/Brown | Bottom 8" of sleeve – color change only | | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4X4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I 0' – 2' and 2' – 4' intervals; Sample number 769 Flag number 311 | BORING NO.: 769 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 770 |
| PROJECT NO.: | N1369 | | | START DATE: | 2/3/04 |
| LOGGED BY: | Neb Dedic | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 2/3/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/D. Gooley | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.6' / 2.0' | SBP-SO-770-0002 Screening 2/3/04 @ 1050 | | Soft | Brown | Silty SAND, with gravel/fill | SM | Top frozen Dry, Black organic | FID=0.0 PID=0.0 |
| 1 | | | | | | | | | Moist | |
| | | | | | | Brown/Black | Silty SAND | | | |
| 2 | | | | | Medium Soft | Gray | Bottom 4" silty CLAY | ML | | |
| | | 1.5' / 2.0' | SBP-SO-770-0204 Screening 2/3/04 @ 1055 | | | Gray - Brown | Top 2" SILT with sand | SM | Moist Fill material | FID=0.0 PID=0.0 |
| 3 | | | | | | | | | | |
| | | | | | | Brown | | | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4X4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I 0'-2' and 2'-4' intervals; Sample number 770, Flag Number 835 | BORING NO.: 770. | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 771 |
| PROJECT NO.: | N1369 | START DATE: | 2/3/04 |
| LOGGED BY: | Neb Dedic | TRANSCRIBED BY: DH | COMPLETION: DATE: 2/3/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/D. Gooley | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.5' / 2.0' | SBP-SO-771-0002 Screening 2/3/04 @ 1150 | | Soft | Brown | Silty SAND | SM | Top frozen Dry, fill material present | FID=0.0 PID=0.0 |
| 1 | | | | | | | | | | |
| | | | | | | | | | | |
| 2 | | | | | | | | | | |
| | | 1.4' / 2.0 | SBP-SO-771-0204 Screening 2/3/04 @1200 | | | | | | Dry, fill material present | FID=63 PID=21 |
| 3 | | | | | | | | | | |
| | | | | | | Gray/ Black | | | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4X4 Mule | | *Tetra Tech NUS, Inc.* |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I 0'-2' and 2'-4' intervals; Sample number 771 Flag number 621 | BORING NO.: 771 . | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | | BORING NO.: | 772 |
| PROJECT NO.: | N1369 | | | START DATE: | 2/3/04 |
| LOGGED BY: | Neb Dedic | TRANSCRIBED BY: | DH | COMPLETION: DATE: | 2/3/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/D. Gooley | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.4' / 2.0' | SBP-SO-772-0002 Screening 2/3/04 @ 1210 | | Soft | Brown | Silty SAND (top 4") | SM | Dry Rock fragments, Fill material | FID=0.0 PID=0.0 |
| 1 | | | | | | Light Brown | SAND with silt | | | |
| | | | | | | | | | | |
| 2 | | | | | | | | | | |
| | | 1.6' / 2.0' | SBP-SO-772-0204 Screening 2/3/04 @ 1215 | | | Black/Gray | | | Black (approximately 6" organic) | FID=19 PID=0.0 |
| 3 | | | | | | Gray | | | Dry Fill material | |
| | | | | | | | | | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4X4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I 0'-2' and 2'-4' intervals; Sample number 772 Flag Number 674 | BORING NO.: 772 . | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 773 |
| PROJECT NO.: | N1369 | START DATE: | 2/3/04 |
| LOGGED BY: | Neb Dedic | TRANSCRIBED BY: DH | COMPLETION: DATE: 2/3/04 |
| DRILLED BY (Company/Driller): | AQUIFER DRILLING & TESTING/D. Gooley | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.7' / 2.0' | SBP-SO-773-0002 Screening 2/3/04 @ 1405 | | Soft | Dark Brown | Silty SAND | SM | Top frozen Dry | FID=0.0 PID=0.0 |
| 1 | | | | | | | | | | |
| | | | | | | | | | | |
| 2 | | | | | | | | | | |
| | | 1.8' / 2.0' | SBP-SO-773-0204 Screening 2/3/04 @ 1410 | | | Dark Brown | Silty SAND | | Dry, glass pieces | FID=0.0 PID=0.0 |
| 3 | | | | | | Light Brown | SAND with silt | | | |
| | | | | | | Dark Brown | | | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4X4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I 0'-2' and 2'-4' intervals; Sample number 773 Flag number 712 | BORING NO.: 773 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 774 |
| PROJECT NO.: | N1369 | START DATE: | 2/3/04 |
| LOGGED BY: | Neb Dedic | TRANSCRIBED BY: DH | COMPLETION: DATE: 2/3/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ D. Gooley | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 2.0' / 2.0' | SBP-SO-774-0002 2/3/04 @ 1500 | | Soft | Dark Brown | 0' – 0.6' - Silty SAND | SM | Dry | FID=0.0 PID=0.0 |
| 1 | | | | | | Light Brown | 0.6' – 1.2' - SAND with silt (6") | SW | | |
| | | | | | | Gray | SAND with silt | | | |
| 2 | | | | | | | | | | |
| | | 1.8' / 2.0' | SBP-SO-774-0204 2/3/04 @ 1505 | | | | | | Dry | FID=0.0 PID=0.0 |
| 3 | | | | | | | | | | |
| | | | | | | | | | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE- 4x4 Mule | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT – PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO-CORE | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I , 0'-2' and 2'-4' intervals; Sample number 774 Flag number 730 | BORING NO.: 774 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 775 |
| PROJECT NO.: | N1369 | START DATE: | 2/04/04 |
| LOGGED BY: | N. Dedic | COMPLETION: DATE: | 2/04/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ R. Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JL |
| TRANSCRIBED BY: | DH | | |
| ELEVATION FROM: | | | |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 2.0' / 2.0' | SBP-SO-775-0002<br>2/4/04 @ 1105 | | Soft | Brown | Silty SAND, some gravel | SM | Dry (top frozen) | FID=0.0<br>PID=0.0 |
| 2 | | | | | | Brown Gray | SAND, some silt and gravel (bottom 7") | SW | Dry | |
| 3 | | 1.5' / 2.0' | SBP-SO-775-0204<br>2/4/04 @ 1115 | | | Gray | SAND, some silt and gravel | | Dry | FID=252<br>PID=0.0 |
| 4 | | | | | | | | | Moist/Wet | |
| 5 | | 0.5' / 2.0' | Sample not sent for analysis | | | | | | Wet | FID=5.5<br>PID=0.0 |
| 6 | | | | | | | | | | |
| | | | | EOB @ 6' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE- Track – mounted |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I Flag number 837 |

BORING NO.: 775

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 776 |
| PROJECT NO.: | N1369 | START DATE: | 2/4/04 |
| LOGGED BY: | Neb Dedic | COMPLETION: DATE: | 2/4/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ R.Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JL |

TRANSCRIBED BY: DH

ELEVATION FROM:

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 2.0' / 2.0' | SBP-SO-776-0002 | | Soft | Brown | Silty SAND, trace coarse sand/gravel/fill | SM | Top frozen | FID=0.0 PID=0.0 |
| 1 | | | 2/4/04 @ 1140 | | | | | | Dry | |
| | | | | | | | | | Moist Tiny glass pieces | |
| 2 | | | | | | | | | | |
| | | 1.1' / 2.0' | SBP-SO-776-0204 | | | | Silty SAND (4") | | Moist | FID=0.0 PID=0.0 |
| 3 | | | 2/4/04 @ 1150 | | | Gray | SAND, trace coarse sand, silt, gravel | SW | Glass pieces | |
| | | | | | | | | | | |
| 4 | | | | | | | | | Wet | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE- Track- mounted |
| METHOD OF ADVANCING BORING: | DIRECT – PUSH |
| METHOD OF SOIL SAMPLING: | MACRO – CORE |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | Approximately 4' |
| OTHER OBSERVATIONS: | Phase I Flag number 836 |

BORING NO.: 776

Tetra Tech NUS, Inc.



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 777 |
| PROJECT NO.: | N1369 | START DATE: | 2/4/04 |
| LOGGED BY: | Neb Dedic | COMPLETION: DATE: | 2/4/04 |
| DRILLED BY (Company/Driller): | AQUIFER DRILLING & TESTING/ R.Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JL |

TRANSCRIBED BY: DH

ELEVATION FROM:

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.75' / 2.0' | SBP-SO-777-0002 2/4/04 @ 1215 | | Soft | Reddish Brown | Silty SAND, trace clay, gravel/fill | SC | Top frozen Moist | FID=62 PID=0.0 |
| 1 | | | | | | | | | | |
| | | | | | | Gray | SAND with silt, some gravel/fill (bottom 9") | SW | | |
| 2 | | | | | | | | | | |
| | | 2.0' / 2.0' | SBP-SO-777-0204 2/4/04 @ 1220 | | | | SAND, some silt, gravel/fill | | Moist Glass, metal pieces | FID=1308 PID=0.0 |
| 3 | | | | | | | | | | |
| | | | | | | | | | | |
| 4 | | | | | | | | | | |
| | | 1.8' / 2.0' | SBP-SO-777-0406 2/4/04 @ 1230 | | | | | | Glass, metal, ceramic pieces, wood chips – Moist | FID=95 PID=1.5 |
| 5 | | | | | | | | | | |
| | | | | | | Brown | Silty SAND, trace gravel/fill | SM | | |
| 6 | | | | | | | | | | |
| | | 1.0' / 2.0' | SBP-SO-777-0608 2/4/04 @ 1248 | | | | | | Moist | FID=35 PID=0.0 |
| 7 | | | | | | | | | | |
| | | | | | | | | | Wet | |
| 8 | | | | EOB @ 8' bgs | | Gray | Sand, some silt | SW | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track – mounted | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | DIRECT – PUSH | | |
| METHOD OF SOIL SAMPLING: | MACRO – CORE | | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Approximately 8' | | |
| OTHER OBSERVATIONS: | Phase I Flag number 838 | BORING NO.: 777 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 777A |
| PROJECT NO.: | N1369 | START DATE: | 2/5/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: RAC | COMPLETION: DATE: 2/5/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling and Testing/M. Sarro | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) 0 | BLOWS PER 6" NA | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD! | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | SBP-SO-777A-0002 Full Suite less dioxin and SPLP 2/5/04 @ 1045 | | | | Refer to Boring Log Number 777 for soil profiles details | | No PACM visible | |
| 1 | | | | | | | | | | |
| | | | DUP - CLP metals only 2/5/04 @ 1050 | | | | | | | |
| 2 | | | | | | | | | | |
| | | | SBP-SO-777A-0204 Full Suite less dioxin and SPLP 2/5/04 @ 1120 | | | | | | No PACM visible White chalky hard material and tar (solid) in sample | PID = 0.0 |
| 3 | | | | | | | | | | FID = 19.5 |
| | | | Lab QC – CLP metals only | | | | | | | |
| 4 | | | | | | | | | | |
| | | | SBP-SO-777A-0406 Full Suite less dioxin and SPLP 2/5/04 @ 1140 | | | | | | No PACM visible | PID = 0.0 |
| 5 | | | | | | | | | | FID = 235.0 |
| | | | | | | | | | | |
| 6 | | | | | | | | | | |
| | | | SBP-SO-777A-0608 Full Suite less dioxin and SPLP 2/5/04 @ 1200 | | | | | | No PACM visible | |
| 7 | | | | | | | | | | |
| | | | | | | | | | | |
| 8 | | | | EOB @ 8' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – 4 X 4 Mule (rig 1) | Note: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | Direct Push | PACM = Potential asbestos containing material | |
| METHOD OF SOIL SAMPLING: | Macro-Core Open tube. Continuous sampling in 2' intervals | Full Suite = SVOCs, Pesticides/PCBs, metals, dioxin, SPLP metals and PCBs, asbestos, and VOCs | |
| METHOD OF ROCK CORING: | N/A | | |
| GROUNDWATER LEVELS: | Approximately 7.5 ' bgs | | |
| OTHER OBSERVATIONS: | Phase II Flag number 838 Former Landfill Area – golf course PID/FID = D | BORING NO.: 777A | PAGE: 1 OF 1 |

TtNUS Form 0018

BORING LOG FOR: Raymark OU9 RI/FS
PROJECT NO.: N1369
LOGGED BY: Neb Dedic
DRILLED BY (Company/Driller): ADT/ R. Ullmann
GRD. SURFACE ELEVATION:

TRANSCRIBED BY: DH
ELEVATION FROM:

BORING NO.: 778
START DATE: 02/4/04
COMPLETION: DATE: 02/4/04
MON. WELL NO.: N/A
CHECKED BY: JL

| DEPTH (FEET) | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA METHOD = (FID, (PPM)) |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | | | | | | | | | | |
| | | 2.0' / 2.0' | SBP-SO-778-0002 | | Soft | Brown | Silty SAND | SM | Top frozen- saturated | FID=0.0 PID=0.0 |
| 2 | | | 2/4/04 @ 1408 | | | Gray | SAND, trace silt (bottom 8") | SW | Dry | |
| | | 1.5' / 2.0' | SBP-SO-778-0204 | | | | | | Dry | FID=35 PID=0.0 |
| 4 | | | 2/4/04 @ 1425 | | | | | | | |
| | | 1.8' / 2.0' | SBP-SO-778-0406 | | | | | | Dry | FID=0.0 PID=0.0 |
| 6 | | | 2/4/04 @ 1415 | | | | | | | |
| | | 2.0' / 2.0' | SBP-SO-778-0608 | | | | | | Moist Sulfur odor 6.5'-7.5' | FID=95 PID=0.0 |
| 8 | | | 2/4/04 @ 1430 | | | Gray/Black Gray | SAND, trace silt and clay SAND, trace silt | | | |
| | | 2.0' / 2.0' | SBP-SO-778-0810 | | | | | | Moist, wood chips, glass | FID=1210 PID=0.0 |
| 10 | | | 2/4/04 @ 1435 | GW | | | | | Wet | |
| | | | | EOB @10' bgs | | | | | | |

TYPE OF DRILLING RIG: GEOPROBE – Track – mounted
METHOD OF ADVANCING BORING: Direct push
METHOD OF SOIL SAMPLING:
METHOD OF ROCK CORING:
GROUNDWATER LEVELS: Approximately 10'
OTHER OBSERVATIONS: Phase I Flag number 839

BORING NO.: 778

Tetra Tech NUS, Inc.



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 779 |
| PROJECT NO.: | N1369 | START DATE: | 2/4/04 |
| LOGGED BY: | Neb Dedic | COMPLETION: DATE: | 2/4/04 |
| DRILLED BY (Company/Driller): | ADT/ R. Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JL |

TRANSCRIBED BY: DH

ELEVATION FROM:

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.08' / 2.0' | SBP-SO-779-0002 | | Soft | Brown | Silty SAND | SM | Top frozen | FID=0.0 PID=0.0 |
| 1 | | | 2/4/04 @ 1507 | | | | | | Dry | |
| 2 | | | | | | | | | | |
| | | 1.5' / 2.0' | SBP-SO-779-0204 | | | Brown/ Gray | SAND with some silt | SW | Moist | FID=0.0 PID=0.0 |
| 3 | | | 2/4/04 @ 1512 | | | | | | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track - mounted |
| METHOD OF ADVANCING BORING: | Direct Push |
| METHOD OF SOIL SAMPLING: | |
| METHOD OF ROCK CORING: | |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | Phase I Flag number 840 |

BORING NO.: 779

*Tetra Tech NUS, Inc.*

PAGE: 1 OF 1

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 780 |
| PROJECT NO.: | N1369 | START DATE: | 2/4/04 |
| LOGGED BY: | Neb Dedic | COMPLETION: DATE: | 2/4/04 |
| DRILLED BY (Company/Driller): | ADT/ R. Ullmann | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JL |

TRANSCRIBED BY: DH

ELEVATION FROM:

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD* | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 2.0' / 2.0' | SBP-SO-780-0002 | | Soft | Red/ Brown | Silty SAND, trace clay and gravel | SM | Top frozen | FID=2.0 PID=0.0 |
| 1 | | | 2/4/04 @ 1540 | | | | | | Fill, glass Dry | |
| | | | | | | Gray | SAND, some silt, trace gravel | SW | | |
| 2 | | | | | | | | | | |
| | | 1.7' / 2.0' | SBP-SO-780-0204 | | | | | | Dry Fill, glass | FID=8.0 PID=0.0 |
| 3 | | | 2/4/04 @ 1545 | | | | | | | |
| 4 | | | | | | | | | | |
| | | | | EOB @ 4' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | | | |
| METHOD OF SOIL SAMPLING: | | | |
| METHOD OF ROCK CORING: | | | |
| GROUNDWATER LEVELS: | | | |
| OTHER OBSERVATIONS: | Phase I Flag number 841 | BORING NO.: 780 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | BORING NO.: | 781A |
| PROJECT NO.: | N1369 | START DATE: | 2/5/04 |
| LOGGED BY: | J. Lambert | COMPLETION: DATE: | 2/5/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ D. Gooley | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JD |

TRANSCRIBED BY: DH

ELEVATION FROM:

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD Screening DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | 0' - 0.2' - Grass/roots | | | |
| | | 1.8' / 2.0' | SBP-SO-781A-0002 Screening 2/5/04 @ 0850 | | Slightly Dense | Dark Red | 0.2' - 0.7' - Silty fine-medium SAND | SM | Moist | PID=0.0 FID=0.5 |
| 1 | | | | | Slightly Loose | Brown | 0.7' - 1.4' - Fine-coarse SAND, some fine gravel | SW | | |
| | | | | | | Tan Brown | 1.4' - 1.6' - Fine-medium SAND<br>1.6' - 1.7' - Similar material to above | SP | | |
| 2 | | | | | | Tan | 1.7' - 1.8'- Similar material to above | | | |
| | | 1.2' / 2.0' | SBP-SO-781A-0204 Screening 2/5/04 @ 0900 | | | | 0' - 0.4' - Similar material to above | | | PID=0.0 FID=27.5 |
| 3 | | | | | | Dark Brown | 0.4' - 0.7' - Silty fine-medium SAND, some coarse gravel, trace glass | SM/Fill | | |
| | | | | | | Dark Gray | 0.7' - 1.2' - Fine-coarse SAND, some subrounded gravel | SW | | |
| 4 | | | | | | | | | | |
| | | 1.2' / 2.0' | SBP-SO-781A-0406 Screening 2/5/04 @ 0910 | | | | 0' - 0.4' - Fine-coarse SAND and medium GRAVEL | | | PID=0.0 FID=16.7 |
| 5 | | | | | | Dark Brown | 0.4' - 0.6' - Fine SAND, some medium sand, some organics (roots) | SP | | |
| | | | | | | Gray | 0.6' - 0.8' - Fine-medium SAND | | Brittle rubber fragments in sample | |
| 6 | | | | | | Black Brown | 0.8' - 0.9' - Fine-medium SAND<br>0.9' - 1.2' - Silty fine-medium SAND, some wood | SM/Fill | | |
| | | 0.7' / 2.0' | SBP-SO-781A-0608 Screening 2/5/04 @ 0920 | | Slightly Dense | | 0' - 0.1' - Silty fine SAND and paint chips, some glass | | | PID=0.0 FID=15.9 |
| 7 | | | | | Slightly Loose | Gray Black | 0.1' - 0.2' - Fine-medium SAND<br>0.2' - 0.5' - Fine sandy SILT, some wood fragments, trace roots | SP ML/Fill | | |
| | | | | | | Tan | 0.5' - 0.7' - Fine-coarse SAND, trace fine gravel, roofing tile fragments | SW/Fill | | |
| 8 | | | | EOB @ 8' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | Approximately 7.3' |
| OTHER OBSERVATIONS: | Phase II FID=D PID=D Flag number 843 Former Landfill area – golf coarse |

BORING NO.: 781A

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS | | BORING NO.: 782A |
| PROJECT NO.: | N1369 | | START DATE: 2/5/04 |
| LOGGED BY: | J. Lambert | TRANSCRIBED BY: DH | COMPLETION: DATE: 2/5/04 |
| DRILLED BY (Company/Driller): | Aquifer Drilling & Testing/ D. Gooley | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JD |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | 0' - 0.2' - Grass/roots | | | |
| | | 1.9' / 2.0' | SBP-SO-782A-0002 Screening and Confirmation 2/5/04 @ 0950 | | Slightly Dense | Dark Brown | 0.2' - 0.5' - Fine-medium SAND, some silt, trace organics (roots) | SP | Frozen (top 0.5') | PID=0.0 FID=0.0 |
| 1 | | | | | Slightly Loose | Tan | 0.5' - 0.8' - Fine-medium SAND, trace coarse sand | SW | Moist | |
| | | | | | Loose | | 0.8' - 1.4' - Fine-coarse SAND, trace fine subrounded gravel | | | |
| 2 | | | | | Slightly Loose | Brown | 1.4' - 1.9' - Fine-medium SAND | SP | | |
| | | 1.8' / 2.0' | SBP-SO-782A-0204 Screening 2/5/04 @ 1000 | | | | 0' - 0.6' - Similar to above | | | PID=0.0 FID=112.8 |
| 3 | | | | | Slightly Dense | Dark Brown | 0.6' - 1.1' - Silty fine-medium SAND | SM | | |
| | | | | | | | 1.1' - 1.5' - WOOD (processed) | Fill | Dry | |
| 4 | | | | | Slightly Loose | | 1.5' - 1.8' - Fine-medium SAND, some silt, trace glass | SP/Fill | Moist | |
| | | 1.5' / 2.0' | SBP-SO-782A-0406 Screening 2/5/04 @ 1005 | | | Brown | 0' - 0.2' - Silty fine-medium SAND, some coarse sand | SM | | PID=0.0 FID=13.8 |
| 5 | | | | | | | 0.2' - 0.9' - Fine-medium SAND, some silt, rubber pieces, glass ceramic tile, paint chips | SP/Fill | | |
| | | | | | | | | | | |
| 6 | | | | | | Gray | 0.9' - 1.3' - Fine-coarse SAND, trace fine gravel, piece of metal | SW/Fill | | |
| | | 1.4' / 2.0' | SBP-SO-782A-0608 Screening 2/5/04 @ 1015 | | | | 0' - 0.6' - Similar to above | | | PID=0.0 FID=56.8 |
| 7 | | | | | | Brown | 0.6' - 0.9' - Fine-medium SAND, trace coarse sand | SW | | |
| | | | | | | Gray | 0.9' - 1.1' - Fine-medium SAND | SP | Wet | |
| 8 | | | | EOB @ 8' bgs | | Dark Red | 1.1' - 1.4' - Fine sandy SILT, trace white gooey material that forms strings when stretched | ML/Fill | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | GEOPROBE – Track- mounted (rig 2) |
| METHOD OF ADVANCING BORING: | DIRECT- PUSH |
| METHOD OF SOIL SAMPLING: | MACRO-CORE Open tube continuous samples to 4 feet in 2 foot intervals |
| METHOD OF ROCK CORING: | N/A |
| GROUNDWATER LEVELS: | Approximately 7.5' bgs |
| OTHER OBSERVATIONS: | Phase II FID=D PID=D Flag number 842 Former Landfill area – golf course |

BORING NO.: 782A

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

BORING LOG FOR: Raymark OU9 RI/FS – Stratford Landfill
PROJECT NO.: N1369-0320
LOGGED BY: J. Danieli
DRILLED BY (Company/Driller): Dragin/B. Swiatek/S. Sanford
GRD. SURFACE ELEVATION:

TRANSCRIBED BY: RAC
ELEVATION FROM:

BORING NO.: SL-SB-300
START DATE: 1/15/04
COMPLETION: DATE: 1/22/04
MON. WELL NO.: N/A
CHECKED BY: JL

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING * DATA METHOD = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | | | | | | | | | | |
| | 11 | 1.6' / 2.0' | SL-SO-300-0002 | Landfill | Frozen | Brown | SAND – approximately 2" with phragmites stems. Fine-medium sand | SP | Frozen | FID = 0 PID = 0 |
| | 9 | | | | | Black | Possible Burnt ash | Fill | | |
| | 21 | | | | | Gray | Piece of boulder | ---- | | |
| 2 | 22 | | 1/15/04 @ 1304 | | | Black | Fine – medium SAND, some gravel, pieces of plastic, asphalt | SW | | |
| | 11 | 0.6' / 2.0' | SL-SO-300-0204 | | Loose | Brown | Fine – medium SAND, trace fine-medium gravel | SW | Dry | FID = 0 PID = 0 |
| | 9 | | | | | | | | | |
| | 9 | | | | | | | | | |
| 4 | 10 | | 1/15/04 @ 1320 | | | | | | | |
| | 5 | 1.0' / 2.0' | SL-SO-300-0406 | | Loose | Olive Gray | Fine silty SAND, piece of quartz (0.2" long). Trash bag with pieces of woodchips (0.4" long) and twigs | SM | Moist | FID = 0 PID = 0 |
| | 5 | | | | | | | | | |
| | 3 | | | | | | | | | |
| 6 | 4 | | 1/15/04 @ 1346 | | | | | | | |
| | 2 | | NO RECOVERY | | | | NO RECOVERY – NO SAMPLE | | Wet ** | FID = NA PID = NA |
| | 2 | | | | | | | | | |
| | 2 | | | | | | | | | |
| 8 | 2 | | | | | | | | | |
| | 10 | 1.5' / 2.0' | SL-SO-300-0810 | | Dense/ Compact | Olive Gray | Fine silty SAND with fine gravel. Trash bag with pieces of wood (0.4" long). | SM | Wet ** | FID = 0 PID = 0 |
| | 10 | | | | | | | | | |
| | 10 | | | | | | Fine silty SAND, layering noted, trace fine gravel | | | |
| 10 | 19 | | 1/15/04 @ 1420 | | | | | | | |
| | 6 | 1.2' / 2.0' | SL-SO-300-1012 | | Loose | Black | Silty SAND with plastic, brick, grass | SM | Wet ** | FID = 0 PID = 0 |
| | 26 | | | | | | | | | |
| | 40 | | | | | | | | | |
| 12 | 25 | | 1/15/04 @ 1442 | | | | | | | |
| | 8 | | NO RECOVERY | | | | NO RECOVERY – NO SAMPLE – Boulder in nose | | | FID = NA PID = NA |
| | 16 | | | | | | | | | |
| | 16 | | | | | | | | | |
| 14 | 24 | | 1/15/04 | | | | | | | |
| | 13 | 0.6' / 2.0' | NO RECOVERY | | | Black | NO RECOVERY – NO SAMPLE – Wood and sand in nose | | Moist | FID = 0 PID = 0 |
| | 32 | | | | | | | | | |
| | 41 | | | | | | | | | |
| 16 | 45 | | 1/15/04 | | | | | | | |

TYPE OF DRILLING RIG: Hollow Stem Auger – Track Mounted Rig
METHOD OF ADVANCING BORING: HSA
METHOD OF SOIL SAMPLING: 3" split spoon – 140 lb hydraulic hammer 30" drop
METHOD OF ROCK CORING: NA
GROUNDWATER LEVELS: Perched water table approximately 8 ft bgs
OTHER OBSERVATIONS:

Note:
Environmental boring
* = screen spoon with FID and PID
** = Perched water table in Landfill

Tetra Tech NUS, Inc.

BORING NO.: SL-SB-300



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS – Stratford Landfill | BORING NO.: | SL-SB-300 |
| PROJECT NO.: | N1369-0320 | START DATE: | 1/15/04 |
| LOGGED BY: | J. Danieli | COMPLETION: DATE: | 1/22/04 |
| DRILLED BY (Company/Driller): | Dragin/B. Swiatek/G. Donahue | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JL |

TRANSCRIBED BY: RAC

ELEVATION FROM:

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 16 | | | | | | | | | | |
| | 29 | 0.4' / 2.0' | SL-SO-300-1618 | Landfill | Loose | Black | Mucky FILL – pieces of wood, plastic, piece of cloth, decomposed leaves, twigs, 1 piece of gravel | Fill | Wet<br>Odor ? | FID = 0<br>PID = 0 |
| | 61 | | | | | | | | | |
| | 29 | | | | | | | | | |
| 18 | 19 | | 1/22/04 @ 0910 | | | | | | | |
| | 16 | 0.75' / 2.0' | SL-SO-300-1820 | | | | | | Wet | FID = 0<br>PID = 0 |
| | 17 | | | | | | | | | |
| | 10 | | | | | | | | | |
| 20 | 14 | | 1/22/04 @ 0920 | | | | Silty SAND and pieces of glass in nose | SM | | |
| | 15 | 0.75' / 2.0' | SL-SO-300-2022 | | | | | | Wet | FID = 0<br>PID = 0 |
| | 21 | | | | | | | | | |
| | 49 | | | | | | | | | |
| 22 | 16 | | 1/22/04 @ 0930 | | | | Silty SAND – trace gravel and piece of metal (2") in nose | | | |
| | 14 | 1.0' / 2.0' | SL-SO-300-2224 | | | Black -Dark Brown | Silty sand, trace gravel, pieces of plastic | | Moist | FID = 0<br>PID = 0 |
| | 19 | | | | | | | | | |
| | 21 | | | | | Tan | Possible dried pieces of paint in nose | | | |
| 24 | 20 | | 1/22/04 @ 0940 | | | | | | | |
| | 24 | | **NO RECOVERY** | | | | **NO RECOVERY – NO SAMPLE** – Wood chunks in nose | | Wet | FID = 0<br>PID = 0 |
| | 26 | | | | | | | | | |
| | 39 | | | | | | | | | |
| 26 | 46 | | 1/22/04 | | | | | | | |
| | 100 for 6" | | **NO RECOVERY** | | | | **NO RECOVERY – NO SAMPLE** – assumed to be large piece of wood? | | | FID = NA<br>PID = NA |
| 28 | | | 1/22/04 | | | | | | | |
| | 21 | | **NO RECOVERY** | | | | **NO RECOVERY – NO SAMPLE** – Large chunk of compressed plastic in nose | | Wet | FID = NA<br>PID = NA |
| | 19 | | | | | | | | | |
| | 24 | | | | | | | | | |
| 30 | 20 | | 1/22/04 | | | | | | | |
| | 14 | | **NO RECOVERY** | | | | **NO RECOVERY – NO SAMPLE** – Wood pieces in nose | | | FID = NA<br>PID = NA |
| | 9 | | | | | | | | | |
| | 10 | | | | | | | | | |
| 32 | 10 | | 1/22/04 | | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | Track Mounted Rig – Change over to Truck mounted Rig – CME |
| METHOD OF ADVANCING BORING: | Hollow Stem Auger |
| METHOD OF SOIL SAMPLING: | 3" split spoon – 140 lb hydraulic hammer, 30" drop |
| METHOD OF ROCK CORING: | NA |
| GROUNDWATER LEVELS: | Perched water table approximately 8 ft bgs |
| OTHER OBSERVATIONS: | |

Note:
Environmental boring

BORING NO.: SL-SB-300

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS – Stratford Landfill | | |
| PROJECT NO.: | N1369-0320 | | |
| LOGGED BY: | J. Danieli | TRANSCRIBED BY: | RAC |
| DRILLED BY (Company/Driller): | Dragin/B. Swiatek/G. Donahue | | |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | |

| | |
|---|---|
| BORING NO.: | SL-SB-300 |
| START DATE: | 1/15/04 |
| COMPLETION: DATE: | 1/22/04 |
| MON. WELL NO.: | N/A |
| CHECKED BY: | JL |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 32 | | | | | | | | | | |
| | 2<br>1 | 0.85'/2.0' | SL-SO-300-3234 | Landfill | Loose | Dark Brown | Silty SAND – soupy texture, trace gravel, pieces of wood, glass | SM | Wet<br>Note: NR = not recorded | FID = NR<br>PID = NR |
| 34 | 2<br>2 | | 1/22/04 @ 1040 | | | | Glass, brick, gravels in nose | | | |
| | 3<br>2 | 0.35'/2.0' | **NO SAMPLE RECOVERY TOO LOW** | | | | SAND with pieces of glass, some gravel, wood chips, possible peat layers | SW | Wet<br>Note: No sample Recovery too low, not enough material to sample | FID = 0<br>PID = 0 |
| 36 | 2<br>3 | | | | | | | | | |
| | 10<br>21 | 0.4'/2.0' | SL-SO-300-3638 | | | | Silty SAND, pieces of plastic, organic material- Peat? – in nose | SM | Wet<br>Sulfur odor | FID = 0<br>PID = 0 |
| 38 | 29<br>35 | | 1/22/04 @ 1128 | | | | | | | |
| | 3<br>3 | 2.0'/2.0' | **NO SAMPLE** | Natural materials | Dense | | PEAT – highly organic – mass of compact roots and fibers, silty material, decayed leaves in nose. | PT | Wet<br>Sulfur odor | FID = 0<br>PID = 0 |
| 40 | 4<br>3 | | | | | | | | | |
| | | | | EOB @ 40 ' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | Track Mounted Rig – Change over to Truck mounted Rig – CME | | *Tetra Tech NUS, Inc.* |
| METHOD OF ADVANCING BORING: | Hollow Stem Auger | Note: | |
| METHOD OF SOIL SAMPLING: | 3" split spoon – 140 lb hydraulic hammer 30" drop | Environmental boring to identify potential Raymark waste | |
| METHOD OF ROCK CORING: | NA | | |
| GROUNDWATER LEVELS: | Perched water table approximately 8 ft bgs | | |
| OTHER OBSERVATIONS: | | BORING NO.: SL-SB-300 | PAGE: 3 OF 3 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS – Stratford Landfill | BORING NO.: | SL-SB-301 |
| PROJECT NO.: | N1369 | START DATE: | 1/19/04 |
| LOGGED BY: | M. Healey/J. Danieli | COMPLETION: DATE: | 1/21/04 |
| DRILLED BY (Company/Driller): | Dragin/B. Swiatek/G. Donahue | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JL |

TRANSCRIBED BY: RAC

ELEVATION FROM:

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | | | | | | | | | | |
| | 71 | 1.75' / 2.0' | SL-SO-301-0002 | Landfill | | | Silty SAND, fine-medium sand with silt and angular gravel to 2" | SM | | |
| | 61 | | | | | | | | | |
| | 62 | | | | | | | | | |
| 2 | 29 | | 1/19/04 @ 1130 | | | | | | | |
| | 19 | 1.5' / 2.0' | SL-SO-301-0204 | | | | SILT, silt with occasional gravel, 1 piece of 2" gravel | ML | | |
| | 20 | | | | | | | | | |
| | 24 | | | | | | | | | |
| 4 | 21 | | 1/19/04 @ 1140 | | | | | | | |
| | 26 | 1.1' / 2.0' | SL-SO-301-0406 | | Dense | Black | SILT, some sand, trace roots, pieces of wood chips | ML | Dry | PID = 0.0<br>FID = 0.7 * |
| | 14 | | | | | | | | | |
| | 17 | | | | | | | | | |
| 6 | 18 | | 1/19/04 @ 1215 | | | | | | | |
| | 14 | 0.75' / 2.0' | SL-SO-301-0608 | | Loose | Black | Silty SAND, some angular gravel pieces of white Styrofoam , wire, trash bags | SM/Fill | Moist | PID = 0.0<br>FID = 0.9 * |
| | 17 | | | | | | | | | |
| | 15 | | | | | | | | | |
| 8 | 12 | | 1/19/04 @ 1230 | | | | | | | |
| | 16 | 0.75' / 2.0' | SL-SO-301-0810 | | | | Possible brake pad pieces, spongy white material | | Moist | PID = 0.0<br>FID = 0.2 * |
| | 19 | | | | | | | | | |
| | 17 | | | | | | | | | |
| 10 | 24 | | 1/19/04 @ 1250 | | | | | | | |
| | 17 | 0.5' / 2.0' | SL-SO-301-1012 | | | | Pieces of brick, wood, spongy white material (possible dry paint) | | | ** PID = 41 |
| | 21 | | | | | | | | | |
| | 19 | | | | | | | | | |
| 12 | 20 | | 1/19/04 @ 1410 | | | | | | | |
| | 100 for 5" | | **NO RECOVERY** | | | | **NO RECOVERY – NO SAMPLE –** Slough from above intervals | | | |
| 14 | | | | | | | | | | |
| | 14 | 2.0' / 2.0' | SL-SO-301-1416 | | Loose | Black | Silty SAND – pieces of wood (2"), plastic Hostess wrappers, trace gravel, plastic trash bag | SM/Fill | Dry | PID = ***<br>FID = 0.1 |
| | 12 | | | | | | | | | |
| | 16 | | | | | | | | | |
| 16 | 19 | | 1/20/04 @ 1225 | | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | Track Mounted – CME – 1/19/04, Truck Mounted CME 1/20/04 |
| METHOD OF ADVANCING BORING: | Hollow Stem Auger to 31' bgs |
| METHOD OF SOIL SAMPLING: | 3" split spoon – 140 lb hydraulic hammer 30" drop |
| METHOD OF ROCK CORING: | NA |
| GROUNDWATER LEVELS: | |
| OTHER OBSERVATIONS: | |

Note:
Environmental boring to natural materials, then Geotechnical boring
* = FID reading 0.7 ambient air
** = FID flame not starting
*** = PID not starting

*Tetra Tech NUS, Inc.*

BORING NO.: SL-SB-301



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS – Stratford Landfill | BORING NO.: | SL-SB-301 |
| PROJECT NO.: | N1369 | START DATE: | 1/19/04 |
| LOGGED BY: | M. Healey/J. Danieli | COMPLETION: DATE: | 1/21/04 |
| DRILLED BY (Company/Driller): | Dragin/B. Swiatek/G. Donahue | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JL |
| TRANSCRIBED BY: | RAC | | |
| ELEVATION FROM: | | | |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 16 | | | | | | | | | | |
| | 9 | 1.0' / 2.0' | SL-SO-301-1618 | Landfill | Loose | Black | Silty SAND with wood chips and plastic Hostess wrappers (0.6 feet) | SM | Dry | PID = *** FID = 0 |
| | 7 | | | | | | | | | |
| | 8 | | | | | | | | | |
| 18 | 8 | | 1/20/04 @ 1247 | | | | | | | |
| | 1 | | NO RECOVERY | | | | NO RECOVERY – NO SAMPLE – Material in nose is same as above, with a piece of steel 2" long | | Moist | PID = *** FID = 0 |
| | 2 | | | | | | | | | |
| | 2 | | | | | | | | | |
| 20 | 2 | | | | | | | | | |
| | 4 | 1.0' / 2.0' | SL-SO-301-2022 | | Loose | | Silty SAND – pieces of plastic, wood, possible brown slag | | Moist Possible odor | PID = 0 FID = 0 |
| | 7 | | | | | | | | | |
| | 7 | | | | | | | | | |
| 22 | 9 | | 1/20/04 @ 1410 | | | | | | | |
| | 3 | 0.8' / 2.0' | SL-SO-301-2224 | | | Brown | Thin SAND layer | SP | Dry | PID = 0 FID = ** |
| | 3 | | | | | | | | | |
| | 4 | | | | | Black | Silty SAND with cinder, brick, glass, wood | SM | | |
| 24 | 3 | | 1/20/04 @ 1533 | | | | | | | |
| | 4 | 1.5' / 2.0' | SL-SO-301-2426 | | | Black | Silty SAND – pieces of brick, glass, possible brake pad, burnt paper | | Wet PACM noted | PID = 0 FID = ** |
| | 4 | | | | | | | | | |
| | 5 | | | | | | | | | |
| 26 | 5 | | 1/20/04 @ 1555 | | | | | | | |
| | 1 | 1.5' / 2.0' | SL-SO-301-2628 | | | Black | Silty SAND – some pieces of burnt wood | ML/SM | Wet | PID = 0 FID = ** |
| | 2 | | | | | | | | | |
| | 2 | | | | | Olive Gray | SILT and fine silty SAND – layered (possible natural materials) | SM | | |
| 28 | 2 | | 1/20/04 @ 1616 | | | | | | | |
| | 3 | 1.4' / 2.0' | SL-SO-301-2830 | | | Black | Silty SAND, piece of ceramic tile, paper in nose, burnt material, plastic | | Wet | PID = 0 FID = ** |
| | 4 | | | | | | | | | |
| | 4 | | | | | | | | | |
| 30 | 19 | | 1/20/04 @ 1630 | | | | | | | |
| | 4 | 1.8' / 2.0' | SL-SO-301-3032 | | | Black | Silty SAND, pieces of plastic and glass | | Wet | PID = 0 FID = 2.5 |
| | 5 | | | | | | | | | |
| | 7 | | | Natural Materials | Dense | Olive Gray | Organic SILT, layers of brown roots noted. Peat material | OL/PT | Natural material Sulfur odor | |
| 32 | 6 | | 1/21/04 @ 0920 | | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | Truck Mounted – CME |
| METHOD OF ADVANCING BORING: | Hollow Stem Auger to 31' bgs – Drive and Wash after 31' bgs, end environmental sampling |
| METHOD OF SOIL SAMPLING: | 3" split spoon – 140 lb hydraulic hammer 30" drop |
| METHOD OF ROCK CORING: | NA |
| GROUNDWATER LEVELS: | Water table approximately 24 ft bgs |
| OTHER OBSERVATIONS: | |

Note:
Environmental boring to natural materials, then Geotech boring
* = FID reading 0.7 ambient air
** = FID flame not starting
*** = PID not starting
PACM = Potential asbestos containing material

Tetra Tech NUS, Inc.

BORING NO.: SL-SB-301



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS – Stratford Landfill | BORING NO.: | SL-SB-301 |
| PROJECT NO.: | N1369 | START DATE: | 1/19/04 |
| LOGGED BY: | M. Healey/J. Danieli | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/21/04 |
| DRILLED BY (Company/Driller): | Dragin/B. Swiatek/G. Donahue | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 32 | | | | | | | | | | |
| | | | | | Note: Auger to 31' bgs to natural materials – switched over to 3" casing and drive and wash, will spin casing to advance auger stickup above ground surface and 2' (also height of wash tub). Will take split spoon every 5' after taking the first spoon – where rods will break easiest at 38' bgs (so 7' from 31' bgs beginning of natural materials). | | | | |
| 34 | | | | | | | | | | |
| 36 | | | | | | | | | | |
| 38 | | | | | | | | | | |
| | 4 | 1.8' / 2.0' | No environmental samples collected | | Dense | Brown | Organic (roots) silty CLAY | OH | Wet Sulfur odor | PID and FID not Recorded |
| | 4 | | | | | | | | | |
| | 5 | | | | | | | | | |
| 40 | 7 | | 1/21/04 @ 1150 | | | | | | | |
| 42 | | | | | | | | | | |
| | 19 | 1.2' / 2.0' | No environmental samples collected | | Dense | Gray | Gravelly SAND, fine-coarse SAND with some gravel to 1" (rounded), trace silt, possible sandy till | SW | Wet | PID = 0 FID = 0 |
| | 22 | | | | | | | | | |
| 44 | 32 | | | | | | | | | |
| | 48 | | 1/21/04 @ 1230 | | | | | | | |
| 46 | | | | | | | | | | |
| 48 | | | | | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | Truck Mounted – CME |
| METHOD OF ADVANCING BORING: | From 31' bgs – Drive and Wash with 3" casing and roller-bit |
| METHOD OF SOIL SAMPLING: | 2" split spoon – 140 lb hydraulic hammer 30" drop |
| METHOD OF ROCK CORING: | NA |
| GROUNDWATER LEVELS: | Water table approximately 24 ft bgs |
| OTHER OBSERVATIONS: | |

Tetra Tech NUS, Inc.



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS – Stratford Landfill | | BORING NO.: SL-SB-301 |
| PROJECT NO.: | N1369 | | START DATE: 1/19/04 |
| LOGGED BY: | M. Healey/J. Danieli | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/21/04 |
| DRILLED BY (Company/Driller): | Dragin/B. Swiatek/G. Donahue | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 48 | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | 26 | 0.8' / 2.0' | No environmental samples collected | Natural Material | Dense | Gray | Gravelly SAND, fine-coarse sand with some gravel up to 1" (rounded), trace silt. Possible sandy till | SW | Wet | PID = 0 FID = 0 |
| | 24 | | | | | | | | | |
| | 32 | | | | | | | | | |
| 50 | 62 | | 1/21/04 @ 1430 | | | | | | | |
| | | | | EOB @ 50' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | Truck Mounted – CME |
| METHOD OF ADVANCING BORING: | From 31' bgs – Drive and Wash with 3" casing and roller-bit |
| METHOD OF SOIL SAMPLING: | 2" split spoon – 140 lb hydraulic hammer 30" drop |
| METHOD OF ROCK CORING: | NA |
| GROUNDWATER LEVELS: | Water table approximately 24 ft bgs |
| OTHER OBSERVATIONS: | |

BORING NO.: SL-SB-301

Tetra Tech NUS, Inc.



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS – Stratford Landfill | | BORING NO.: SL-SB-302 |
| PROJECT NO.: | N1369-0320 | | START DATE: 1/22/04 |
| LOGGED BY: | J. Danieli | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/22/04 |
| DRILLED BY (Company/Driller): | Dragin/B. Swiatek/G. Donahue | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | 2 | | SL-SO-302-0002 | | Dense | Brown | SILT with leaves and plastic | ML | Dry | FID = 0 |
| | 2 | 0.6' / 2.0' | | | | | | | | PID = 0 |
| | 4 | | | | | | | | | |
| 2 | 7 | | 1/22/04 @ 1350 | | | | | | | |
| | 6 | 0.8' / 1.0' | SL-SO-302-0203 | | Loose | Dark Brown | Silty SAND, plastic, leaves, and small wood chips | SM/Fill | Moist | FID = 0 |
| 3 | 100 for 3" | | 1/22/04 @ 1400 | | | | | | | PID = 0 |
| | 14 | | SL-SO-302-0305 | | Loose | Dark Brown to Red Brown | Silty SAND with wood, ash, cinders, plastic | | Moist | FID = 500 |
| | 19 | 1.1' / 2.0' | | | | | | | | PID = 0 |
| | 19 | | | | | Dark Gray | Silty SAND with wood, plastic | | | |
| 5 | 22 | | 1/22/04 @ 1410 | | | | | | | |
| | 16 | | SL-SO-302-0507 | | | Dark Brown | Silty SAND, 1 large piece of gravel (2"), roots, wood chips, plastic | | Moist<br>Strong odor | FID = 2.9 |
| | 21 | 0.6' / 2.0' | | | | | | | | PID = 0 |
| | 30 | | | | | | | | | |
| 7 | 34 | | 1/22/04 @ 1415 | | | | | | | |
| | | | | EOB @ 7' bgs | | | | | | |
| | | | | | | | Note: Stop drilling due to sustained readings (>1000 ppm) with FID in breathing zone. Will return with LEL 02 meter.<br><br>Return on 1/26/04 – Multi Gas Meter continually reads CR = over range – decide to abandon hole and to start new hole (302A) | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | CME – Truck mounted rig | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | HSA | | |
| METHOD OF SOIL SAMPLING: | 3" split spoon – 140 lb hydraulic hammer 30" drop | | |
| METHOD OF ROCK CORING: | NA | | |
| GROUNDWATER LEVELS: | Not observed | | |
| OTHER OBSERVATIONS: | | BORING NO.: SL-SB-302 | PAGE: 1 OF 1 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS - Stratford Landfill | | |
| PROJECT NO.: | N1369 – 0320 | | |
| LOGGED BY: | J. Danieli | TRANSCRIBED BY: | RAC |
| DRILLED BY (Company/Driller): | Dragin/B. Swiateka/G. Donahue | | |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | |

| | |
|---|---|
| BORING NO.: | SL-SB-302A |
| START DATE: | 1/26/04 |
| COMPLETION: DATE: | 1/26/04 |
| MON. WELL NO.: | N/A |
| CHECKED BY: | JL |

| DEPTH (FEET) 0 | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | 3<br>4 | 1.2' / 2.0' | SL-SO-302A-0002 | Landfill | Frozen | Dark Brown | Fine-medium SAND, roots, possible brake pad, trace gravel, pieces of plastic, cinder, paper, chunk of wood in nose | SW | Frozen | PID = 0<br>FID = 2.0 |
| 2 | 9<br>27 | | 1/26/04 @ 1405 | | | | | | | |
| 3 | | | | | **Auger down to 3' to get past obstruction** | | | | | |
| | 6<br>13 | 0.9' / 2.0' | SL-SO-302A-0305 | | | Dark Brown | Silty SAND, plastic, wood chips, light brown possible fiberous material, metal, Budweiser can, possible piece of brake pad. | SM / Fill | Damp, PACM noted | PID = 0<br>FID = 300 |
| 5 | 5<br>6 | | 1/26/04 @ 1425 | | | | | | | |
| | 7<br>14 | 0.7' / 2.0' | SL-SO-302A-0507 | | | | Similar to above with large piece of wood approximately 2" and large piece of rubber approximately 2", brake pad pieces | | Wet<br>PACM noted | PID = 0<br>FID = 3.5 |
| 7 | 16<br>13 | | 1/26/04 @ 1450 | | | | | | | |
| | 6<br>6 | 0.3' / 2.0' | **NO SAMPLE**<br>Not enough sample material | | | | Similar to above with large piece of metal and metal cuttings and piece of tile | | Wet | PID = 0<br>FID = 2.2 |
| 9 | 9<br>14 | | | | | | | | | |
| | 7<br>14 | 1.0' / 2.0' | **NO SAMPLE**<br>Not enough sample material (soil) | | | | Similar to above | | Wet | PID = 0<br>FID = 20 |
| 11 | 19<br>27 | | | | | | | | | |
| | | | | EOB @ 11' bgs | | | Stopped drilling – hole catches fire – small fire – put out by smothering with snow. Decided to abandon hole and 302 area | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | CME – Truck mounted rig |
| METHOD OF ADVANCING BORING: | HSA (through landfill materials) |
| METHOD OF SOIL SAMPLING: | 3" split spoon – 140 lb hydraulic hammer 30" drop |
| METHOD OF ROCK CORING: | NA |
| GROUNDWATER LEVELS: | Not observed |
| OTHER OBSERVATIONS: | |

Note:
Environmental boring
PACM = Potential asbestos containing material

BORING NO.: SL-SB-302A

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS – Stratford Landfill | BORING NO.: | SL-SB-303 |
| PROJECT NO.: | N1369-0320 | START DATE: | 1/22/04 |
| LOGGED BY: | J. Danieli | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/23/04 |
| DRILLED BY (Company/Driller): | Dragin/B. Swiatek/G. Donahue | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | | | | | | | | | | |
| | 41 | 2.0' / 2.0' | SL-SO-303-0002 | | Dense | Dark Brown | SAND and GRAVEL. Pieces of plastic, brick, wood | SW/ GW | Dry | PID = 0 FID = 0 |
| | 69 | | | | | | | | | |
| | 54 | | | | | | | | | |
| 2 | 50 | | 1/22/04 @ 1530 | | | | | | | |
| | 42 | 1.2' / 2.0' | SL-SO-303-0204 | | Loose | Gray | Fine-medium SAND | SP | Dry | PID = 0 FID = 0 |
| | 39 | | | | | White | Cobble (0.3' long) | | | |
| | 23 | | | | | Dark Brown | Fine medium SAND, some silt, wood chips, white/gray piece of cobble (0.3' long) | | | |
| 4 | 29 | | 1/22/04 @ 1540 | | | | | | | |
| | 4 | 1.5' / 2.0' | SL-SO-303-0406 | | | | | | Dry | PID = 0 FID = 0 |
| | 6 | | | | | | | | | |
| | 6 | | | | | | | | | |
| 6 | 5 | | 1/22/04 @ 1550 | | Loose | | | | | |
| | 7 | 1.5' / 2.0' | SL-SO-303-0608 | | | | | | Dry | PID = 0 FID = 6 |
| | 9 | | | | | | | | | |
| | 11 | | | | Dense | Gray | Sandy SILT, some gravel | ML | | |
| 8 | 10 | | 1/22/04 @ 1600 | | | | Silty SAND, some gravel | SM | | |
| | 8 | 0.2' / 2.0' | SL-SO-303-0810 | | | | Sandy SILT, trace gravel, pieces of wood, tile | ML | Dry | PID = 0 FID = 0 |
| | 5 | | | | | | | | | |
| | 5 | | | | | | | | | |
| 10 | 6 | | 1/22/04 @ 1603 | | | | | | | |
| | 6 | 0.6' / 2.0' | SL-SO-303-1012 | | Dense | Dark Brown | Silty SAND, pieces of wood, brick, trace gravel | SM | Dry | PID = 0 FID = 9 |
| | 8 | | | | | | | | | |
| | 7 | | | | | | | | | |
| 12 | 9 | | 1/22/04 @ 1605 | | | | | | | |
| | 3 | 2.0' / 2.0' | SL-SO-303-1214 | | | | | | Dry | PID = 0 FID = 0 |
| | 3 | | | | | | | | | |
| | 3 | | | | | | | | | |
| 14 | 3 | | 1/22/04 @ 1615 | | | Gray | SILT, some sand, trace roots and gravel | ML | | |
| | 5 | 1.4' / 2.0' | SL-SO-303-1416 | | | Dark Brown | Silty SAND with gravel, plastic trash bag, wood chips, leaves | SM | Dry | PID = 0 FID = 3.5 |
| | 9 | | | | | | | | | |
| | 13 | | | | | | | | | |
| 16 | 12 | | 1/22/04 @ 1623 | | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | CME – Truck mounted |
| METHOD OF ADVANCING BORING: | HSA |
| METHOD OF SOIL SAMPLING: | 3" split spoon – 140 lb hydraulic hammer 30" drop |
| METHOD OF ROCK CORING: | NA |
| GROUNDWATER LEVELS: | Water table approximately 38' bgs |
| OTHER OBSERVATIONS: | |

Note: Environmental and Geotechnical boring to identify Raymark waste and identify stability of natural materials

*Tetra Tech NUS, Inc.*

BORING NO.: SL-SB-303



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS – Stratford Landfill | | BORING NO.: SL-SB-303 |
| PROJECT NO.: | N1369-0320 | | START DATE: 1/22/04 |
| LOGGED BY: | J. Danieli | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/23/04 |
| DRILLED BY (Company/Driller): | Dragin/B. Swiatek/G. Donahue | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 16 | | | | | | | | | | |
| | 9 | 0.5' / 2.0' | SL-SO-303-1618 | | Loose | Black | Silty SAND with plastic, twigs, cloth, wood chips, brick | SM | Dry | PID = 5.6 FID = 32 |
| | 31 | | | | | | | | | |
| | 22 | | | | | | | | | |
| 18 | 14 | | 1/22/04 @ 1630 | | | | | | | |
| | 42 | 0.3' / 2.0' | **NO RECOVERY** Recovery too low-not enough sample material | | | | | | Moist | PID = 0 FID = 0 |
| | 50 | | | | | | | | | |
| | 39 | | | | | | | | | |
| 20 | 22 | | | | | | | | | |
| | 9 | 1.0' / 2.0' | SL-SO-303-2022 | | | | Mix of wood chips with silty SAND, primarily wood – large chunk from 0.6' to nose | | Dry | PID = 0 FID = 4 |
| | 13 | | | | | | | | | |
| | 24 | | | | | | | | | |
| 22 | 12 | | 1/22/04 @ 1648 | | | | | | | |
| | 8 | 0.3' / 2.0' | **NO RECOVERY** Recovery too low-not enough sample material | | | | Similar to above with plastic bags and piece of red wood | | Dry | PID = 0 FID = 0 |
| | 13 | | | | | | | | | |
| | 19 | | | | | | | | | |
| 24 | 17 | | | | | | | | | |
| | 14 | | **NO RECOVERY** | | | | **NO RECOVERY** | | | PID = NA FID = NA |
| | 29 | | | | | | | | | |
| | 38 | | | | | | | | | |
| 26 | 51 | | | | | | | | | |
| | 19 | 0.5' / 2.0' | SL-SO-303-2628 | | Loose | Black | Fine-coarse SAND with gravel, plastic, wood (red wood pieces), nails, glass | SW | Dry | * PID = NA FID = 1.0 |
| | 23 | | | | | | | | | |
| | 21 | | | | | | | | | |
| 28 | 25 | | 1/23/04 @ 0844 | | | | | | | |
| | 14 | 0.8' / 2.0' | SL-SO-303-2830 | | | | | | | |
| | 9 | | | | | | | | | |
| | 6 | | | | | | | | | * PID = NA FID = 0 |
| 30 | 12 | | 1/23/04 @ 0850 | | | | | | | |
| | 9 | 0.8' / 2.0' | SL-SO-303-3032 | | | | Fine coarse SAND with gravels and trace silt, plastic, glass, wood, cloth, nails | SW | Moist | * PID = NA FID = 0 |
| | 7 | | | | | | | | | |
| | 10 | | | | | | | | | |
| 32 | 13 | | 1/23/04 @ 0900 | | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | CME – Truck mounted | Note: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | HSA | Environmental and Geotechnical boring to identify Raymark waste and identify stability of natural materials | |
| METHOD OF SOIL SAMPLING: | 3" split spoon – 140 lb hydraulic hammer 30" drop | | |
| METHOD OF ROCK CORING: | NA | * = PID not working correctly – unit damaged | |
| GROUNDWATER LEVELS: | Water table approximately 38' bgs | | |
| OTHER OBSERVATIONS: | | BORING NO.: SL-SB-303 | PAGE: 2 OF 4 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS – Stratford Landfill | BORING NO.: | SL-SB-303 |
| PROJECT NO.: | N1369-0320 | START DATE: | 1/22/04 |
| LOGGED BY: | J. Danieli | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/23/04 |
| DRILLED BY (Company/Driller): | Dragin/B. Swiatek/G. Donahue | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 32 | | | | | | | | | | |
| | 8 | 1.5' / 2.0' | SL-SO-303-3234 | Landfill | Loose | Black | Fine-medium SAND with some gravel and silt, plastic, nails, glass (0.4' long), Plastic Hostess wrappers | SW | Moist | PID = 0 FID = 0 |
| | 36 | | | | | | | | | |
| | 19 | | | | | | | | | |
| 34 | 17 | | 1/23/04 @ 0915 | | | | | | | |
| | 12 | 0.5' / 2.0' | SL-SO-303-3436 | | | | | | | PID = 0 FID = 0 |
| | 100 for 3" | | | | | | | | | |
| | | | | | | | | | | |
| 36 | | | 1/23/04 @ 0922 | | | | | | | |
| | 56 | 0.8' / 2.0' | SL-SO-303-3638 | | | | Approximately 1" of soil, similar to above. Remaining 9" = plastic | Fill | Moist | PID = 0 FID = 0 |
| | 14 | | | | | | | | | |
| | 16 | | | | | | | | | |
| 38 | 100 for 1" | | 1/23/04 @ 0945 | | | | | | | |
| | 14 | 0.7' / 2.0' | SL-SO-303-3839 | | | | Silty SAND, pieces of plastic | SM | Wet Petroleum sheen noted | PID = 0 FID = 0 |
| | 100 for 4" | | | | | | | | | |
| | | | | | | | | | | |
| 40 | | | 1/23/04 @ 1010 | | | | | | | |
| | 8 | 1.0' / 2.0' | SL-SO-303-4042 | | | | Sitly SAND, layer of organic SILT. Pieces of plastic and wood | | Wet (soupy) Rotten egg odor | PID = 0 FID = 0 |
| | 15 | | | | | | | | | |
| | 10 | | | | | | | | | |
| 42 | 10 | | 1/23/04 | | | | | | | |
| | 3 | 0.5' / 2.0' | SL-SO-303-4244 | | | | | | | |
| | 3 | | | | | | | | | |
| | 4 | | | | | | | | | |
| 44 | 5 | | 1/23/04 @ 1039 | | | | Fine-medium SAND, some silt | SP | Wet Sulfur odor | PID = 0 FID = 0 |
| | 9 | 1.0' / 2.0' | SL-SO-303-4445 | | | Dark Gray | Fine-medium SAND, some silt and pieces of plastic | | Wet Sulfur odor | PID = 0 FID = 0 |
| | 6 | | | | | | | | | |
| | 7 | | | Natural materials @ 45' bgs | | | Fine-medium SAND, some silt. No fill material; layering noted | | | |
| 46 | 8 | | 1/23/04 @ 1050 | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| 48 | | | | | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | CME – Truck mounted |
| METHOD OF ADVANCING BORING: | HSA – Drive and Wash, with 3" casing from 45' down |
| METHOD OF SOIL SAMPLING: | 3" split spoon – 140 lb hydraulic hammer 30" drop |
| METHOD OF ROCK CORING: | NA |
| GROUNDWATER LEVELS: | Water table approximately 38' bgs |
| OTHER OBSERVATIONS: | |

Note: Environmental and Geotechnical boring to identify Raymark waste and identify stability of natural materials

BORING NO.: SL-SB-303

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS – Stratford Landfill | BORING NO.: | SL-SB-303 |
| PROJECT NO.: | N1369-0320 | START DATE: | 1/22/04 |
| LOGGED BY: | J. Danieli | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/23/04 |
| DRILLED BY (Company/Driller): | Dragin/B. Swiatek/G. Donahue | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 48 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 50 | | | | Natural material | | | | | | |
| 52 | 9<br>14<br>22<br>31 | 0.25' / 2.0' | **NO ANALYTICAL SAMPLES COLLECTED** | | | | Sandy GRAVEL, fine gravel to 1" with fine medium sand, little coarse sand and trace silt | GW | Wet | |
| 54 | | | | | | | | | | |
| 56 | | | | | | | | | | |
| 58 | 19<br>21<br>18<br>24 | 0.9' / 2.0' | **NO ANALYTICAL SAMPLES COLLECTED** | | | | Gravelly SAND, fine to medium sand with some coarse sand and some fine gravel | SP | Wet | |
| | | | | EOB @ 58' bgs | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | CME – Truck mounted |
| METHOD OF ADVANCING BORING: | HSA – Drive and Wash, with 3" casing from 45' down |
| METHOD OF SOIL SAMPLING: | 2" split spoon – 140 lb hydraulic hammer 30" drop |
| METHOD OF ROCK CORING: | NA |
| GROUNDWATER LEVELS: | Water table approximately 38' bgs |
| OTHER OBSERVATIONS: | |

BORING NO.: SL-SB-303

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS – Stratford Landfill | BORING NO.: | SL-SB-304 |
| PROJECT NO.: | N1369-0320 | START DATE: | 1/26/04 |
| LOGGED BY: | J. Danieli | COMPLETION: DATE: | 1/27/04 |
| DRILLED BY (Company/Driller): | Dragin/B. Swiatek/G. Donahue | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JL |

TRANSCRIBED BY: RAC

ELEVATION FROM:

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | N/A | | | | | | | | | |
| | 46 | 0.7' / 2.0' | SL-SO-304-0002 | Landfill | Frozen | Light Brown | 3" of snow, fine-medium SAND with gravel | SW | Dry / Frozen | PID = 0 FID = 0 |
| | 100 for 3" | | | | | | | | | |
| 2 | | | 1/26/04 @ 1558 | | | | | | | |
| | 9 | 0.15' / 2.0' | **NO SAMPLE** Recovery too low | | | | **NO SAMPLE - RECOVERY TOO LOW** | | | PID = 0 FID = 5.9 |
| | 13 | | | | | | | | | |
| | 12 | | | | | | | | | |
| 4 | 15 | | | | | | | | | |
| | 6 | 1.4' / 2.0' | SL-SO-304-0406 | | Loose | Dark Gray / Black | Decomposed leaves, silty SAND, pieces of brick, plastic, metal, some gravel | SM | Moist | PID = 0 FID = 2 |
| | 10 | | | | | | | | | |
| | 9 | | | | | | | | | |
| 6 | 11 | | 1/26/04 @ 1626 | | | | | | | |
| | 4 | 1.0' / 2.0' | SL-SO-304-0608 | | | Black | Sitly SAND with brick, metal, plastic | SM | Wet Petroleum odor | PID = 0 FID = 24 |
| | 7 | | | | | | | | | |
| | 7 | | | | | | | | | |
| 8 | 11 | | 1/26/04 @ 1635 | | | | | | | |
| | 6 | 0.5' / 2.0' | SL-SO-304-0810 | | | | Same as above – also including wood chips | SM | Wet | PID = 0 FID = 0 |
| | 8 | | | | | | | | | |
| | 8 | | | | | | | | | |
| 10 | 14 | | 1/26/04 @ 1642 | | | | | | | |
| | 9 | 0.1' / 2.0' | **NO SAMPLE** Recovery too low | | | | **NO SAMPLE - RECOVERY TOO LOW** | SM | Wet | PID = 0 FID = 27 |
| | 100 for 4" | | | | | | | | | |
| 12 | | | | | | | | | | |
| | 16 | 0.7' / 2.0' | **NO SAMPLE** Not enough sample material | | | | **NO SAMPLE - NOT ENOUGH SAMPLE MATERIAL** | | | PID = 0 FID = 0 |
| | 100 for 2" | | | | | | | | | |
| 14 | | | | | | | | | | |
| | 6 | 1.0' / 2.0' | SL-SO-304-1416 | | | | | | | PID = 7.8 FID = 20.5 |
| | 14 | | | | | | | | | |
| | 38 | | | | | | | | | |
| 16 | 19 | | 1/27/04 @ 1010 | | Loose | Black | Large piece of concrete (3"), gravelly SAND | SW | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | CME – Truck mounted |
| METHOD OF ADVANCING BORING: | HSA – Landfill material/Drive and Wash – Natural material |
| METHOD OF SOIL SAMPLING: | 3" split spoon (Landfill) / 2" spoon (Natural) - 140 lb hydraulic hammer 30" drop |
| METHOD OF ROCK CORING: | NA |
| GROUNDWATER LEVELS: | Water table approximately 24' bgs |
| OTHER OBSERVATIONS: | |

Note: Environmental and Geotechnical boring

BORING NO.: SL-SB-304

Tetra Tech NUS, Inc.



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS – Stratford Landfill | | |
| PROJECT NO.: | N1369-0320 | | |
| LOGGED BY: | J. Danieli | TRANSCRIBED BY: | RAC |
| DRILLED BY (Company/Driller): | Dragin/B. Swiatek/G. Donahue | | |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | |

| | |
|---|---|
| BORING NO.: | SL-SB-304 |
| START DATE: | 1/26/04 |
| COMPLETION: DATE: | 1/27/04 |
| MON. WELL NO.: | N/A |
| CHECKED BY: | JL |

| DEPTH (FEET) 16 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | 9<br>21 | 0.5' / 2.0' | SL-SO-304-1618 | Landfill | Loose | Brown | Fine-medium SAND, trace gravel, pieces of wood and nails | SP | Moist | FID = 10.6<br>PID = 0 |
| 18 | 36<br>20 | | 1/27/04 @ 1012 | | | | | | | |
| | 6<br>14 | 1.2' / 2.0' | SL-SO-304-1820 | | | Gray | Same as above with sea shells (possible dredge material) | SP | Moist | FID = 0<br>PID = 0 |
| 20 | 19<br>18 | | 1/27/04 @ 1015 | | | | | | | |
| | 4<br>5 | 1.0' / 2.0' | SL-SO-304-2022 | | | | | | Moist | FID = 0<br>PID = 0 |
| 22 | 6<br>5 | | 1/27/04 @ 1023 | | Dense | Dark Gray | Sandy SILT, pieces of wood and plastic | ML | | |
| | 4<br>5 | 1.2' / 2.0' | SL-SO-304-2224 | | Loose | Black | Silty SAND, pieces of plastic, wood, burnt wood, brick, white and brown fiborous material | SM | | FID = 0.2<br>PID = 0 |
| 24 | 6<br>5 | | 1/27/04 @ 1035 | | | | | | | |
| | 3<br>2 | | **NO SAMPLE – NO RECOVERY** | | | | **NO SAMPLE – NO RECOVERY –** Chunk of wood in nose | | Wet – approximate water table | FID = NA<br>PID = NA |
| 26 | 4<br>7 | | | | | | | | | |
| | 11<br>16 | | **NO SAMPLE – NO RECOVERY** | | | | **NO SAMPLE – NO RECOVERY** | | | FID = NA<br>PID = NA |
| 28 | 17<br>19 | | | | | | | | | |
| | 14<br>100 for 2" | 0.8' / 2.0' | SL-SO-304-2830 | | Loose | Black | SILT – soupy with wood chips | | Wet<br>Soupy<br>Sheen noted | * FID = 0<br>PID = 0 |
| 30 | | | 1/27/04 @ 1135 | | | | | | | |
| | 19<br>24 | 1.5' / 2.0' | SL-SO-304-3032 | Natural Material @ 31' bgs | Loose | Dark Gray | Fine medium SAND, silty, some wood chips | SM | Petroleum odor *<br>Wet gravel-orange staining – weathered | FID = 90.7<br>PID = 0 |
| 32 | 31<br>37 | | 1/27/04 @ 1200 | | Compact | Gray | SILT with gravel, trace sand (possible natural till) | ML | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | CME – Truck mounted |
| METHOD OF ADVANCING BORING: | HSA – Landfill material/Drive and Wash – Natural material |
| METHOD OF SOIL SAMPLING: | 3" split spoon (Landfill) / 2" spoon (Natural) - 140 lb hydraulic hammer 30" drop |
| METHOD OF ROCK CORING: | NA |
| GROUNDWATER LEVELS: | Water table approximately 24' bgs |
| OTHER OBSERVATIONS: | |

Note:
Environmental and Geotechnical boring
* = In breathing zone, FID readings range from 5-300 ppm; no sustained reading

*Tetra Tech NUS, Inc.*

BORING NO.: SL-SB-304



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS – Stratford Landfill | BORING NO.: | SL-SB-304 |
| PROJECT NO.: | N1369-0320 | START DATE: | 1/26/04 |
| LOGGED BY: | J. Danieli | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/27/04 |
| DRILLED BY (Company/Driller): | Dragin/B. Swiatek/G. Donahue | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 32 | N/A | | | | | | | | | |
| | 14 | 1.5' / 2.0' | NO SAMPLE | Natural material | | Dark Gray | Fine-coarse SAND with gravel | SW | Wet | FID = 0 |
| | 21 | | | | | | | | Natural materials | PID = 0 |
| | 25 | | | | | Olive Gray | | ML | Change over to Drive and Wash | |
| 34 | 26 | | 1/27/04 | | | | | | | |
| | | | | | | | | | | |
| 36 | | | | | | | | | | |
| | | | | | | | | | | |
| 38 | | | | | | | | | | |
| | | | | | | | | | | |
| 40 | 19 | 0.6' / 2.0' | NO SAMPLE | | | Olive Gray | GRAVEL with silt and fine-coarse sand | GM | Wet | |
| | 27 | | | | | | | | | |
| | 58 | | | | | | | | | |
| | 51 | | | | | | | | | |
| 42 | | | | | | | | | | |
| | | | | | | | | | | |
| 44 | | | | | | | | | | |
| | 21 | 0.6' / 2.0' | NO SAMPLE | | | Olive Gray | GRAVEL with silt and fine-coarse sand | GM | Wet | |
| | 36 | | | | | | | | | |
| | 34 | | | | | | | | | |
| 46 | 44 | | | | | | | | | |
| | | | | EOB @ 46' bgs | | | | | | |
| 48 | | | | | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | CME – Truck mounted |
| METHOD OF ADVANCING BORING: | HSA – Landfill material/Drive and Wash – Natural material |
| METHOD OF SOIL SAMPLING: | 3" split spoon (Landfill) / 2" spoon (Natural) - 140 lb hydraulic hammer 30" drop |
| METHOD OF ROCK CORING: | NA |
| GROUNDWATER LEVELS: | Water table approximately 24' bgs |
| OTHER OBSERVATIONS: | |

Note:
Environmental and Geotechnical boring
34' bgs – Change over to Drive and Wash

*Tetra Tech NUS, Inc.*

BORING NO.: SL-SB-304



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS – Stratford Landfill | BORING NO.: | SL-SB-305 |
| PROJECT NO.: | N1369-0320 | START DATE: | 1/28/04 |
| LOGGED BY: | J. Danieli | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/28/04 |
| DRILLED BY (Company/Driller): | Dragin/B. Swiatek/G. Donahue | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Landfill | | | | | | |
| 2 | | | | | | | | | | |
| 4 | | | | | | | | | | |
| | | | | | | | | | | |
| 6 | 6<br>13<br>15<br>14 | 0.2' / 2.0' | **NO SAMPLE** | | Frozen | Brown | SAND and GRAVEL, some silt, pieces of wood and glass | SW/ GW | Frozen | FID = 0<br>PID = 0 |
| 8 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 12 | 7<br>9<br>11<br>13 | 0.7' / 2.0' | **NO SAMPLE** | | Loose | Brown | Fine-coarse SAND with some gravel, pieces of burnt wood and plastic | SW | Moist | FID = 0<br>PID = 0 |
| 14 | | | | | | | | | | |
| 16 | 6<br>13 | 1.0' / 2.0' | **NO SAMPLE** | | Loose | Brown | Fine-coarse SAND with some silt and gravel, pieces of burnt wood, plastic, and metal | SW/ SM | Moist | FID = 0<br>PID = 0 |

| | |
|---|---|
| TYPE OF DRILLING RIG: | CME – Truck mounted |
| METHOD OF ADVANCING BORING: | HSA – Landfill material/Drive and Wash – Natural material |
| METHOD OF SOIL SAMPLING: | 3" split spoon (Landfill) / 2" split spoon (Natural) - 140 lb hydraulic hammer 30" drop |
| METHOD OF ROCK CORING: | NA |
| GROUNDWATER LEVELS: | Water table approximately 30' bgs |
| OTHER OBSERVATIONS: | |

Note: Geotechnical boring

*Tetra Tech NUS, Inc.*

BORING NO.: SL-SB-305



TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS – Stratford Landfill | | BORING NO.: SL-SB-305 |
| PROJECT NO.: | N1369-0320 | | START DATE: 1/28/04 |
| LOGGED BY: | J. Danieli | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/28/04 |
| DRILLED BY (Company/Driller): | Dragin/B. Swiatek/G. Donahue | | MON. WELL NO.: N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 16 | N/A | | | | | | | | | |
| | 12<br>14 | **SEE PAGE 1 FOR 15' – 17' DESCRIPTION** | | | | | | | | |
| 18 | | | | Landfill | | | | | | |
| 20 | | | | | | | | | | |
| 22 | 7<br>19<br>21<br>16 | 0.2' / 2.0 | **NO SAMPLE** | | Loose | Black | Silty SAND with plastic and wood chips, large piece of plastic in nose | SM | Moist | FID = 0<br>PID = 0 |
| 24 | | | | | | | | | | |
| 26 | 8<br>13<br>11<br>11 | 0.2' / 2.0' | **NO SAMPLE** | | | | | | | * FID<br>PID = 0 |
| 28 | | | | | | | | | | |
| 30 | | | | | | | | | | |
| 32 | 100 for 6" | 0.5' / 2.0' | **NO SAMPLE** | Natural materials @ 30' bgs | | | Fine coarse SAND with gravel, possible trace silt. Natural materials | SW | Wet<br>Sheen noted | * FID<br>PID = 0.8 |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | CME – Truck mounted | Note: | *Tetra Tech NUS, Inc.* |
| METHOD OF ADVANCING BORING: | HSA – Landfill material/Drive and Wash – Natural material | Geotechnical boring | |
| METHOD OF SOIL SAMPLING: | 3" split spoon (Landfill) / 2" split spoon (Natural) - 140 lb hydraulic hammer 30" drop | * = FID flame will not start | |
| METHOD OF ROCK CORING: | NA | | |
| GROUNDWATER LEVELS: | Water table approximately 30' bgs | | |
| OTHER OBSERVATIONS: | | BORING NO.: SL-SB-305 | PAGE: 2 OF 3 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS – Stratford Landfill | | | BORING NO.: | SL-SB-305 |
| PROJECT NO.: | N1369-0320 | | | START DATE: | 1/28/04 |
| LOGGED BY: | J. Danieli | TRANSCRIBED BY: | RAC | COMPLETION: DATE: | 1/28/04 |
| DRILLED BY (Company/Driller): | Dragin/B. Swiatek/G. Donahue | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 32 | N/A | | | Natural materials | | | | | | |
| 34 | | | | | | | | | | |
| | 66 | 1.0' / 2.0' | NO SAMPLE | | Dense | Dark Gray | Silty SAND with gravel, layers of brown fine medium silty sand Natural Materials ** | SM | Wet | * FID PID = 0.3 |
| | 49 | | | | | | | | | |
| | 51 | | | | | | | | | |
| 36 | 42 | | | | | | | | | |
| 38 | | | | | | | | | | |
| | 36 | 1.0' / 2.0' | NO SAMPLE | | | Gray | Fine coarse SAND with some silt and gravel, large pieces 1" in diameter | SW | Wet | * FID PID = 0 |
| 40 | 29 | | | | | | | | | |
| | 32 | | | | | | | | | |
| | 41 | | | | | | | | | |
| 42 | | | | EOB @ 41' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | CME – Truck mounted | Note: | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | HSA – Landfill /Drive and Wash – Natural material | Geotechnical boring | |
| METHOD OF SOIL SAMPLING: | 3" split spoon (Landfill) / 2" split spoon (Natural) - 140 lb hydraulic hammer 30" drop | * = FID flame out | |
| METHOD OF ROCK CORING: | NA | ** = 34' bgs – begin drive and wash in natural material | |
| GROUNDWATER LEVELS: | Water table approximately 30' bgs | | |
| OTHER OBSERVATIONS: | | BORING NO.: SL-SB-305 | PAGE: 3 OF 3 |

TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS – Stratford Landfill | | | BORING NO.: | SL-SB-306 |
| PROJECT NO.: | N1369-0320 | | | START DATE: | 1/28/04 |
| LOGGED BY: | J. Danieli / C. Rousseau | TRANSCRIBED BY: | RAC | COMPLETION: DATE: | 1/29/04 |
| DRILLED BY (Company/Driller): | Dragin/B. Swiatek/G. Donahue | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | Raymark OU9 RI/FS – Stratford Landfill | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) 0 | BLOWS PER 6" N/A | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 | | | | Landfill | | | | | | |
| 4 | | | | | | | | | | |
| 6 | 3, 4, 4, 6 | 1.6' / 2.0' | NO SAMPLE | | Dense | Dark Brown | SILT with sand, lenses of gray fine sand, some organics, roots | ML | Moist | PID = 0<br>FID = 0 |
| 8 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 12 | 6, 9, 11, 13 | 0.9' / 2.0' | NO SAMPLE | | Dense | Dark Brown | SILT with sand, ± 2 inch rock fragment, organics, roots, plastic, clay (pipe fragment), shingle | ML | Moist | PID = 0.2<br>FID = 2.2 |
| 14 | | | | | | | | | | |
| 16 | 8, 9 | 0.8' / 2.0' | NO SAMPLE | | Dense | Dark Brown | SILT with sand, some organics, plastic, glass, wood chips, paper | ML | Moist<br>Slight organic odor | PID = 0.3<br>FID = 34.5 |

| | |
|---|---|
| TYPE OF DRILLING RIG: | CME – Truck mounted |
| METHOD OF ADVANCING BORING: | HSA – Landfill material/Drive and Wash – Natural material |
| METHOD OF SOIL SAMPLING: | 3" split spoon (Landfill) / 2" split spoon (Natural) - 140 lb hydraulic hammer 30" drop |
| METHOD OF ROCK CORING: | NA |
| GROUNDWATER LEVELS: | Water table approximately 25' bgs |
| OTHER OBSERVATIONS: | |

Note: Geotechnical boring

*Tetra Tech NUS, Inc.*

BORING NO.: SL-SB-306



TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS – Stratford Landfill | | | BORING NO.: | SL-SB-306 |
| PROJECT NO.: | N1369-0320 | | | START DATE: | 1/28/04 |
| LOGGED BY: | J. Danieli / C. Rousseau | TRANSCRIBED BY: | RAC | COMPLETION: DATE: | 1/29/04 |
| DRILLED BY (Company/Driller): | Dragin/B. Swiatek/G. Donahue | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | Raymark OU9 RI/FS – Stratford Landfill | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 16 | N/A | | | | | | | | | |
| | 9<br>16 | **SEE PAGE 1 FOR 15' – 17' DESCRIPTION** | | | | | | | | |
| 18 | | | | Landfill | | | | | | |
| 20 | | | | | | | | | | |
| 22 | 8<br>8<br>10<br>13 | 1.0' / 2.0' | **NO SAMPLE** | | Dense | Dark Brown | SILT with sand, some organics, plastic, glass, wood chips, paper | ML | | PID = 0<br>FID = 0 |
| 24 | | | | | | | Note: Auger through green material – soils bright green, PID = 8.9 and FID = 2680 ppm. No reading on Multi Gas Meter. | | | |
| 26 | 7<br>6<br>8<br>8 | 0.4' / 2.0' | **NO SAMPLE** | | Loose | Black | SILT with gravel, trace sand, plastic, wood, possible cardboard | ML | Wet | PID = 0.2<br>FID = 0 |
| 28 | | | | | | | | | | |
| 30 | | | | | | | | | | |
| 32 | 9<br>18<br>27<br>28 | 1.5' / 2.0' | **NO SAMPLE** | | Compact | | Layer of possible paper, cloth, or leather; chunk of plastic | Fill | Wet | PID = 0<br>FID = 5.1 |

| | |
|---|---|
| TYPE OF DRILLING RIG: | CME – Truck mounted |
| METHOD OF ADVANCING BORING: | HSA – Landfill material/Drive and Wash – Natural material |
| METHOD OF SOIL SAMPLING: | 3" split spoon (Landfill) / 2" split spoon (Natural) - 140 lb hydraulic hammer 30" drop |
| METHOD OF ROCK CORING: | NA |
| GROUNDWATER LEVELS: | Water table approximately 25' bgs |
| OTHER OBSERVATIONS: | |

BORING NO.: SL-SB-306

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS – Stratford Landfill | | | BORING NO.: | SL-SB-306 |
| PROJECT NO.: | N1369-0320 | | | START DATE: | 1/28/04 |
| LOGGED BY: | J. Danieli / C. Rousseau | TRANSCRIBED BY: | RAC | COMPLETION: DATE: | 1/29/04 |
| DRILLED BY (Company/Driller): | Dragin/B. Swiatek/G. Donahue | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | Raymark OU9 RI/FS – Stratford Landfill | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 32 | N/A | | | | | | | | | |
| | | | | Landfill | | | | | | |
| 34 | | | | | | | | | | |
| | | | | | | | | | | |
| 36 | 4 | 0.9' / 2.0' | NO SAMPLE | | | Black | SILT with sand, plastic, glass | | Wet | PID = 1.0 FID = 21.0 |
| | 7 | | | | | | | | | |
| | 7 | | | Possible Natural Material @ 36' bgs | | Dark Brown | Organic SILT with roots, possible peat | PT | | |
| | 8 | | | | | | | | | |
| 38 | | | | | | | | | | |
| 40 | | | | | | | | | | |
| | 8 | 1.5' / 2.0' | NO SAMPLE | | | Dark Gray | Fine-coarse SAND, trace silt | SP | Wet | PID = 0.3 FID = 1.9 |
| | 11 | | | | | | | | | |
| 42 | 14 | | | | | | GRAVEL with silt, trace sand, possible till | SM | Begin Drive and Wash @ 40' bgs | |
| | 12 | | | | | | | | | |
| 44 | | | | | | | | | | |
| | 20 | 1.3' / 2.0' | NO SAMPLE | | | Gray | Fine-coarse SAND and GRAVEL, trace silt, possible till | SW/ GW | Wet | PID = 0 FID = 0 |
| | 25 | | | | | | | | | |
| 46 | 28 | | | | | | | | | |
| | 36 | | | | | | | | | |
| | | | | EOB @ 46' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | CME – Truck mounted | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | HSA – Landfill material/Drive and Wash – Natural material | Note: | |
| METHOD OF SOIL SAMPLING: | 3" split spoon (Landfill) / 2" split spoon (Natural) - 140 lb hydraulic hammer 30" drop | Geotechical boring | |
| METHOD OF ROCK CORING: | NA | | |
| GROUNDWATER LEVELS: | Water table approximately 25' bgs | | |
| OTHER OBSERVATIONS: | | BORING NO.: SL-SB-306 | PAGE: 3 OF 3 |

TtNUS Form 0018

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS – Stratford Landfill | BORING NO.: | SL-SB-308 |
| PROJECT NO.: | N1369-0320 | START DATE: | 1/29/04 |
| LOGGED BY: | J. Danieli / C. Rousseau | TRANSCRIBED BY: RAC | COMPLETION: DATE: 1/29/04 |
| DRILLED BY (Company/Driller): | Dragin/B. Swiatek/G. Donahue | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | CHECKED BY: JL |

| DEPTH (FEET) 0 | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Landfill | | | | | | |
| 2 | | | | | | | | | | |
| 4 | | | | | | | | | | |
| | | | | | | | | | | |
| 6 | 9<br>11<br>13<br>12 | 1.0' / 2.0' | **NO SAMPLE** | | Dense | Dark Brown | Silty SAND with gravel, pieces of wood and leather, some roots | SM | Moist | FID = 0<br>PID = 0 |
| 8 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 12 | 4<br>6<br>9<br>9 | 1.2' / 2.0' | **NO SAMPLE** | | Dense | Dark/ Light Brown | Sandy SILT with gravels, some roots, large piece of wood, 1 piece of boulder (2" long – Gray) | ML | Moist | FID = 0<br>PID = 0 |
| 14 | | | | | | | | | | |
| | | | | | | | | | | |
| 16 | 11<br>16 | 1.2' / 2.0' | **NO SAMPLE** | | Dense | Dark Brown<br>Dark Gray | Same as above with pieces of asphalt<br>Same as above, 1 large boulder fragment (4" long-Gray) | ML | Moist | FID = 0<br>PID = 0 |

| | |
|---|---|
| TYPE OF DRILLING RIG: | CME – Truck mounted |
| METHOD OF ADVANCING BORING: | HSA – Landfill material/Drive and Wash – Natural material |
| METHOD OF SOIL SAMPLING: | 3" split spoon (Landfill) / 2" split spoon (Natural) - 140 lb hydraulic hammer 30" drop |
| METHOD OF ROCK CORING: | NA |
| GROUNDWATER LEVELS: | Water table approximately 20' bgs |
| OTHER OBSERVATIONS: | |

Note: Geotechnical boring

BORING NO.: SL-SB-308

*Tetra Tech NUS, Inc.*



TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS – Stratford Landfill | | | BORING NO.: | SL-SB-308 |
| PROJECT NO.: | N1369-0320 | | | START DATE: | 1/29/04 |
| LOGGED BY: | J. Danieli / C. Rousseau | TRANSCRIBED BY: | RAC | COMPLETION: DATE: | 1/29/04 |
| DRILLED BY (Company/Driller): | Dragin/B. Swiatek/G. Donahue | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) 16 | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| | 21<br>19 | **SEE PAGE 1 FOR 15' – 17' DESCRIPTION** | | | | | | | | |
| 18 | | | | Landfill | | | | | | |
| 20 | | | | | | | | | | |
| 22 | 7<br>8<br>11<br>16 | 0.7' / 2.0' | **NO SAMPLE** | | Loose | Black | Pieces of plastic, glass, wood chips, styrofoam, cardboard, some silty sand and trace gravel (piece of brown elastic/sponge like material) | Fill | Wet | PID = 0<br>FID = 0 |
| 24 | | | | | | | | | | |
| 26 | 5<br>6 | / 2.0' | **NO SAMPLE** | | | Black | Sandy SILT with wood chips | ML | | PID = 0<br>FID = 12.2 |
| | 6<br>9 | | | | | Dark Brown | Silty SAND and GRAVEL, rounded | SW/ GW | Wet | |
| 28 | | | | | | | | | | |
| 30 | | | | | | | | | | |
| 32 | 8<br>12<br>9<br>15 | 0.5' / 2.0' | **NO SAMPLE** | | | Black | Sandy SILT with wood chips, cardboard, trace gravel (0.4"), fabric (possible vinyl or leather material) | ML | Wet | PID = 0<br>FID = 37 |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | CME – Truck mounted | | *Tetra Tech NUS, Inc.* |
| METHOD OF ADVANCING BORING: | HSA – Landfill material/Drive and Wash – Natural material | Note: | |
| METHOD OF SOIL SAMPLING: | 3" split spoon (Landfill) / 2" split spoon (Natural) - 140 lb hydraulic hammer 30" drop | Geotechnical boring | |
| METHOD OF ROCK CORING: | NA | | |
| GROUNDWATER LEVELS: | Water table approximately 20' bgs | | |
| OTHER OBSERVATIONS: | | BORING NO.: SL-SB-308 | PAGE: 2 OF 4 |

| | | | |
|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS – Stratford Landfill | BORING NO.: | SL-SB-308 |
| PROJECT NO.: | N1369-0320 | START DATE: | 1/29/04 |
| LOGGED BY: | J. Danieli / C. Rousseau | COMPLETION: DATE: | 1/29/04 |
| DRILLED BY (Company/Driller): | Dragin/B. Swiatek/G. Donahue | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | CHECKED BY: | JL |

TRANSCRIBED BY: RAC

ELEVATION FROM:

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 32 | | | | Landfill | | | | | | |
| 34 | | | | | | | | | | |
| 36 | 4<br>4<br>5<br>7 | 0.7' / 2.0' | NO SAMPLE | | | Black/ Brown | Silty SAND with plastic, leather, vinyl, wood chips, large piece of wood in nose | SM | Wet | PID = 0<br>FID = 2.2 |
| 38 | | | | | | | | | | |
| 40 | | | | | | | | | | |
| 42 | 5<br>6<br>5<br>5 | 2.0' / 2.0' | NO SAMPLE | Natural material at 40' bgs | Dense | Dark Brown | SILT with some organics<br>Peat, SILT with abundant organics (roots, twigs, pieces of natural wood) | OL<br>PT | Wet<br>Natural materials<br>Sulfur odor | FID = 101.3<br>PID = 0 |
| 44 | | | | | | | Change over to Drive and Wash, last auger at 40' bgs | | | |
| 46 | 7<br>9<br>11<br>13 | 1.2' / 2.0' | NO SAMPLE | | Dense | Gray | Fine-medium SAND, some silt | SP | | FID = 78<br>PID = 0 |
| 48 | | | | | | | | | | |

| | |
|---|---|
| TYPE OF DRILLING RIG: | CME – Truck mounted |
| METHOD OF ADVANCING BORING: | HSA – Landfill material/Drive and Wash – Natural material |
| METHOD OF SOIL SAMPLING: | 3" split spoon (Landfill) / 2" split spoon (Natural) - 140 lb hydraulic hammer 30" drop |
| METHOD OF ROCK CORING: | NA |
| GROUNDWATER LEVELS: | Water table approximately 20' bgs |
| OTHER OBSERVATIONS: | |

Note:
Geotechnical boring

BORING NO.: SL-SB-308

Tetra Tech NUS, Inc.



TtNUS Form 0018

| | | | | | |
|---|---|---|---|---|---|
| BORING LOG FOR: | Raymark OU9 RI/FS – Stratford Landfill | | | BORING NO.: | SL-SB-308 |
| PROJECT NO.: | N1369-0320 | | | START DATE: | 1/29/04 |
| LOGGED BY: | J. Danieli / C. Rousseau | TRANSCRIBED BY: | RAC | COMPLETION: DATE: | 1/29/04 |
| DRILLED BY (Company/Driller): | Dragin/B. Swiatek/G. Donahue | | | MON. WELL NO.: | N/A |
| GRD. SURFACE ELEVATION: | | ELEVATION FROM: | | CHECKED BY: | JL |

| DEPTH (FEET) | BLOWS PER 6" | SAMP REC. / SAMP LENG. | SAMPLING TIME & SAMPLE NO. (QA/QC STATUS) | DEPTH MAT'L CHG./ WELL PROF'L | SOIL DENSITY/ CONSIS. or ROCK HARD. | CLR | MATERIAL CLASSIFICATION | USCS or ROCK BRKN | REMARKS (moisture condition; odors; geological classification; rock weathering; etc.) | FIELD SCREENING DATA *METHOD* = [FID, (PPM)] |
|---|---|---|---|---|---|---|---|---|---|---|
| 48 | | | | Natural materials | | | | | | |
| 50 | | | | | | | | | | |
| | 6 | 2.0' / 2.0' | NO SAMPLE | | | Dark Gray | SILT, trace organics | ML | Wet<br>Sulfur odor | PID = 0<br>FID = 0.8 |
| | 5 | | | | | | | | | |
| | 4 | | | | | | SILT with sand | | | |
| 52 | 7 | | | | | | | | | |
| 54 | | | | | | | | | | |
| | | | | | | | | | | |
| 56 | 21 | / 2.0' | NO SAMPLE | | | Gray | Silty fine-coarse SAND with gravel, layer of brown fine-medium sand | SM | Wet | FID = 0<br>PID = 0 |
| | 28 | | | | | | | | | |
| | 18 | | | | | | | | | |
| | 24 | | | | | | | | | |
| 58 | | | | EOB @ 57' bgs | | | | | | |

| | | | |
|---|---|---|---|
| TYPE OF DRILLING RIG: | CME – Truck mounted | | Tetra Tech NUS, Inc. |
| METHOD OF ADVANCING BORING: | HSA – Landfill material/Drive and Wash – Natural material | Note: | |
| METHOD OF SOIL SAMPLING: | 3" split spoon (Landfill) / 2" split spoon (Natural) - 140 lb hydraulic hammer 30" drop | Geotechnical boring | |
| METHOD OF ROCK CORING: | NA | | |
| GROUNDWATER LEVELS: | Water table approximately 20' bgs | | |
| OTHER OBSERVATIONS: | | BORING NO.: SL-SB-308 | PAGE: 4 OF 4 |

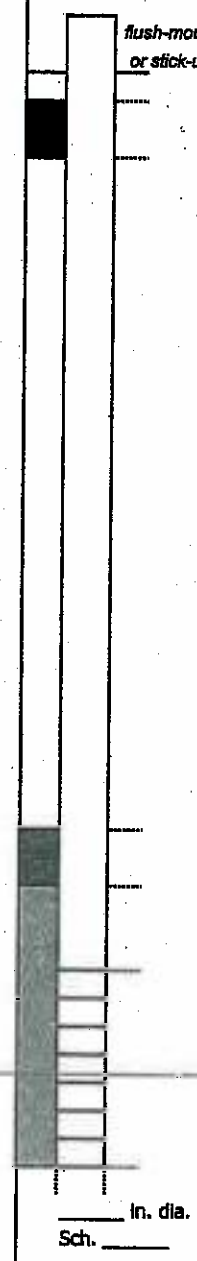
TtNUS Form 0018

# DRAGIN DRILLING BORING/WELL LOG

**BORING/WELL NO.:** TP-1

| | | |
|---|---|---|
| **PROJECT:** Stratford Landfill | **LOCATION:** Stratford, CT | **PAGE** 1 of 1 |
| **JOB NO.:** 4ctetro2 | **CLIENT:** Tetra Tech | **CONTRACTOR:** DRAGIN Drilling, Inc. |
| **DIG SAFE NO.:** | | **Driller/Helpers:** Steve Sanford |
| **Drilling Method:** Test Pit | **Drilling Equipment:** Backhoe | **Borehole Dia. (in.):** |
| **Installed By:** | **Start Date:** 1-12-04 | **Total Depth (ft bgs):** |
| **Logged By:** Brett Swiatek | **Completion Date:** 1-12-04 | **Water Level (ft bgs):** |

| DEPTH (ft) | SAMPLE TYPE/ INTERVAL | BLOW COUNTS | LITHOLOGIC DESCRIPTION | RECOVERY (%) | GRAPH OF WELL | DRILLING NOTES/ WATER LEVEL |
|---|---|---|---|---|---|---|
| 0-18" | | | 18" Light brown sand and fine to coarse gravel with little silt (Fill) | | flush-mount or stick-up | |
| 18-24" | | | Dark Brown organics OH | | | |
| 24-30" | | | Light brown fine to medium sand and fine to coarse gravel with little silt SW | | | |
| 30-48" | | | Black silty sand with plastic and wood little gravel and cobbles SM (Fill) | | | |




**SAMPLE TYPE**

C = Cuttings SS = Split Spoon SA = Screened Auger R = Rock Core U = Undisturbed O = Other:

**LITHOLOGY DESCRIPTION**

Trace = 0 - 10 % Little = 10 - 20 % Some = 20 - 35 % And = 35 - 50 %

# DRAGIN DRILLING BORING/WELL LOG

**BORING/WELL NO.** TP-2

| | | |
|---|---|---|
| **PROJECT:** Stratford Landfill | **LOCATION:** Stratford, CT | **PAGE** 1 of 1 |
| **JOB NO.:** 4cheiro2 | **CLIENT:** Tetra Tech | **CONTRACTOR:** DRAGIN Drilling, Inc. |
| **DIG SAFE NO.:** | | **Driller/Helpers:** Steve Sanford |
| **Drilling Method:** Test Pit | **Drilling Equipment:** Backhoe | **Borehole Dia. (in.):** |
| **Installed By:** | **Start Date:** 1-13-04 | **Total Depth (ft bgs):** |
| **Logged By:** Frank Swiatek | **Completion Date:** 1-13-04 | **Water Level (ft bgs):** |

| DEPTH (ft) | SAMPLE TYPE/ INTERVAL | BLOW COUNTS | LITHOLOGIC DESCRIPTION | RECOVERY (%) | GRAPH OF WELL | DRILLING NOTES/ WATER LEVEL |
|---|---|---|---|---|---|---|
| 0-4" | | | Dark brown fine sand with some ~~organic and little silt~~ SP | | flush-mount or stick-up | |
| 4-21" | | | Dark brown silt and organics with trace fine sands mL | | | |
| 21-28" | | | Redish Brown silt and organics with trace fine sands mL | | | |
| 28-32" | | | Black organics, with trash, wood glass, brick, rebar, plastic Fill | | | |

_____ in. dia.
Sch. _____

**SAMPLE TYPE**

C = Cuttings SS = Split Spoon SA = Screened Auger R = Rock Core U = Undisturbed O = Other:

**LITHOLOGY DESCRIPTION**

Trace = 0 - 10 % Little = 10 - 20 % Some = 20 - 35 % And = 35 - 50 %

# DRAGIN DRILLING BORING/WELL LOG

**BORING/WELL NO.** TP-3

| | | |
|---|---|---|
| **PROJECT:** Stratford Landfill | **LOCATION:** Stratford, CT | **PAGE** 1 of 1 |
| **JOB NO.:** 4cheto2 | **CLIENT:** Tetra Tech | **CONTRACTOR:** DRAGIN Drilling, Inc. |
| **DIG SAFE NO.:** | | **Driller/Helpers:** Steve Sanford |
| **Drilling Method:** Test Pit | **Drilling Equipment:** Backhoe | **Borehole Dia. (in.):** |
| **Installed By:** | **Start Date:** 1-13-04 | **Total Depth (ft bgs):** |
| **Logged By:** Brett Sydabek | **Completion Date:** 1-13-04 | **Water Level (ft bgs):** |

| DEPTH (ft) | SAMPLE TYPE/ INTERVAL | BLOW COUNTS | LITHOLOGIC DESCRIPTION | RECOVERY (%) | GRAPH OF WELL | DRILLING NOTES/ WATER LEVEL |
|---|---|---|---|---|---|---|
| 0-22" | | | Light Brown orange fine sand with little silt and gravel trace cobbles SP | | flush-mount or stick-up | |
| 22-28" | | | Orange black silt, and fine sand silt with some organics mL | | | |
| 28-65" | | | Light Brown fine sand with sea shells SP | | | |
| | | | Brake pad found in hole | | | |

_____ in. dia.
Sch. _____

**SAMPLE TYPE**

C = Cuttings SS = Split Spoon SA = Screened Auger R = Rock Core U = Undisturbed O = Other:

**LITHOLOGY DESCRIPTION**

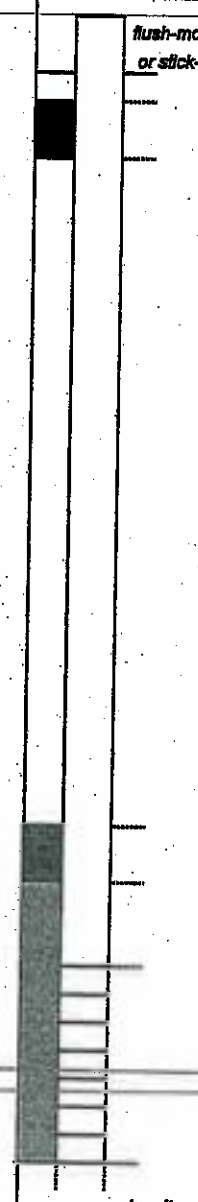
Trace = 0 - 10 % Little = 10 - 20 % Some = 20 - 35 % And = 35 - 50 %

# DRAGIN DRILLING BORING/WELL LOG

**BORING/WELL NO.** TP-4

| | | |
|---|---|---|
| **PROJECT:** Stratford Landfill | **LOCATION:** Stratford, CT | **PAGE** 1 of 1 |
| **JOB NO.:** 4ctetc2 | **CLIENT:** Tetra Tech | **CONTRACTOR:** DRAGIN Drilling, Inc. |
| **DIG SAFE NO.:** | | **Driller/Helpers:** Steve Sanford |
| **Drilling Method:** Test Pit | **Drilling Equipment:** Backhoe | **Borehole Dia. (in.):** |
| **Installed By:** | **Start Date:** 1-13-04 | **Total Depth (ft bgs):** 36" |
| **Logged By:** Brett Swiatek | **Completion Date:** 1-13-04 | **Water Level (ft bgs):** |

| DEPTH (ft) | SAMPLE TYPE/ INTERVAL | BLOW COUNTS | LITHOLOGIC DESCRIPTION | RECOVERY (%) | GRAPH OF WELL | DRILLING NOTES/ WATER LEVEL |
|---|---|---|---|---|---|---|
| 0-24" | | | Dark brown fine sands, and organic organics with cobbles, little silt SP | | flush-mount or stick-up | |
| 24-36" | | | Black silt and fine sand, Brick, brake pads, metal debris, asbestos thru out ML/SP Fill | | | |



_____ in. dia.
Sch. _____

**SAMPLE TYPE**

C = Cuttings SS = Split Spoon SA = Screened Auger R = Rock Core U = Undisturbed O = Other:

**LITHOLOGY DESCRIPTION**

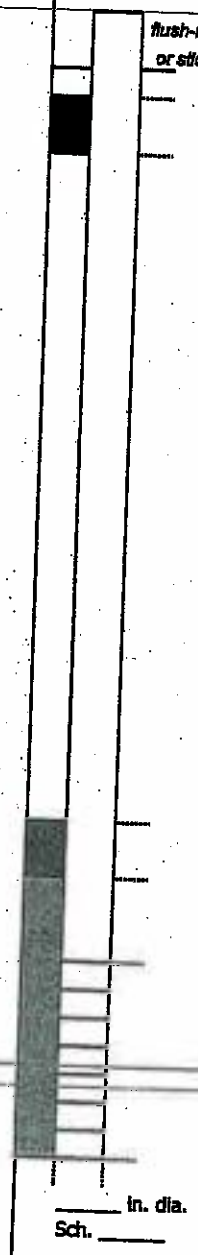
Trace = 0 - 10 % Little = 10 - 20 % Some = 20 - 35 % And = 35 - 50 %

# DRAGIN DRILLING BORING/WELL LOG

**BORING/WELL NO.** TP-5

| | | |
|---|---|---|
| **PROJECT:** Stratford Landfill | **LOCATION:** Stratford, CT | **PAGE** 1 of 1 |
| **JOB NO.:** 4cheto2 | **CLIENT:** Tetra Tech | **CONTRACTOR:** DRAGIN Drilling, Inc. |
| **DIG SAFE NO.:** | | **Driller/Helpers:** Steve Sanford |
| **Drilling Method:** Test Pit | **Drilling Equipment:** Backhoe | **Borehole Dia. (in.):** |
| **Installed By:** | **Start Date:** 1-13-04 | **Total Depth (ft bgs):** 39" |
| **Logged By:** Brett Swiatek | **Completion Date:** 1-13-04 | **Water Level (ft bgs):** |

| DEPTH (ft) | SAMPLE TYPE/ INTERVAL | BLOW COUNTS | LITHOLOGIC DESCRIPTION | RECOVERY (%) | GRAPH OF WELL | DRILLING NOTES/ WATER LEVEL |
|---|---|---|---|---|---|---|
| 0-32" | | | Light brown fine sand and gravel trace silt, Fill SP | | | |
| 32-39" | | | Black fine sand and gravel, cobbles, brick, metal, plastic, glass FIN | | | |
| | | | No asbestos fiber found | | | |




**SAMPLE TYPE**

C = Cuttings SS = Split Spoon SA = Screened Auger R = Rock Core U = Undisturbed O = Other:

**LITHOLOGY DESCRIPTION**

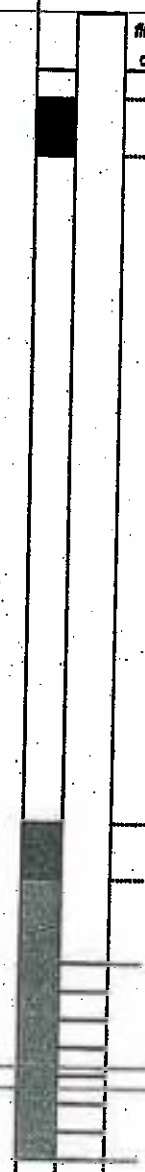
Trace = 0 - 10 % Little = 10 - 20 % Some = 20 - 35 % And = 35 - 50 %

# DRAGIN DRILLING BORING/WELL LOG

**BORING/WELL NO.** TP-6

| | | |
|---|---|---|
| **PROJECT:** Stratford Landfill | **LOCATION:** Stratford, CT | **PAGE** 1 of 1 |
| **JOB NO.:** 4cfsto2 | **CLIENT:** Tetra Tech | **CONTRACTOR:** DRAGIN Drilling, Inc. |
| **DIG SAFE NO.:** | | **Driller/Helpers:** Steve Sanford |
| **Drilling Method:** Test Pit | **Drilling Equipment:** Backhoe | **Borehole Dia. (in.):** |
| **Installed By:** | **Start Date:** 1-13-04 | **Total Depth (ft bgs):** 72" |
| **Logged By:** [illegible] Swiatek | **Completion Date:** 1-13-04 | **Water Level (ft bgs):** |

| DEPTH (ft) | SAMPLE TYPE/ INTERVAL | BLOW COUNTS | LITHOLOGIC DESCRIPTION | RECOVERY (%) | GRAPH OF WELL | DRILLING NOTES/ WATER LEVEL |
|---|---|---|---|---|---|---|
| 0-15" | | | Light Brown fine sand with ~~littlesilt and gravel~~ SP | | flush-mount or stick-up | |
| 15-27" | | | Orange brown silt with fine sand gravel SM | | | |
| 27-42" | | | Light brown fine silt, little silt and gravel, trace wood, debris SM Fill | | | |
| 42-72" | | | Dark brown fine sand and gravel, wood, plastic, metal Fill | | | |
| | | | No aparent asbestos | | | |



_____ in. dia.
Sch. _____

**SAMPLE TYPE**

C = Cuttings SS = Split Spoon SA = Screened Auger R = Rock Core U = Undisturbed O = Other:

**LITHOLOGY DESCRIPTION**

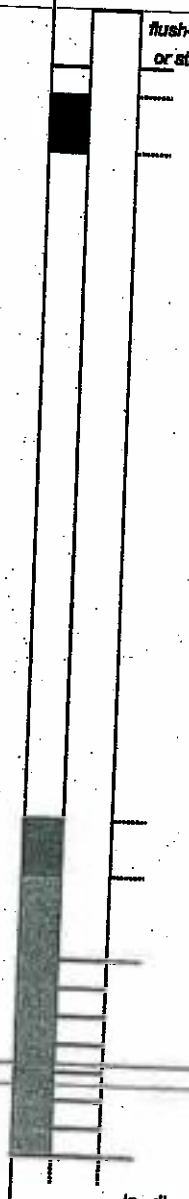
Trace = 0 - 10 % Little = 10 - 20 % Some = 20 - 35 % And = 35 - 50 %

# DRAGIN DRILLING BORING/WELL LOG

**BORING/WELL NO.** TP-7

| | | |
|---|---|---|
| **PROJECT:** Stratford Landfill | **LOCATION:** Stratford, CT | **PAGE** 1 of 1 |
| **JOB NO.:** 4cheto2 | **CLIENT:** Tetra Tech | **CONTRACTOR:** DRAGIN Drilling, Inc. |
| **DIG SAFE NO.:** | | **Driller/Helpers:** Steve Sanford |
| **Drilling Method:** Test Pit | **Drilling Equipment:** Backhoe | **Borehole Dia. (in.):** |
| **Installed By:** | **Start Date:** 1-13-04 | **Total Depth (ft bgs):** 65" |
| **Logged By:** Brett Swiatek | **Completion Date:** 1-13-04 | **Water Level (ft bgs):** |

| DEPTH (ft) | SAMPLE TYPE/ INTERVAL | BLOW COUNTS | LITHOLOGIC DESCRIPTION | RECOVERY (%) | GRAPH OF WELL | DRILLING NOTES/ WATER LEVEL |
|---|---|---|---|---|---|---|
| 0-13" | | | Dark Brown fine sand, some silt organics SM | | | |
| 13-19" | | | Light brown fine to medium sand and gravel SP | | flush-mount or stick-up | |
| 19-30" | | | Dark brown fine sand with fine or fine gravel and plastic, glass SP Fill | | | |
| 30-65" | | | Dark brown fine sand, little silt silt, tire, glass, wood, wire paper, gravel SP Fill | | | |



_____ in. dia.
Sch. _____

**SAMPLE TYPE**

C = Cuttings SS = Split Spoon SA = Screened Auger R = Rock Core U = Undisturbed O = Other:

**LITHOLOGY DESCRIPTION**

Trace = 0 - 10 % Little = 10 - 20 % Some = 20 - 35 % And = 35 - 50 %

# DRAGIN DRILLING BORING/WELL LOG

**BORING/WELL NO.** SLB 300

| | | |
|---|---|---|
| **PROJECT:** Stratford Landfill | **LOCATION:** Stratford CT | **PAGE** 1 of 2 |
| **JOB NO.:** 4ctef02 | **CLIENT:** Tetra Tech | **CONTRACTOR:** DRAGIN Drilling, Inc. |
| **DIG SAFE NO.:** | | **Driller/Helpers:** Swiatek/Donahue |
| **Drilling Method:** HSA 4.25 | **Drilling Equipment:** CME 850 | **Borehole Dia. (in.):** 9" OD 4.25 ID |
| **Installed By:** Swiatek | **Start Date:** 1-5-04 | **Total Depth (ft bgs):** 38' |
| **Logged By:** Swiatek | **Completion Date:** 1-22-04 | **Water Level (ft bgs):** 6' |

| DEPTH (ft) | SAMPLE TYPE/ INTERVAL | BLOW COUNTS | LITHOLOGIC DESCRIPTION | RECOVERY (%) | GRAPH OF WELL | DRILLING NOTES/ WATER LEVEL |
|---|---|---|---|---|---|---|
| 0-2 | 3" SS | | | | | |
| 0 | | 11-19-21 23 | Light brown fine sand with black ash, some crushed stone, trace fine gravel, pieces of plastic | 18" | flush-mount or stick-up | |
| 2 | | 11-9-9-10 | Brown fine to medium sand, trace fine to medium gravel | 3" | | |
| 4 | | 5-5-3-4 | Olive gray, silty fine sand Bottom 6" leaves plastic large cobble | 12" | | |
| 6 | | 2-2-2-2 | No Recovery | 0 | | |
| 8 | | 10-10-10-19 | Dark brown wood, trace silt 8.4- Dark brown silt and fine sand trace fine gravel 9.0- wood, organics, plastics gravel | 18" | | |
| 10 | | 6-26-40-25 | Dark brown silt and fine sand wood,plastics, glass | 14" | | |
| 12 | | 8-16-16-24 | Rock in nose of cone | 0 | | |
| 14 | | 13-32-41 45 | Wood, trace fine sand | 8" | | |
| 16 | | | | | | |
| 18 | | | | | | |
| 20 | | | | | | |

_____ in. dia.
Sch. _____

**SAMPLE TYPE**

C = Cuttings SS = Split Spoon SA = Screened Auger R = Rock Core U = Undisturbed O = Other:

**LITHOLOGY DESCRIPTION**

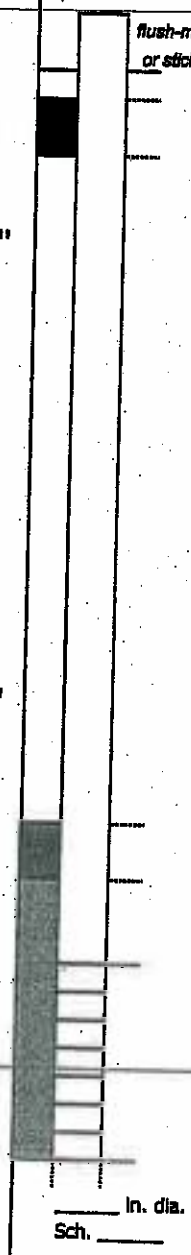
Trace = 0 - 10 % Little = 10 - 20 % Some = 20 - 35 % And = 35 - 50 %

# DRAGIN DRILLING BORING/WELL LOG

**BORING/WELL NO.** SB 300

| | | |
|---|---|---|
| **PROJECT:** Stratford Landfill | **LOCATION:** Stratford CT | **PAGE** 2 of 2 |
| **JOB NO.:** 4ctet02 | **CLIENT:** Tetra Tech | **CONTRACTOR:** DRAGIN Drilling, Inc. |
| **DIG SAFE NO.:** | | **Driller/Helpers:** Swiatek/Donahue |
| **Drilling Method:** HSA 4.25 | **Drilling Equipment:** CME 850 | **Borehole Dia. (in.):** 9" OD 4.25 ID |
| **Installed By:** Swiatek | **Start Date:** 1-5-04 | **Total Depth (ft bgs):** 38.5' |
| **Logged By:** Swiatek | **Completion Date:** 1-22-04 | **Water Level (ft bgs):** 6' |

| DEPTH (ft) | SAMPLE TYPE/ INTERVAL | BLOW COUNTS | LITHOLOGIC DESCRIPTION | RECOVERY (%) | GRAPH OF WELL | DRILLING NOTES/ WATER LEVEL |
|---|---|---|---|---|---|---|
| 22 | | | | | | |
| 24 | | 24-26-39-46 | Black wood | 2" | flush-mount or stick-up | |
| 26 | | 100/6" | | 0" | | |
| 28 | | 21-19-24-20 | Plastic | 0" | | |
| 30 | | 14-9-10-10 | No recovery | 0" | | |
| 32 | | 2-1-2-2 | Black fine sand some silt wood glass | 2" | | |
| 36 | | 3-2-2-3 | Black fine to coarse sand, trace wood | 8" | | |
| 38 | | 10-21-29-35 | Black fine to coarse sand, wood trace silt fine gravel | 24" | | |
| 40 | | 3-3-4-7 | Brown organic peat | | | |
| | | | BOB 38.5 | | | |




**SAMPLE TYPE**

C = Cuttings SS = Split Spoon SA = Screened Auger R = Rock Core U = Undisturbed O = Other:

**LITHOLOGY DESCRIPTION**

Trace = 0 - 10 % Little = 10 - 20 % Some = 20 - 35 % And = 35 - 50 %

# DRAGIN DRILLING BORING/WELL LOG

**BORING/WELL NO.** SB 301

| | | |
|---|---|---|
| **PROJECT:** Stratford Landfill | **LOCATION:** Stratford CT | **PAGE** 1 of 3 |
| **JOB NO.:** 4ctet02 | **CLIENT:** Tetra Tech | **CONTRACTOR:** DRAGIN Drilling, Inc. |
| **DIG SAFE NO.:** | | **Driller/Helpers:** Swiatek/Donahue |
| **Drilling Method:** HSA 4.25 | **Drilling Equipment:** CME 850 | **Borehole Dia. (in.):** 9" OD 4.25 ID |
| **Installed By:** Swiatek | **Start Date:** 1-19-04 | **Total Depth (ft bgs):** 50' |
| **Logged By:** Swiatek | **Completion Date:** 1-21-04 | **Water Level (ft bgs):** |

| DEPTH (ft) | SAMPLE TYPE/ INTERVAL | BLOW COUNTS | LITHOLOGIC DESCRIPTION | RECOVERY (%) | GRAPH OF WELL | DRILLING NOTES/ WATER LEVEL |
|---|---|---|---|---|---|---|
| 0 | 75-61-52 39 | | Light Brown silty sand with weathered rock | 21" | flush-mount or stick-up | |
| 2 | 19-20-24 21 | | Dark brown organic silt large cobbles | 18" | | |
| 4 | 26-14-17 18 | | Dark brown silt trace organics | 13" | | |
| 6 | 14-17-15 12 | | Dark brown silty sand trace plastics gravel wire | 9" | | |
| 8 | 16-19-17 24 | | Black silty ash wood glass wire plastic | 9" | | |
| 10 | 17-21-19 20 | | Black silty sand some gravel, brick spongey white material | 6" | | |
| 12 | 100/5" | | No Recovery | 0" | | |
| 14 | 14-12-16 19 | | Black silty sand, plastic grass wood little angular gravel | 24" | | |
| 16 | 9-7-8-8 | | Black silty sand wood plastic | 12" | | |
| 18 | 1-2-2-2 | | Same | 0" | | |
| 20 | 4-7-7-9 | | Black silty sand, gravel, plastic 18" paper | 18" | ____ in. dia. Sch. ____ | |

**SAMPLE TYPE**

C = Cuttings SS = Split Spoon SA = Screened Auger R = Rock Core U = Undisturbed O = Other:

**LITHOLOGY DESCRIPTION**

Trace = 0 - 10 % Little = 10 - 20 % Some = 20 - 35 % And = 35 - 50 %

# DRAGIN DRILLING BORING/WELL LOG

**BORING/WELL NO.** SB 301

| | | | |
|---|---|---|---|
| **PROJECT:** Stratford Landfill | **LOCATION:** Stratford CT | | **PAGE** 2 of 3 |
| **JOB NO.:** 4ctefi02 | **CLIENT:** Tetra Tech | **CONTRACTOR:** DRAGIN Drilling, Inc. | |
| **DIG SAFE NO.:** | | **Driller/Helpers:** Swiatek/Donahue | |
| **Drilling Method:** HSA 4.25 | **Drilling Equipment:** CME 850 | **Borehole Dia. (in.):** 9" OD 4.25 ID | |
| **Installed By:** Swiatek | **Start Date:** 1-19-04 | **Total Depth (ft bgs):** 50' | |
| **Logged By:** Swiatek | **Completion Date:** 1-21-04 | **Water Level (ft bgs):** | |

| DEPTH (ft) | SAMPLE TYPE/ INTERVAL | BLOW COUNTS | LITHOLOGIC DESCRIPTION | RECOVERY (%) | GRAPH OF WELL | DRILLING NOTES/ WATER LEVEL |
|---|---|---|---|---|---|---|
| | 3" SS | | | | | |
| 22 0 | | 3-3-4-3 | Black cinders trace glass brick | 9" | flush-mount or stick-up | |
| 24 | | 4-4-5-5 | Black cinders trace fine sand brick | 18" | | |
| 26 | | 1-2-2-2 | Same 27'-Grey black silt fine fine sand layered | | | |
| 28 | | 3-4-4-19 | Black cinders, brick trash plastic. 31' light brown silt and organics | 14" | | |
| 30 | | 4-5-7-6 | | | | |
| 32 | | | | | | |
| 34 | | | | | | |
| 36 | | | | | | |
| 38 | | 4-4-5-7 | Olive brown organic silt trash plastic | 24" | | |
| 40 | | | | | | |
| 42 | | | | | | |

_____ in. dia.
Sch. _____

**SAMPLE TYPE**

C = Cuttings SS = Split Spoon SA = Screened Auger R = Rock Core U = Undisturbed O = Other:

**LITHOLOGY DESCRIPTION**

Trace = 0 - 10 % Little = 10 - 20 % Some = 20 - 35 % And = 35 - 50 %

# DRAGIN DRILLING BORING/WELL LOG

**BORING/WELL NO.** SB 301

| | | |
|---|---|---|
| **PROJECT:** Stratford Landfill | **LOCATION:** Stratford CT | **PAGE** 3 of 3 |
| **JOB NO.:** 4ctet02 | **CLIENT:** Tetra Tech | **CONTRACTOR:** DRAGIN Drilling, Inc. |
| **DIG SAFE NO.:** | | **Driller/Helpers:** Swiatek/Donahue |
| **Drilling Method:** HSA 4.25 | **Drilling Equipment:** CME 850 | **Borehole Dia. (in.):** 9" OD 4.25 ID |
| **Installed By:** Swiatek | **Start Date:** 1-19-04 | **Total Depth (ft bgs):** |
| **Logged By:** Swiatek | **Completion Date:** 1-21-04 | **Water Level (ft bgs):** |

| DEPTH (ft) | SAMPLE TYPE/ INTERVAL | BLOW COUNTS | LITHOLOGIC DESCRIPTION | RECOVERY (%) | GRAPH OF WELL | DRILLING NOTES/ WATER LEVEL |
|---|---|---|---|---|---|---|
| 42 | | 4-4-5-7 | Grey fine to coarse sand, round gravel, trace dense silt | 18" | flush-mount or stick-up | |
| 44 | | 19-22-32 48 | | | | |
| 46 | | | | | | |
| 48 | | 26-24-32 62 | Grey fine to coarse sand some rounded gravel | 8" | | |
| 50 | | | BOB 50' | | | |

**SAMPLE TYPE**

C = Cuttings SS = Split Spoon SA = Screened Auger R = Rock Core U = Undisturbed O = Other:

**LITHOLOGY DESCRIPTION**

Trace = 0 - 10 % Little = 10 - 20 % Some = 20 - 35 % And = 35 - 50 %

# DRAGIN DRILLING BORING/WELL LOG

**BORING/WELL NO.** SB 302

| | | |
|---|---|---|
| **PROJECT:** Stratford Landfill | **LOCATION:** Stratford CT | **PAGE** 1 of 1 |
| **JOB NO.:** 4ctef02 | **CLIENT:** Tetra Tech | **CONTRACTOR:** DRAGIN Drilling, Inc. |
| **DIG SAFE NO.:** | | **Driller/Helpers:** Swiatek/Donahue |
| **Drilling Method:** HSA 4.25 | **Drilling Equipment:** CME 850 | **Borehole Dia. (in.):** 9" OD 4.25 ID |
| **Installed By:** Swiatek | **Start Date:** 1-22-04 | **Total Depth (ft bgs):** 9' |
| **Logged By:** Swiatek | **Completion Date:** 1-26-04 | **Water Level (ft bgs):** |

| DEPTH (ft) | SAMPLE TYPE/ INTERVAL | BLOW COUNTS | LITHOLOGIC DESCRIPTION | RECOVERY (%) | GRAPH OF WELL | DRILLING NOTES/ WATER LEVEL |
|---|---|---|---|---|---|---|
| 0 | | 2-2-4-7 | Brown silty organics and fine sand | 8" | flush-mount or stick-up | |
| 2 | | 6-100/3" | Dark brown silt and fine sand some wood, plastics? organics | 7" | | |
| 4 | | 14-19-19-22 | " " | 9" | | |
| 6 | | 16-21-30-34 | Trace large gravel | 8" | | |
| 8 | | 18-100/3" | No recovery | | | |
| 10 | | | Pulled off hole due to incorrect meters and methane gas | | | |

_____ in. dia.
Sch. _____

**SAMPLE TYPE**

C = Cuttings SS = Split Spoon SA = Screened Auger R = Rock Core U = Undisturbed O = Other:

**LITHOLOGY DESCRIPTION**

Trace = 0 - 10 % Little = 10 - 20 % Some = 20 - 35 % And = 35 - 50 %

# DRAGIN DRILLING BORING/WELL LOG

**BORING/WELL NO.** SB 302A

| | | |
|---|---|---|
| **PROJECT:** Stratford Landfill | **LOCATION:** Stratford CT | **PAGE** 1 of 1 |
| **JOB NO.:** 4ctet02 | **CLIENT:** Tetra Tech | **CONTRACTOR:** DRAGIN Drilling, Inc. |
| **DIG SAFE NO.:** | | **Driller/Helpers:** Swiatek/Donahue |
| **Drilling Method:** HSA 4.25 | **Drilling Equipment:** CME 850 | **Borehole Dia. (in.):** 9" OD 4.25 ID |
| **Installed By:** Swiatek | **Start Date:** 11-26-04 | **Total Depth (ft bgs):** 9ft |
| **Logged By:** Swiatek | **Completion Date:** 11-26-04 | **Water Level (ft bgs):** |

| DEPTH (ft) | SAMPLE TYPE/ INTERVAL | BLOW COUNTS | LITHOLOGIC DESCRIPTION | RECOVERY (%) | GRAPH OF WELL | DRILLING NOTES/ WATER LEVEL |
|---|---|---|---|---|---|---|
| 0 | | 3-4-9-27 | Dark brown fine to medium sand some roots | 14" | flush-mount or stick-up | |
| 2 | | | | | | |
| 3 | | 6-13-5-6 | Dark brown silt to fine sand trace fine gravel, wood, metal | 11" | | |
| 5 | | 7-14-16-6 | Dark brown silt fine sand wood rubber | 8" | | |
| 7 | | 6-6-9-14 | Plastic metal wood little silt | 3" | | |
| 9 | | 7-14-19-27 | Dark silt rubbers paper metal | 12" | | |
| 11 | | | | | | |
| | | | Abandon hole methane levels to high | | | |
| | | | BOB 9" | | | |
| | | | | | ____ in. dia. Sch. ____ | |

**SAMPLE TYPE**

C = Cuttings SS = Split Spoon SA = Screened Auger R = Rock Core U = Undisturbed O = Other:

**LITHOLOGY DESCRIPTION**

Trace = 0 - 10 % Little = 10 - 20 % Some = 20 - 35 % And = 35 - 50 %

# DRAGIN DRILLING BORING/WELL LOG

**BORING/WELL NO.** SLB-303

| | | | |
|---|---|---|---|
| **PROJECT:** Stratford Landfill | **LOCATION:** Stratford CT | | **PAGE** 1 of 3 |
| **JOB NO.:** 4cte002 | **CLIENT:** Tetra Tech | **CONTRACTOR:** DRAGIN Drilling, Inc. | |
| **DIG SAFE NO.:** | | **Driller/Helpers:** Swiatek/Donahue | |
| **Drilling Method:** HSA 4.25 | **Drilling Equipment:** CME 850 | **Borehole Dia. (in.):** 9" OD 4.25 ID | |
| **Installed By:** Swiatek | **Start Date:** [illegible] | **Total Depth (ft bgs):** 56' | |
| **Logged By:** Swiatek | **Completion Date:** [illegible] | **Water Level (ft bgs):** | |

| DEPTH (ft) | SAMPLE TYPE/ INTERVAL | BLOW COUNTS | LITHOLOGIC DESCRIPTION | RECOVERY (%) | GRAPH OF WELL | DRILLING NOTES/ WATER LEVEL |
|---|---|---|---|---|---|---|
| 0 | | 41-69-54 50 | Dark brown frozen gravel pieces of plastic, brick, wood | | flush-mount or stick-up | |
| 2 | | 42-39-23 29 | Gray fine to medium sand white cobble dark brown fine to medium sand some silt pieces of wood | | | |
| 4 | | 4-6-6-3 | gray dense sandy silt some gravel | | | |
| 6 | | 7-9-10-11 | Gray sand silt trace gravel pieces wood, tile | | | |
| 8 | | 10-8-5-5 | Dark brown dense silty sand pieces of wood, brick, trace gravel | | | |
| 10 | | 6-6-8-7 | Gray silt some sand trace roots gravel | | | |
| 11 | | 9-3-3-3 | Dark silty sand with gravel plastic | | | |
| 14 | | 3-5-9-13 | Brown trash bags wood chips leaves | | | |
| 16 | | 9-31-22-14 | Brown silty sand with plastics twigs cloth, woodchips, brick | | | |
| 18 | | 42-50-39 22 | No recovery | | | |
| 20 | | 9-13-24-12 | No Recovery | | | |

_____ in. dia.
Sch. _____

**SAMPLE TYPE**

C = Cuttings SS = Split Spoon SA = Screened Auger R = Rock Core U = Undisturbed O = Other:

**LITHOLOGY DESCRIPTION**

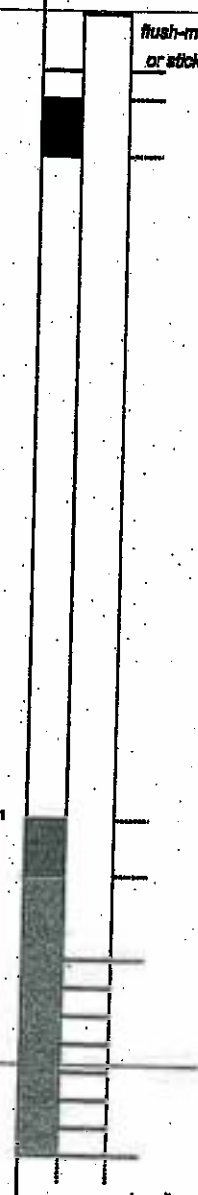
Trace = 0 - 10 % Little = 10 - 20 % Some = 20 - 35 % And = 35 - 50 %

# DRAGIN DRILLING BORING/WELL LOG

**BORING/WELL NO.** SLB-303

| | | | |
|---|---|---|---|
| **PROJECT:** Stratford Landfill | **LOCATION:** Stratford CT | | **PAGE** 2 of 3 |
| **JOB NO.:** 4ctet02 | **CLIENT:** Tetra Tech | **CONTRACTOR:** | DRAGIN Drilling, Inc. |
| **DIG SAFE NO.:** | | **Driller/Helpers:** | Swiatek/Donahue |
| **Drilling Method:** HSA 4.25 | **Drilling Equipment:** CME 850 | **Borehole Dia. (in.):** | 9" OD 4.25 ID |
| **Installed By:** Swiatek | **Start Date:** 1-26-04 | **Total Depth (ft bgs):** | 56' |
| **Logged By:** Swiatek | **Completion Date:** 1-27-04 | **Water Level (ft bgs):** | |

| DEPTH (ft) | SAMPLE TYPE/ INTERVAL | BLOW COUNTS | LITHOLOGIC DESCRIPTION | RECOVERY (%) | GRAPH OF WELL | DRILLING NOTES/ WATER LEVEL |
|---|---|---|---|---|---|---|
| 22 | 8-13-19-17 | | No Recovery | | flush-mount or stick-up | |
| 24 | 14-29-38-51 | | Loose black fine to coarse sand with gravel trace silt | | | |
| 26 | | 19-35-21 25 | Dark brown black fine sand cinders, plastic fine gravel | 3" | | |
| 28 | | 14-9-6-12 | Same as above with wire and metal | 6" | | |
| 30 | | 9-7-10-13 | Black silty fine sand wood, plastic, gravel | 12" | | |
| 32 | | 8-36-19-17 | Brown silt and fine sand, fine gravel, 6" plastic | 18" | | |
| 34 | | 12-100/3" | Same as above trace plastic | 3" | | |
| 36 | | 56-14-16 100/1" | Black silt and fine sand plastic in half of spoon | 12" | | |
| 38 | | 14-100/4" | Black silty fine to coarse sand wood | 12" | | |
| 40 | | 8-15-10-10 | Black silty fine sand trace wood | 9" | | |
| 42 | | 3-3-4-5 | Black silty fine sand, wood | 8" | | |




**SAMPLE TYPE**

C = Cuttings SS = Split Spoon SA = Screened Auger R = Rock Core U = Undisturbed O = Other:

**LITHOLOGY DESCRIPTION**

Trace = 0 - 10 % Little = 10 - 20 % Some = 20 - 35 % And = 35 - 50 %

# DRAGIN DRILLING BORING/WELL LOG

**BORING/WELL NO.** SLB-303

| | | |
|---|---|---|
| **PROJECT:** Stratford Landfill | **LOCATION:** Stratford CT | **PAGE** 3 of 3 |
| **JOB NO.:** 4cte002 | **CLIENT:** Tetra Tech | **CONTRACTOR:** DRAGIN Drilling, Inc. |
| **DIG SAFE NO.:** | | **Driller/Helpers:** Swiatek/Donahue |
| **Drilling Method:** HSA 4.25 | **Drilling Equipment:** CME 850 | **Borehole Dia. (in.):** 9" OD 4.25 ID |
| **Installed By:** Swiatek | **Start Date:** 1-26-04 | **Total Depth (ft bgs):** 56' |
| **Logged By:** Swiatek | **Completion Date:** 1-27-04 | **Water Level (ft bgs):** |

| DEPTH (ft) | SAMPLE TYPE/ INTERVAL | BLOW COUNTS | LITHOLOGIC DESCRIPTION | RECOVERY (%) | GRAPH OF WELL | DRILLING NOTES/ WATER LEVEL |
|---|---|---|---|---|---|---|
| 44 | 0 | 9-6-7-8 | Black fine sand trace silt plasticin top of spoon | 13" | flush-mount or stick-up | |
| 46 | | | | | | |
| 48 | | | | | | |
| 50 | | | 51-53 Brown fine to coarse sand medium gravel | 3" | | |
| 52 | | | | | | |
| 54 | | | | | | |
| 56 | | | Light brown fine to coarse sand coarse gravel | | | |
| 58 | | | | | | |
| | | | BOB 56' | | | |

**SAMPLE TYPE**

C = Cuttings SS = Split Spoon SA = Screened Auger R = Rock Core U = Undisturbed O = Other:

**LITHOLOGY DESCRIPTION**

Trace = 0 - 10 % Little = 10 - 20 % Some = 20 - 35 % And = 35 - 50 %

# DRAGIN DRILLING BORING/WELL LOG

**BORING/WELL NO.** SB-304

| | | |
|---|---|---|
| **PROJECT:** Stratford Landfill | **LOCATION:** Stratford CT | **PAGE** 1 of 2 |
| **JOB NO.:** 4chet02 | **CLIENT:** Tetra Tech | **CONTRACTOR:** DRAGIN Drilling, Inc. |
| **DIG SAFE NO.:** | | **Driller/Helpers:** Swiatek/Donahue |
| **Drilling Method:** HSA 4.25 | **Drilling Equipment:** CME 850 | **Borehole Dia. (In.):** 9" OD 4.25 ID |
| **Installed By:** Swiatek | **Start Date:** 11-26-04 | **Total Depth (ft bgs):** 44' |
| **Logged By:** Swiatek | **Completion Date:** 11-27-04 | **Water Level (ft bgs):** |

| DEPTH (ft) | SAMPLE TYPE/ INTERVAL | BLOW COUNTS | LITHOLOGIC DESCRIPTION | RECOVERY (%) | GRAPH OF WELL | DRILLING NOTES/ WATER LEVEL |
|---|---|---|---|---|---|---|
| 0 | | 46 100/3" | Olive brown silt and fine sand some fine gravel crushed stone | 8" | flush-mount or stick-up | |
| 2 | | 9-13-12-15 | Brown silty fine sand gravel with crushed stone | 2" | | |
| 4 | | 6-10-9-11 | Black silt little fine sand cinders brick | 17" | | |
| 6 | | 4-7-7-11 | Black silt find sand brick cinders, brick | 12" | | |
| 8 | | 6-8-8-14 | Black silt cinders plastic wood | 6" | | |
| 10 | | 9-100/4" | No Recovery | 0" | | |
| 12 | | 16-100/2" | Black silt leaves wood wire | 2" | | |
| 14 | | 6-14-38-19 | Black silt concrete wire wood | 8" | | |
| 16 | | 9-21-36-20 | Black silt wood crushed stone | 16" | | |
| 18 | | 6-14-19-18 | Black silt and wood top 6" | 10" | | |
| 20 | | 4-5-6-6 | light brown fine to coarse sand trace fine gravel. Black silt fine sand fine to medium sand layers 2" trace fine gravel | 5" | ____ in. dia. Sch. ____ | |

**SAMPLE TYPE**

C = Cuttings SS = Split Spoon SA = Screened Auger R = Rock Core U = Undisturbed O = Other:

**LITHOLOGY DESCRIPTION**

Trace = 0 - 10 % Little = 10 - 20 % Some = 20 - 35 % And = 35 - 50 %

# DRAGIN DRILLING BORING/WELL LOG

**BORING/WELL NO.** SB 304

| | | |
|---|---|---|
| **PROJECT:** Stratford Landfill | **LOCATION:** Stratford CT | **PAGE** 2 of 2 |
| **JOB NO.:** 4ctef02 | **CLIENT:** Tetra Tech | **CONTRACTOR:** DRAGIN Drilling, Inc. |
| **DIG SAFE NO.:** | | **Driller/Helpers:** Swiatek/Donahue |
| **Drilling Method:** HSA 4.25 | **Drilling Equipment:** CME 850 | **Borehole Dia. (in.):** 9" OD 4.25 ID |
| **Installed By:** Swiatek | **Start Date:** 1-26-04 | **Total Depth (ft bgs):** 44' |
| **Logged By:** Swiatek | **Completion Date:** 1-27-04 | **Water Level (ft bgs):** |

| DEPTH (ft) | SAMPLE TYPE/ INTERVAL | BLOW COUNTS | LITHOLOGIC DESCRIPTION | RECOVERY (%) | GRAPH OF WELL | DRILLING NOTES/ WATER LEVEL |
|---|---|---|---|---|---|---|
| 22 | | | | | flush-mount or stick-up | |
| 24 | | | | | | |
| 26 | | | | | | |
| 28 | | 14-100/2" | Black silty sand | 5" | | |
| 30 | | 19-24-31 37 | Black fine sand with large crushed stone | 18" | | |
| 32 | | 14-21-25-36 36 | Black fine sand with crushed stone | 20" | | |
| 34 | | | | | | |
| 36 | | | | | | |
| 38 | | | | | | |
| 40 | | 19-27-38 51 | 39-41' Brown fine sand and gravel | 6" | | |
| 42 | | | | | | |

_____ in. dia.
Sch. _____

**SAMPLE TYPE**

C = Cuttings SS = Split Spoon SA = Screened Auger R = Rock Core U = Undisturbed O = Other:

**LITHOLOGY DESCRIPTION**

Trace = 0 - 10 % Little = 10 - 20 % Some = 20 - 35 % And = 35 - 50 %

# DRAGIN DRILLING BORING/WELL LOG

**BORING/WELL NO.** SLB 305

| | | |
|---|---|---|
| **PROJECT:** Stratford Landfill | **LOCATION:** Stratford CT | **PAGE** 1 of 1 |
| **JOB NO.:** 4chef02 | **CLIENT:** Tetra Tech | **CONTRACTOR:** DRAGIN Drilling, Inc. |
| **DIG SAFE NO.:** | | **Driller/Helpers:** Swiatek/Donahue |
| **Drilling Method:** HSA 4.25 | **Drilling Equipment:** CME 850 | **Borehole Dia. (in.):** 9" OD 4.25 ID |
| **Installed By:** Swiatek | **Start Date:** 1-28-04 | **Total Depth (ft bgs):** 34' |
| **Logged By:** Swiatek | **Completion Date:** 1-28-04 | **Water Level (ft bgs):** |

| DEPTH (ft) | SAMPLE TYPE/ INTERVAL | BLOW COUNTS | LITHOLOGIC DESCRIPTION | RECOVERY (%) | GRAPH OF WELL | DRILLING NOTES/ WATER LEVEL |
|---|---|---|---|---|---|---|
| 0 | | | | | flush-mount or stick-up | |
| 5 | | 6-13-15-14 | Light brown silt and fine sand glass trace fine gravel | 2" | | |
| 10 | | 7-9-11-13 | Brown fine to coarse sand wood large cobbles | 6" | | |
| 15 | | 6-13-12-14 | Black silt and fine sand wood glass plastics | 7" | | |
| 20 | | 7-19-21-16 | Black silt and plastics | 3" | | |
| 25 | | 8-13-11-11 | wood and plastics | 3" | | |
| 30 | | 100/6" | large cobble in spoon | 1" | | |
| 35 | | 66-49-51-42 | Black brown fine to medium sand trace silt some crushed stone | 14" | | |
| 40 | | 36-29-32-41 | Olive brown silty fine sand trace coarse sand and gravel | 1" | | |
| 45 | | | BOB 34' | | | |

_____ in. dia.
Sch. _____

**SAMPLE TYPE**

C = Cuttings SS = Split Spoon SA = Screened Auger R = Rock Core U = Undisturbed O = Other:

**LITHOLOGY DESCRIPTION**

Trace = 0 - 10 % Little = 10 - 20 % Some = 20 - 35 % And = 35 - 50 %

# DRAGIN DRILLING BORING/WELL LOG

**BORING/WELL NO.** SB 306

| | | |
|---|---|---|
| **PROJECT:** Stratford Landfill | **LOCATION:** Stratford CT | **PAGE** 1 of 1 |
| **JOB NO.:** 4ctef02 | **CLIENT:** Tetra Tech | **CONTRACTOR:** DRAGIN Drilling, Inc. |
| **DIG SAFE NO.:** | | **Driller/Helpers:** Swiatek/Donahue |
| **Drilling Method:** HSA 4.25 | **Drilling Equipment:** CME 850 | **Borehole Dia. (in.):** 9" OD 4.25 ID |
| **Installed By:** Swiatek | **Start Date:** 1-28-04 | **Total Depth (ft bgs):** 44' |
| **Logged By:** Swiatek | **Completion Date:** 1-29-04 | **Water Level (ft bgs):** |

| DEPTH (ft) | SAMPLE TYPE/ INTERVAL | BLOW COUNTS | LITHOLOGIC DESCRIPTION | RECOVERY (%) | GRAPH OF WELL | DRILLING NOTES/ WATER LEVEL |
|---|---|---|---|---|---|---|
| 0 | | | | | flush-mount or stick-up | |
| 5 | | 3-4-4-6 | Black silt with trace organics | 18" | | |
| 10 | | 6-9-11-13 | Black silt crushed stone, brick plastic, wood | 10" | | |
| 15 | | 8-9-9-16 | Black silt, cinders, brick, wood paper | 11" | | |
| 20 | | 8-8-10-13 | Same as above with no paper | 10" | | |
| 25 | | 7-6-8-8 | Black silt and fine sand, wood plastic | 6" | | |
| 30 | | 9-18-27-28 | Black silt, wood, paper, fabric wood | 7" | | |
| 35 | | 4-7-7-8 | Black silty fine sand, top 4 " organics, trace silt | 12" | | |
| 40 | | 8-11-14-12 | Dark gray fine to coarse sand, trace silt with gravel | 18" | | |
| 45 | | 20-25-28 36 | 44-46' Grey fine coarse sand, trace fine to medium gravel large cobles | 16" | | |
| 50 | | | BOB 44' | | ____ in. dia. Sch. ____ | |

**SAMPLE TYPE**

C = Cuttings SS = Split Spoon SA = Screened Auger R = Rock Core U = Undisturbed O = Other:

**LITHOLOGY DESCRIPTION**

Trace = 0 - 10 % Little = 10 - 20 % Some = 20 - 35 % And = 35 - 50 %

# DRAGIN DRILLING BORING/WELL LOG

BORING/WELL NO. SLB 307

| | | |
|---|---|---|
| PROJECT: Stratford Landfill | LOCATION: Stratford CT | PAGE 1 of 2 |
| JOB NO.: 4ctet02 | CLIENT: Tetra Tech | CONTRACTOR: DRAGIN Drilling, Inc. |
| Drilling Method: HSA 4.25 | | Driller/Helpers: Wilkey/Fernandes |
| Drilling Equipment: CME 850S | | Borehole Dia. (in.): 9" OD 4.25 ID |
| Installed By: Mike Wilkey | Start Date: 1-27-04 | Total Depth (ft bgs): 36' |
| Logged By: Mike Wilkey | Completion Date: 1-27-04 | Water Level (ft bgs): |

| DEPTH (ft) | SAMPLE TYPE/ INTERVAL | BLOW COUNTS | LITHOLOGIC DESCRIPTION | RECOVERY (%) | GRAPH OF WELL | DRILLING NOTES/ WATER LEVEL |
|---|---|---|---|---|---|---|
| 0 | 12-5-3-3 | 12-5-3-3 | Dark brown peat, trace fine gravel, little fine to coarse sand | 15" | flush-mount or stick-up | |
| 2 | [illegible] | 6-6-14-10 | Same as above with some sand | 16" | | |
| 4 | | 6-12-20-25 | Dark brown to black sand, little silt, little organics, trace cobbles | 15" | | |
| 6 | | 1-2-2-2 | Dark brown silty sand, fine gravel, some organics | 13" | | |
| 8 | | 12-8-8-12 | No Recovery | 0" | | |
| 10 | | 17-9-12-12 | Cobble | 1.5" | | |
| 12 | | 6-6-4-5 | Dark gray sand, trace organics | 18" | | |
| 14 | | 6-9-6-6 | Same as above | 14" | | |
| 16 | | 7-3-3-5 | Same as above with dark tan to grey color | 8" | | |
| 18 | | 5-5-5-6 | Dark grey sand, little silt, garbage | 8" | | |
| 20 | | 2-3-2-1 | Metal in tip of spoon | 0" | | |

_____ in. dia.
Sch. _____

SAMPLE TYPE

C = Cuttings SS = Split Spoon SA = Screened Auger R = Rock Core U = Undisturbed O = Other:

LITHOLOGY DESCRIPTION

Trace = 0 - 10 % Little = 10 - 20 % Some = 20 - 35 % And = 35 - 50 %

# DRAGIN DRILLING BORING/WELL LOG

BORING/WELL NO. SB 307

| | | |
|---|---|---|
| PROJECT: Stratford Landfill | LOCATION: Stratford CT | PAGE 2 of 2 |
| JOB NO.: 4ctet02 | CLIENT: Tetra Tech | CONTRACTOR: DRAGIN Drilling, Inc. |
| Drilling Method: HSA 4.25 | | Driller/Helpers: Willkey/Fernandes |
| Drilling Equipment: GME 8505 | | Borehole Dia. (in.): 9" OD 4.25 ID |
| Installed By: Mike Willkey | Start Date: 1-27-04 | Total Depth (ft bgs): 36' |
| Logged By: Mike Willkey | Completion Date: 1-27-04 | Water Level (ft bgs): |

| DEPTH (ft) | SAMPLE TYPE/ INTERVAL | BLOW COUNTS | LITHOLOGIC DESCRIPTION | RECOVERY (%) | GRAPH OF WELL | DRILLING NOTES/ WATER LEVEL |
|---|---|---|---|---|---|---|
| 22 | | 25- 50/1" | Refuse | 12" | flush-mount or stick-up | |
| 24 | ↑ Fill | 22-43-45 18 | Refuse | 12" | | |
| 26 | | 50-38-9-10 | Bottom 7" dark gray sand, fine to medium gravel, little silt SW/SP | 16" | | |
| 28 | | 11-10-5-6 | No Recovery | 0" | | |
| 30 | | 21-19-8-7 | Dark gray to black silt, some fine sand, trace organics ML | 4" | | |
| 32 | | 46-50/1" | No Recovery | 0" | | |
| 34 | | 3-4-5-5 | 34-35' Dark gray silt, little fine sand ML<br>2" Dark gray medium sand SP<br>35-36 Peat, organic matter PT | 18" | | |
| 36 | | | | | | |
| 38 | | | EOB 36' | | | |
| 40 | | | | | | |
| 42 | | | | | | |

_____ in. dia.
Sch. _____

SAMPLE TYPE

C = Cuttings SS = Split Spoon SA = Screened Auger R = Rock Core U = Undisturbed O = Other:

LITHOLOGY DESCRIPTION

Trace = 0 - 10 % Little = 10 - 20 % Some = 20 - 35 % And = 35 - 50 %

# DRAGIN DRILLING BORING/WELL LOG

**BORING/WELL NO.** SLB 308

| | | | |
|---|---|---|---|
| **PROJECT:** Stratford Landfill | **LOCATION:** Stratford CT | | **PAGE** 1 of 2 |
| **JOB NO.:** 4cbef02 | **CLIENT:** Tetra Tech | **CONTRACTOR:** | DRAGIN Drilling, Inc. |
| **DIG SAFE NO.:** | | **Driller/Helpers:** | Swiatek/Donahue |
| **Drilling Method:** HSA 4.25 | **Drilling Equipment:** CME 850 | **Borehole Dia. (in.):** | 9" OD 4.25 ID |
| **Installed By:** Swiatek | **Start Date:** 1-29-04 | **Total Depth (ft bgs):** | 55' |
| **Logged By:** Swiatek | **Completion Date:** 1-30-04 | **Water Level (ft bgs):** | |

| DEPTH (ft) | SAMPLE TYPE/ INTERVAL | BLOW COUNTS | LITHOLOGIC DESCRIPTION | RECOVERY (%) | GRAPH OF WELL | DRILLING NOTES/ WATER LEVEL |
|---|---|---|---|---|---|---|
| 0 | | | | | flush-mount or stick-up | |
| 5 | | 9-11-13-12 | Black dark brown silt and fine sand, cinders, fine gravel | 15" | | |
| 10 | | 4-6-9-9 | Dark brown silt and fine sand wood, crushed stone | 14" | | |
| 15 | | 11-16-21 19 | Dark brown silty fine sand, large cobbles, crushed stone trace wood | 11" | | |
| 20 | | 7-8-11-16 | Black silt and paper | 12" | | |
| 25 | | 5-6-6-9 | Dark brown silty fine sand, gravel, wood | 12" | | |
| 30 | | 8-12-9-13 | Black silty fine sand, wood fabric | 8" | | |
| 35 | | 4-4-5-7 | Dark brown silt and fine sand, wood, plastic, paper | 12" | | |
| 40 | | 5-6-5-5 | Dark brown silt and peat organics trace wood | 24" | | |
| 45 | | 7-9-11-13 | Grey fine to medium sand, trace silt and gravel | 15" | | |
| 50 | | 6-5-4-7 | Brown silt with 1" medium sand layer | | | |

_____ in. dia.
Sch. _____

**SAMPLE TYPE**

C = Cuttings SS = Split Spoon SA = Screened Auger R = Rock Core U = Undisturbed O = Other:

**LITHOLOGY DESCRIPTION**

Trace = 0 - 10 % Little = 10 - 20 % Some = 20 - 35 % And = 35 - 50 %

# DRAGIN DRILLING BORING/WELL LOG

**BORING/WELL NO.** SB 308

| | | |
|---|---|---|
| **PROJECT:** Stratford Landfill | **LOCATION:** Stratford CT | **PAGE** 2 of 2 |
| **JOB NO.:** 4cfef002 | **CLIENT:** Tetra Tech | **CONTRACTOR:** DRAGIN Drilling, Inc. |
| **DIG SAFE NO.:** | | **Driller/Helpers:** Swiatek/Donahue |
| **Drilling Method:** HSA 4.25 | **Drilling Equipment:** CME 850 | **Borehole Dia. (in.):** 9" OD 4.25 ID |
| **Installed By:** Swiatek | **Start Date:** 1-29-04 | **Total Depth (ft bgs):** 55' |
| **Logged By:** Swiatek | **Completion Date:** 1-30-04 | **Water Level (ft bgs):** |

| DEPTH (ft) | SAMPLE TYPE/ INTERVAL | BLOW COUNTS | LITHOLOGIC DESCRIPTION | RECOVERY (%) | GRAPH OF WELL | DRILLING NOTES/ WATER LEVEL |
|---|---|---|---|---|---|---|
| 0 | | | | | flush-mount or stick-up | |
| 55 | | | Light brown silty fine sand with gravel | 7" | | |
| 60 | | | EOB 55' | | | |

**SAMPLE TYPE**

C = Cuttings SS = Split Spoon SA = Screened Auger R = Rock Core U = Undisturbed O = Other:

**LITHOLOGY DESCRIPTION**

Trace = 0 - 10 % Little = 10 - 20 % Some = 20 - 35 % And = 35 - 50 %

# DRAGIN DRILLING BORING/WELL LOG

BORING/WELL NO. SLB 309

| | | |
|---|---|---|
| PROJECT: Stratford Landfill | LOCATION: Stratford CT | PAGE 1 of 2 |
| JOB NO.: 4ctet02 | CLIENT: Tetra Tech | CONTRACTOR: DRAGIN Drilling, Inc. |
| Drilling Method: HSA 4.25 | | Driller/Helpers: Wilkey/Fernandes |
| Drilling Equipment: CME 8505 | | Borehole Dia. (in.): 9" OD 4.25 ID |
| Installed By: Mike Wilkey | Start Date: 1-28-04 | Total Depth (ft bgs): 28' |
| Logged By: Mike Wilkey | Completion Date: 1-28-04 | Water Level (ft bgs): |

| DEPTH (ft) | SAMPLE TYPE/ INTERVAL | BLOW COUNTS | LITHOLOGIC DESCRIPTION | RECOVERY (%) | GRAPH OF WELL | DRILLING NOTES/ WATER LEVEL |
|---|---|---|---|---|---|---|
| 0 | | 8-9-6-3 | Dark brown fine to medium sand little organics, trace silt | 12" | flush-mount or stick-up | |
| 2 | | 3-3-4-4 | Peat, some sand, grabage | 10" | | |
| 4 | | 2-1-1-1 | No Recovery | 0" | | |
| 6 | | 11-1-1-WOH | No Recovery | 0" | | |
| 8 | | 1-3-1-1 | Peat/Wood | 5" | | |
| 10 | | WOH/18"-7 | Dark brown silty sand, fine gravel, some organics | 6" | | |
| 12 | | WOH/18"-2 | Same as above | 24" | | |
| 14 | | 9-12-14-17 | Same as above with bottom 4" Dark gray sand, medium gravel trace fine gravel | 14" | | |
| 16 | | 8-9-9-11 | No Recovery | 0" | | |
| 18 | | 12-50-18-30 | Wood, peat, trace silt and sand | 8" | | |
| 20 | | 12-50-18 30 | Sand and gravel, fine to medium sand, dark gray fine to coarse gravel, trace silt | 16" | ____ in. dia. Sch. ____ | |

SAMPLE TYPE

C = Cuttings SS = Split Spoon SA = Screened Auger R = Rock Core U = Undisturbed O = Other:

LITHOLOGY DESCRIPTION

Trace = 0 - 10 % Little = 10 - 20 % Some = 20 - 35 % And = 35 - 50 %

# DRAGIN DRILLING BORING/WELL LOG

BORING/WELL NO. SLB 309

| | | | |
|---|---|---|---|
| PROJECT: Stratford Landfill | LOCATION: Stratford CT | | PAGE 2 of 2 |
| JOB NO.: 4ctet02 | CLIENT: Tetra Tech | CONTRACTOR: | DRAGIN Drilling, Inc. |
| Drilling Method: HSA 4.25 | | Driller/Helpers: | Wilkey/Fernandes |
| Drilling Equipment: CME 8505 | | Borehole Dia. (in.): | 9" OD 4.25 ID |
| Installed By: Mike Wilkey | Start Date: 1-28-04 | Total Depth (ft bgs): | 28' |
| Logged By: Mike Wilkey | Completion Date: 1-28-04 | Water Level (ft bgs): | |

| DEPTH (ft) | SAMPLE TYPE/ INTERVAL | BLOW COUNTS | LITHOLOGIC DESCRIPTION | RECOVERY (%) | GRAPH OF WELL | DRILLING NOTES/ WATER LEVEL |
|---|---|---|---|---|---|---|
| 22 | ↑ Fill | 8-20-24-18 | Dark gray silty sand, fine gravel some wood and garbage | 18" | flush-mount or stick-up | |
| 24 | | 5-9-7-5 | Dark gray sand, fine gravel, little silt, trace organics and garbage SP/GP | 8" | | |
| 26 | | 3-4-4-3 | Dark gray silt and sand, fine gravel little organics SM/ML | 16" | | |
| 28 | | | | | | |
| 30 | | | BOB 28' | | | |

_____ in. dia.
Sch. _____

SAMPLE TYPE

C = Cuttings SS = Split Spoon SA = Screened Auger R = Rock Core U = Undisturbed O = Other:

LITHOLOGY DESCRIPTION

Trace = 0 - 10 % Little = 10 - 20 % Some = 20 - 35 % And = 35 - 50 %

# DRAGIN DRILLING BORING/WELL LOG

BORING/WELL NO. SB 310

| | | |
|---|---|---|
| PROJECT: Stratford Landfill | LOCATION: Stratford CT | PAGE 1 of 2 |
| JOB NO.: 4ctet02 | CLIENT: Tetra Tech | CONTRACTOR: DRAGIN Drilling, Inc. |
| Drilling Method: HSA 4.25 | | Driller/Helpers: Wilkey/Fernandes |
| Drilling Equipment: CME 850S | | Borehole Dia. (in.): 9" OD 4.25 ID |
| Installed By: Mike Wilkey | Start Date: 1-28-04 | Total Depth (ft bgs): 34' |
| Logged By: Mike Wilkey | Completion Date: 1-29-04 | Water Level (ft bgs): |

| DEPTH (ft) | SAMPLE TYPE/ INTERVAL | BLOW COUNTS | LITHOLOGIC DESCRIPTION | RECOVERY (%) | GRAPH OF WELL | DRILLING NOTES/ WATER LEVEL |
|---|---|---|---|---|---|---|
| 0 | | 1-2-3-3 | Wood, dark gray sand, medium gravel | 4" | flush-mount or stick-up | |
| 2 | | 4-10-5-3 | Dark brown fine to medium sand some silt, trace fine gravel | 12" | | |
| 4 | | 4-9-2-3 | No Recovery | 0" | | |
| 6 | | 4-13-14-11 | Dark gray silty sand, fine gravel trace cobbles | 4" | | |
| 8 | | 9-14-9-8 | Wood, leaves | 2" | | |
| 10 | | 20-20-9-11 | Wood, trace coarse gravel, some silty sand | 24" | | |
| 12 | | 14-16-16-15 | Wood sand and fine gravel | 4" | | |
| 14 | | 14-22-13 14 | Dark gray sand, some fine to coarse gravel, little silt | 16" | | |
| 16 | | 17-19-22 30 | Silty sand, Dark gray fine to gravel, trace fine to coarse gravel, little silt | 6" | | |
| 18 | | 9-11-11-15 | Same as above | 8" | | |
| 20 | | 15-40-31 30 | Cardboard, some fine silty sand | 24" | ____ in. dia. Sch. ____ | |

SAMPLE TYPE

C = Cuttings SS = Split Spoon SA = Screened Auger R = Rock Core U = Undisturbed O = Other:

LITHOLOGY DESCRIPTION

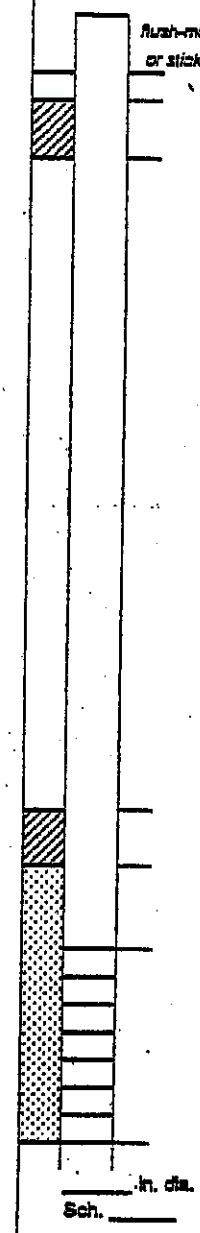
Trace = 0 - 10 % Little = 10 - 20 % Some = 20 - 35 % And = 35 - 50 %

# DRAGIN DRILLING BORING/WELL LOG

BORING/WELL NO. SLB 310

| | | |
|---|---|---|
| PROJECT: Stratford Landfill | LOCATION: Stratford CT | PAGE 2 of 2 |
| JOB NO.: 4ctet02 | CLIENT: Tetra Tech | CONTRACTOR: DRAGIN Drilling, Inc. |
| Drilling Method: HSA 4.25 | | Driller/Helpers: Wilkey/Fernandes |
| Drilling Equipment: CME 850S | | Borehole Dia. (in.): 9" OD 4.25 ID |
| Installed By: Mike Wilkey | Start Date: 1-28-04 | Total Depth (ft bgs): 34' |
| Logged By: Mike Wilkey | Completion Date: 1-29-04 | Water Level (ft bgs): |

| DEPTH (ft) | SAMPLE TYPE/ INTERVAL | BLOW COUNTS | LITHOLOGIC DESCRIPTION | RECOVERY (%) | GRAPH OF WELL | DRILLING NOTES/ WATER LEVEL |
|---|---|---|---|---|---|---|
| 22 | | 90/5" | Garbage | 3" | flush-mount or stick-up | |
| 24 | | 40- 100/3" | No Recovery | 0" | | |
| 26 | | 40-20-12 100 | No Recovery | 0" | | |
| 28 | ↑ Fill | 4-5-5-3 | Dark gray silty fine sand, some wood and garbage | 12" | | |
| 30 | | 16-12-12 13 | Same as above with no garbage SM | 2" | | |
| 32 | | 7-4-4-5 | Dark gray silt, some fine sand trace organics ML | 24" | | |
| 34 | | | BOB 34' | | | |
| 36 | | | | | | |
| 38 | | | | | | |
| 40 | | | | | | |




SAMPLE TYPE

C = Cuttings SS = Split Spoon SA = Screened Auger R = Rock Core U = Undisturbed O = Other:

LITHOLOGY DESCRIPTION

Trace = 0 - 10 % Little = 10 - 20 % Some = 20 - 35 % And = 35 - 50 %

# DRAGIN DRILLING BORING/WELL LOG

BORING/WELL NO. SLB 311

| | | |
|---|---|---|
| PROJECT: Stratford Landfill | LOCATION: Stratford CT | PAGE 1 of 2 |
| JOB NO.: 4ctet02 | CLIENT: Tetra Tech | CONTRACTOR: DRAGIN Drilling, Inc. |
| Drilling Method: HSA 4.25 | | Driller/Helpers: Wilkey/Fernandes |
| Drilling Equipment: CME 850S | | Borehole Dia. (in.): 9" OD 4.25 ID |
| Installed By: Mike Wilkey | Start Date: 1-29-04 | Total Depth (ft bgs): 30' |
| Logged By: Mike Wilkey | Completion Date: 1-29-04 | Water Level (ft bgs): |

| DEPTH (ft) | SAMPLE TYPE/ INTERVAL | BLOW COUNTS | LITHOLOGIC DESCRIPTION | RECOVERY (%) | GRAPH OF WELL | DRILLING NOTES/ WATER LEVEL |
|---|---|---|---|---|---|---|
| 0 | | 20-12-6-4 | Olive brown sand, fine gravel trace fine sand, some silt, little fine to coarse gravel | 6" | flush-mount or stick-up | |
| 2 | | 3-5-5-5 | Same as above | 8" | | |
| 4 | | 1-1-1-3 | Same as above | 3" | | |
| 6 | | 8-7-7-7 | Dark gray silt, some fine sand, trace fine gravel and organics | 24" | | |
| 8 | | 5-5-15-6 | Same as above | 8" | | |
| 10 | | 5-5-15-6 | No Recovery | 0" | | |
| 12 | | 12-50/2" | No Recovery | 0" | | |
| 14 | | 26-90/4" | Dark gray silty sand, fine gravel | 3" | | |
| 16 | | 22-38-42 50/1" | No Recovery | 0" | | |
| 18 | | 50-100 | Dark gray sand, fine to coarse some fine to coarse gravel, little silt | 7" | | |
| 20 | | 20-12-12 9 | Same as above | 2" | ____ in. dia. Sch. ____ | |

SAMPLE TYPE

C = Cuttings SS = Split Spoon SA = Screened Auger R = Rock Core U = Undisturbed O = Other:

LITHOLOGY DESCRIPTION

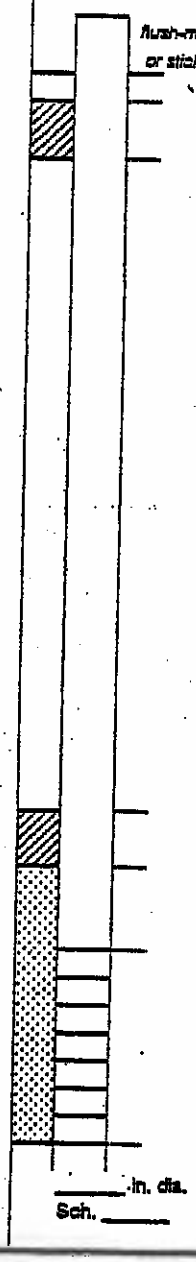
Trace = 0 - 10 % Little = 10 - 20 % Some = 20 - 35 % And = 35 - 50 %

# DRAGIN DRILLING BORING/WELL LOG

BORING/WELL NO. SLB 311

| | | |
|---|---|---|
| PROJECT: Stratford Landfill | LOCATION: Stratford CT | PAGE 2 of 2 |
| JOB NO.: 4ctet02 | CLIENT: Tetra Tech | CONTRACTOR: DRAGIN Drilling, Inc. |
| Drilling Method: HSA 4.25 | | Driller/Helpers: Wilkey/Fernandes |
| Drilling Equipment: CME 850S | | Borehole Dia. (in.): 9" OD 4.25 ID |
| Installed By: Mike Wilkey | Start Date: 1-29-04 | Total Depth (ft bgs): 30' |
| Logged By: Mike Wilkey | Completion Date: 1-29-04 | Water Level (ft bgs): |

| DEPTH (ft) | SAMPLE TYPE/ INTERVAL | BLOW COUNTS | LITHOLOGIC DESCRIPTION | RECOVERY (%) | GRAPH OF WELL | DRILLING NOTES/ WATER LEVEL |
|---|---|---|---|---|---|---|
| 22 | | 2-3-3-5 | Same as above | 8" | flush-mount or stick-up | |
| 24 | | 4-6-10-12 | Silty sand some plastic and garbage | 4" | | |
| 26 | | 5-8-8-5 | Same as above with little organics | 14" | | |
| 28 | ↑ Fill | 6-5-4-6 | No Recovery | 0" | | |
| 30 | | | BOB 30' | | | |
| 32 | | | | | | |
| 34 | | | | | | |
| 36 | | | | | | |




SAMPLE TYPE

C = Cuttings SS = Split Spoon SA = Screened Auger R = Rock Core U = Undisturbed O = Other:

LITHOLOGY DESCRIPTION

Trace = 0 - 10 % Little = 10 - 20 % Some = 20 - 35 % And = 35 - 50 %

# DRAGIN DRILLING BORING/WELL LOG

BORING/WELL NO. SB 312

| | | |
|---|---|---|
| PROJECT: Stratford Landfill | LOCATION: Stratford CT | PAGE 1 of 2 |
| JOB NO.: 4ctet02 | CLIENT: Tetra Tech | CONTRACTOR: DRAGIN Drilling, Inc. |
| Drilling Method: HSA 4.25 | | Driller/Helpers: Wilkey/Fernandes |
| Drilling Equipment: GME 8505 | | Borehole Dia. (in.): 9" OD 4.25 ID |
| Installed By: Mike Wilkey | Start Date: 1-29-04 | Total Depth (ft bgs): 24' |
| Logged By: Mike Wilkey | Completion Date: 1-29-04 | Water Level (ft bgs): |

| DEPTH (ft) | SAMPLE TYPE/ INTERVAL | BLOW COUNTS | LITHOLOGIC DESCRIPTION | RECOVERY (%) | GRAPH OF WELL | DRILLING NOTES/ WATER LEVEL |
|---|---|---|---|---|---|---|
| 0 | | 2-8-24-24 | Dark brown peat, some coarse gravel, little medium sand | 24" | flush-mount or stick-up | |
| 2 | | 17-17-14 15 | Dark brown sand, medium to coarse trace fine to coarse gravel trace silt | 14" | | |
| 4 | | 7-7-12-10 | No Recovery | 0" | | |
| 6 | | 28-20-5-7 | Fine to coarse gravel, trace cobbles, trace silt, trace sand | 4" | | |
| 8 | | 3-4-4-5 | Dark brown silt, some fine sand trace organics, trace fine gravel | 20" | | |
| 10 | | 5-8-4-5 | Dark brown peat, some fine sand and silt, organics | 14" | | |
| 12 | | 3-8-24-25 | 2" peat, gray medium grained sand, little gravel | 16" | | |
| 14 | | 7-8-6-7 | Dark gray fine to medium sand, little silt, trace fine gravel | 12" | | |
| 16 | | 31-3-33-40 | Dark gray medium sand, little silt, some organics and garbage | 8" | | |
| 18 | | 8-5-8-13 | Dark fine to medium sand, trace silt, trace fine gravel and garbage | 13" | | |
| 20 | ↑ Fill | 4-4-5-5 | Dark gray fine to medium sand, little silt SP | 7" | ____ in. dia. Sch. ____ | |

SAMPLE TYPE

C = Cuttings SS = Split Spoon SA = Screened Auger R = Rock Core U = Undisturbed O = Other:

LITHOLOGY DESCRIPTION

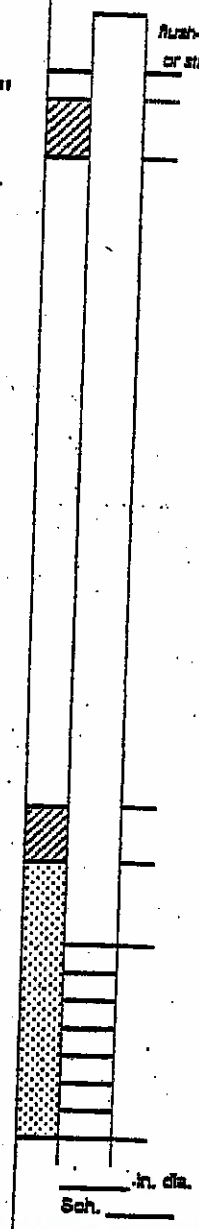
Trace = 0 - 10 % Little = 10 - 20 % Some = 20 - 35 % And = 35 - 50 %

# DRAGIN DRILLING BORING/WELL LOG

BORING/WELL NO. SLB 312

| | | |
|---|---|---|
| PROJECT: Stratford Landfill | LOCATION: Stratford CT | PAGE 2 of 2 |
| JOB NO.: 4ctet02 | CLIENT: Tetra Tech | CONTRACTOR: DRAGIN Drilling, Inc. |
| Drilling Method: HSA 4.25 | | Driller/Helpers: Wilkey/Fernandes |
| Drilling Equipment: CME 850S | | Borehole Dia. (in.): 9" OD 4.25 ID |
| Installed By: Mike Wilkey | Start Date: 1-29-04 | Total Depth (ft bgs): 24' |
| Logged By: Mike Wilkey | Completion Date: 1-29-04 | Water Level (ft bgs): |

| DEPTH (ft) | SAMPLE TYPE/ INTERVAL | BLOW COUNTS | LITHOLOGIC DESCRIPTION | RECOVERY (%) | GRAPH OF WELL | DRILLING NOTES/ WATER LEVEL |
|---|---|---|---|---|---|---|
| 22 | | 2-2-5-7 | Dark olive brown fine to medium sand, trace silt, trace fine gravel SP | 20" | flush-mount or stick-up | |
| 24 | | | | | | |
| 26 | | | BOB 24' | | | |
| 28 | | | | | | |
| 30 | | | | | | |
| 32 | | | | | | |
| 34 | | | | | | |
| 36 | | | | | | |




SAMPLE TYPE

C = Cuttings SS = Split Spoon SA = Screened Auger R = Rock Core U = Undisturbed O = Other:

LITHOLOGY DESCRIPTION

Trace = 0 - 10 % Little = 10 - 20 % Some = 20 - 35 % And = 35 - 50 %

# DRAGIN DRILLING BORING/WELL LOG

BORING/WELL NO. SLB 313

| | | |
|---|---|---|
| PROJECT: Stratford Landfill | LOCATION: Stratford CT | PAGE 1 of 2 |
| JOB NO.: 4ctet02 | CLIENT: Tetra Tech | CONTRACTOR: DRAGIN Drilling, Inc. |
| Drilling Method: HSA 4.25 | | Driller/Helpers: Willkey/Fernandes |
| Drilling Equipment: CME 850S | | Borehole Dia. (in.): 9" OD 4.25 ID |
| Installed By: Mike Wilkey | Start Date: 2-2-04 | Total Depth (ft bgs): 24' |
| Logged By: Mike Wilkey | Completion Date: 2-2-04 | Water Level (ft bgs): |

| DEPTH (ft) | SAMPLE TYPE/ INTERVAL | BLOW COUNTS | LITHOLOGIC DESCRIPTION | RECOVERY (%) | GRAPH OF WELL | DRILLING NOTES/ WATER LEVEL |
|---|---|---|---|---|---|---|
| 0 | | 4-6-2-4 | Brown medium to fine sand, little silt trace gravel, leaf detritus bottom 6" | 22" | flush-mount or stick-up | |
| 2 | | 2-20-14-6 | Same as above with trace asphault | 20" | | |
| 4 | | 4-4-4-3 | Dark gray medium sand, trace fine gravel, trace asphault | 4" | | |
| 6 | | 8-8-13-7 | Same as above with some leaves | 10" | | |
| 8 | | 5-5-3-10 | Same as above | 8" | | |
| 10 | | 2-12-16-12 | Fine to coarse gravel, little sand medium grained silt, trace leaves | 11" | | |
| 12 | | 5-3-3-7 | Dark gray fine to medium sand, some silt SM | 4" | | |
| 14 | | 10-21-13 10 | 7" Gray to black silty sand SM<br>7" Gray medium sand, trace fine gravel, trace silt SP | 14" | | |
| 16 | | 5-8-9-8 | Dark gray sand, some silt SM | 4" | | |
| 18 | | 7-8-5-10 | Dark gray sand, trace gravel, some silt, trace fine to coarse gravel SP | 14" | | |
| 20 | | 6-6-7-4 | Fine sand, some silt, trace gravel SM | 10" | ____ in. dia. Sch. ____ | |

SAMPLE TYPE

C = Cuttings SS = Split Spoon SA = Screened Auger R = Rock Core U = Undisturbed O = Other:

LITHOLOGY DESCRIPTION

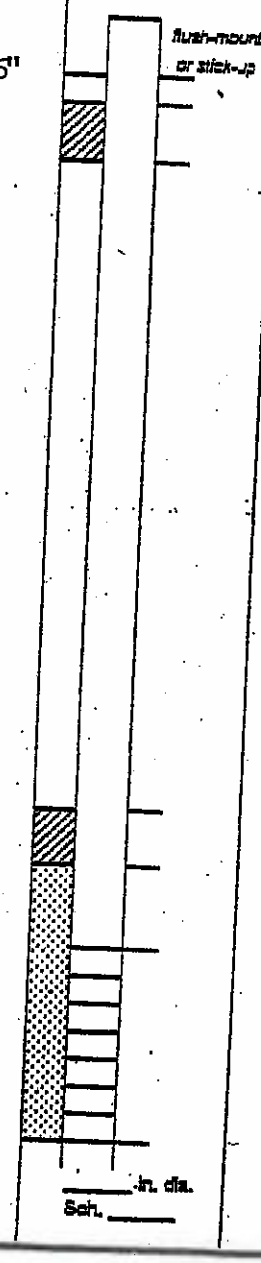
Trace = 0 - 10 % Little = 10 - 20 % Some = 20 - 35 % And = 35 - 50 %

# DRAGIN DRILLING BORING/WELL LOG

BORING/WELL NO. SLB 313

| | | |
|---|---|---|
| PROJECT: Stratford Landfill | LOCATION: Stratford CT | PAGE 2 of 2 |
| JOB NO.: 4ctet02 | CLIENT: Tetra Tech | CONTRACTOR: DRAGIN Drilling, Inc. |
| Drilling Method: HSA 4.25 | | Driller/Helpers: Wilkey/Fernandes |
| Drilling Equipment: CME 8505 | | Borehole Dia. (in.): 9" OD 4.25 ID |
| Installed By: Mike Wilkey | Start Date: 2-2-04 | Total Depth (ft bgs): 24' |
| Logged By: Mike Wilkey | Completion Date: 2-2-04 | Water Level (ft bgs): |

| DEPTH (ft) | SAMPLE TYPE/ INTERVAL | BLOW COUNTS | LITHOLOGIC DESCRIPTION | RECOVERY (%) | GRAPH OF WELL | DRILLING NOTES/ WATER LEVEL |
|---|---|---|---|---|---|---|
| 22 | | 7-11-9-13 | Dark gray silt, little fine sand trace organics ML | 6" | flush-mount or stick-up | |
| 24 | | | BOB 24' | | | |




SAMPLE TYPE

C = Cuttings SS = Split Spoon SA = Screened Auger R = Rock Core U = Undisturbed O = Other:

LITHOLOGY DESCRIPTION

Trace = 0 - 10 % Little = 10 - 20 % Some = 20 - 35 % And = 35 - 50 %

# DRAGIN DRILLING BORING/WELL LOG

BORING/WELL NO. SB 314

| | | |
|---|---|---|
| PROJECT: Stratford Tank Farm | LOCATION: Stratford CT | PAGE 1 of 2 |
| JOB NO.: 4ctet02 | CLIENT: Tetra Tech | CONTRACTOR: DRAGIN Drilling, Inc. |
| Drilling Method: HSA 4.25 | | Driller/Helpers: Wilkey/Fernandes |
| Drilling Equipment: CME 8505 | | Borehole Dia. (in.): 9" OD 4.25 ID |
| Installed By: Mike Wilkey | Start Date: 2-2-04 | Total Depth (ft bgs): 28' |
| Logged By: Mike Wilkey | Completion Date: 2-2-04 | Water Level (ft bgs): |

| DEPTH (ft) | SAMPLE TYPE/ INTERVAL | BLOW COUNTS | LITHOLOGIC DESCRIPTION | RECOVERY (%) | GRAPH OF WELL | DRILLING NOTES/ WATER LEVEL |
|---|---|---|---|---|---|---|
| 0 | | 6-50/4" | Brown fine to medium sand, little silt, trace fine to coarse gravel | 8" | flush-mount or stick-up | |
| 2 | | 5-7-18-30 | Same as above with little gravel | 14" | | |
| 4 | | 14-14-8-16 | Same as above with trace cobbles | 8" | | |
| 6 | | 24-14-8-4 | Same as above with no cobbles | 4" | | |
| 8 | | 6-4-3-7 | Same as above | 4" | | |
| 10 | | 4-40-23-13 | Dark brown fine to medium sand, little silt, trace fine gravel | 14" | | |
| 12 | | 4-8-9-14 | Dark brown silt, some fine sand little leaves | 12" | | |
| 14 | | 5-5-7-11 | Dark gray fine silty sand, some wood | 12" | | |
| 16 | | 3-3-2-1 | Dark gray silty sand, with black fine gravel | 7" | | |
| 18 | | 4-30-13-14 | Same as above with some organics | 9" | | |
| 20 | | 5-1-3-5 | Same as above with some garbage | 11" | ____ in. dia. Sch. ____ | |

SAMPLE TYPE

C = Cuttings SS = Split Spoon SA = Screened Auger R = Rock Core U = Undisturbed O = Other:

LITHOLOGY DESCRIPTION

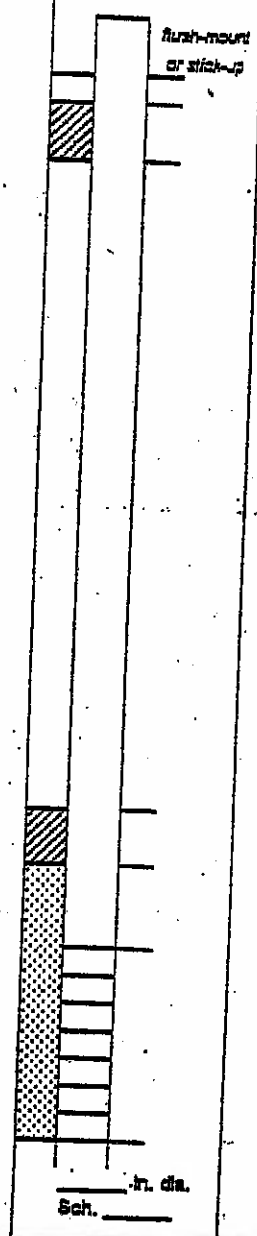
Trace = 0 - 10 % Little = 10 - 20 % Some = 20 - 35 % And = 35 - 50 %

# DRAGIN DRILLING BORING/WELL LOG

BORING/WELL NO. SLB 314

| | | |
|---|---|---|
| PROJECT: Stratford Landfill | LOCATION: Stratford CT | PAGE 2 of 2 |
| JOB NO.: 4ctet02 | CLIENT: Tetra Tech | CONTRACTOR: DRAGIN Drilling, Inc. |
| Drilling Method: HSA 4.25 | | Driller/Helpers: Wilkey/Fernandes |
| Drilling Equipment: CME 8525 | | Borehole Dia. (in.): 9" OD 4.25 ID |
| Installed By: Mike Wilkey | Start Date: 2-2-04 | Total Depth (ft bgs): 28' |
| Logged By: Mike Wilkey | Completion Date: 2-2-04 | Water Level (ft bgs): |

| DEPTH (ft) | SAMPLE TYPE/ INTERVAL | BLOW COUNTS | LITHOLOGIC DESCRIPTION | RECOVERY (%) | GRAPH OF WELL | DRILLING NOTES/ WATER LEVEL |
|---|---|---|---|---|---|---|
| | ↑ Fill | | | | | |
| 22 | | 4-6-4-3 | Dark brown fine silty sand, some organics SM | | | |
| 24 | | 1-2-2-3 | Dark brown fine sand, some silts trace organics SM | | | |
| 26 | | 5-7-7-9 | Olive brown medium sand, trace organics and wood SP | | | |
| 28 | | | | | | |
| 30 | | | BOB 28' | | | |




SAMPLE TYPE

C = Cuttings SS = Split Spoon SA = Screened Auger R = Rock Core U = Undisturbed O = Other:

LITHOLOGY DESCRIPTION

Trace = 0 - 10 % Little = 10 - 20 % Some = 20 - 35 % And = 35 - 50 %