73 William Franks Drive
West Springfield, MA, 01089
Telephone 413.781.0070
Fax 737.207.8280
www.atcgroupservices.com

January 14, 2020
Project Number MA8499G

Ms. Shelley Puleo
U.S. Environmental Protection Agency Office of Ecosystem Processing
RGP Applications Coordinator (OEP06-1) 5 Post Office Square, Suite 100
Boston, MA 02109-3912

RE: Notice of Intent for Remediation General Permit Commercial Property
Cumberland Farms Property #MA8499
227 Ashland Street
North Adams, MA 01247

Dear Ms. Puleo:

ATC Group Services LLC (ATC) is pleased to provide supporting documentation for the Notice of Intent (NOI) for the Remediation General Permit (RGP) on behalf of Cumberland Farms, Inc. (CFI), for the above-referenced property (the "Site"). This NOI is being submitted in order to obtain approval for the discharge of treated groundwater at the Site. The discharge and dewatering is necessary to allow for the installation of underground storage tanks (USTs) and other subsurface structures at the Site. A Site Locus is provided as Figure 1 and a set of Site Plans are provided as Figures CFG 2.0 and CFG 5.0. A copy of the NOI form is provided as Attachment I.

Background

The Site is located at 227 Ashland Street, Berkshire County, Massachusetts and is comprised of 1.15 acres of land. At the present, the property at 227 Ashland Street is being cleared for development. The property was owned by the City of North Adams and was formerly utilized as the city Department of Public Works (DPW) Garage until Cumberland Farms, Inc. (CFI) acquired the property in June 2019 for purposes of erecting a new service station. The DPW has moved to a new location in North Adams. All four buildings have been recently demolished at the Site and subsurface clearance is in progress. All four buildings were used for storage of materials associated with DPW supplies. Historical uses of the property include a garage repair area with a lift area in the former southwestern building.

As part of the station building project, CFI will be installing USTs and associated piping, and erecting a new convenience store with dispenser islands and an associated canopy. The recent site layout and proposed site layout are shown on Figures CFG02.0 and CFG 05.0, respectively.

On November 12, 2019, ATC collected a groundwater sample from well MW-1 (prior to subsequent demolition) for the purposes of preparing this discharge permit. Analytical results indicated concentrations of chlorinated solvents 1,1,1-trichloroethane and 1,1-dichloroethane and metals nickel and copper below Reportable Concentrations (RCs). Due to the Site connection to the North Adams municipal storm-water catch basin system, this federal RGP is necessary and ATC is submitting this Notice of Intent to discharge in order to facilitate dewatering during springtime construction activities. As part of the RGP process, ATC also sampled the outfall for the storm-water system, a pipe located at the south branch of the Hoosic River. During the construction activities, scheduled for the Spring of 2020, the groundwater will be filtered through carbon filters prior to discharge.

Pretreatment

The excavation will be dewatered by installing temporary sump pumps. Pumps will be used so that collected groundwater from the excavation area will be pumped into a frac tank to allow sediment to settle out. The water will be pumped from the frac tank and sent through sediment filters and a carbon filtration system. and then discharged to a catch basin located at the center of the site. The catch basins on the property are connected to the North Adams municipal storm water drainage system, which is connected to an outfall located along a channeled wall located at the southern branch of the Hoosic River. ATC has secured a written approval from the North Adams Department of Public Works granting access to the municipal system during the dewatering events. Please refer to Figure 1 for a depiction of the site and outfall locations, Figure CFG 2.0 for the Site Plan depicting the catch basins and Figure 3 for a Discharge Flow Schematic.

Average flow rate of discharge of treated groundwater from the Site to the storm drainage line is expected to be approximately 50 gallons per minute (gpm).

Influent Sample Analysis

Groundwater samples were collected from the raw water/influent location (MW-1) on November 12, 2019 and were submitted to Spectrum/Eurofins Analytical, Inc. of Agawam, Massachusetts for laboratory analysis for the following parameters:

- Total Petroleum Hydrocarbons (TPH) by EPA method 1664,
- Volatile Organic Compounds (VOCs) by EPA Method 8260/624/524.2,
- Semi-Volatile Organic Compounds (SVOCs) by EPA method 625,
- Polychlorinated Biphenyls (PCBs) by EPA method 8082,
- Total metals by EPA Method 200.7,
- Cyanide,
- Ammonia,
- Flashpoint,
- pH,
- Salinity,
- Hardness, and,
- Total Suspended Solids (TSS).

Also, a sample of the receiving water (Hoosic River) was collected on this date for laboratory analysis of pH, hardness, ammonia, and metals. A summary of the sampling data is provided in Attachment I on the NOI form, Section D4, and a copy of the laboratory report is included in Attachment VI. Based on the location of the outfall and receiving waters and the proposed design discharge flow, the seven day-ten year low flow (7Q10) of the receiving waters was determined to be 6.59 MGD and the calculated dilution factor was determined to be 92.53. On January 8, 2020, the Massachusetts Department of Environmental Protection (MassDEP) reviewed and approved the 7Q10 low flow determination and the calculated dilution factor (Attachment III).

Groundwater analytical results were compared to the Appendix III effluent limitations (www.epa.gov/region1/npdes/rgp.html). These results indicate that the following parameters were detected in the samples: chloride, ammonia, copper, nickel, 1,1-dichloroethane, 1,1,1-trichloroethane, yet none were detected at concentrations that exceed the applicable EPA Appendix III effluent limitations. Total suspended solids and metals are expected to be reduced by pretreatment with settling and filtration.

Evaluation of Threatened or Endangered Species or Critical Habitat Located within Receiving Waters

The receiving waters have been categorized as a Category 5 body of water, indicating some impairment due to channelization and upstream discharge influence. A copy of the 2014 Integrated Waters List for the area is included as Attachment II. According to Massachusetts Geographic Information Systems (MassGIS) online maps for the Natural Heritage Endangered Species Program (NHESP) (2008), no Priority Habitat of Rare Species or Estimated Habitats of Rare Wildlife are located within the work area. No NHESP Estimated Habitats of Rare Wildlife in Wetland Areas or Protected Open Spaces are located within 500 feet of the Site. Based on this information, the potential discharge will not have an adverse affect on the NHESP Estimated Habitats of Rare Wildlife. A copy of the MassGIS Resource Priority and NHESP Maps of the Site area is included in Attachment IV.

Review of National Register of Historic Places

Listings of Historic Places within the Town of North Adams were obtained from the Massachusetts Cultural Resources Information System (MACRIS) online database at http://mhc- macris.net/towns.aspx (accessed January 14, 2020). A copy of the MACRIS report is provided as Attachment V. The database indicated that there are no historic places located in close proximity to the Site and proposed discharge area. This project does not involve the demolition or rehabilitation of historic properties.

The proposed redevelopment project is scheduled to start on March 1, 2020 and last for approximately 3-6 months. The duration of the dewatering aspect of the project is only expected to be for 1-3 weeks, at various intervals during the initial sub-surface development occurring within the first 2-3 months of the project. Should you have any questions or concerns regarding the contents of this letter or the NOI for the RGP, please do not hesitate to contact the undersigned at (413) 781-0070.

Sincerely,
ATC Group Services

Alexandra N. Riddle

Alexandra Riddle
Senior Project Manager

cc: Chris Johnson, Cumberland Farms, Inc., 165 Flanders Road, Westborough, MA ; Cathy Vakalopoulus, MassDEP, Surface Water Discharge Permit Program, One Winter Street, 5th Floor, Boston, MA 02108; Town of North Adams Department of Public Works-10 Main Street, North Adams, MA 01247

Attachments

Figure 1: Site Locus with Outfall Location
Figure CFG 2.0: Site Plan with Catch Basin Locations
Figure 3: Discharge Flow Schematic
Figure CFG 5.0: Site Plan with Proposed Building
Attachment I: NOI for the RGP
Attachment II: 2014 Integrated Waters List, Hoosic River-South Branch, North Adams
Attachment III: MassDEP Approval of 7Q10 Low Flow Determination & Dilution Factor Calculation
Attachment IV: MassGIS Resource Priority and NHESP Map
Attachment V: MACRIS Database Search Results
Attachment VI: Laboratory Analytical Report

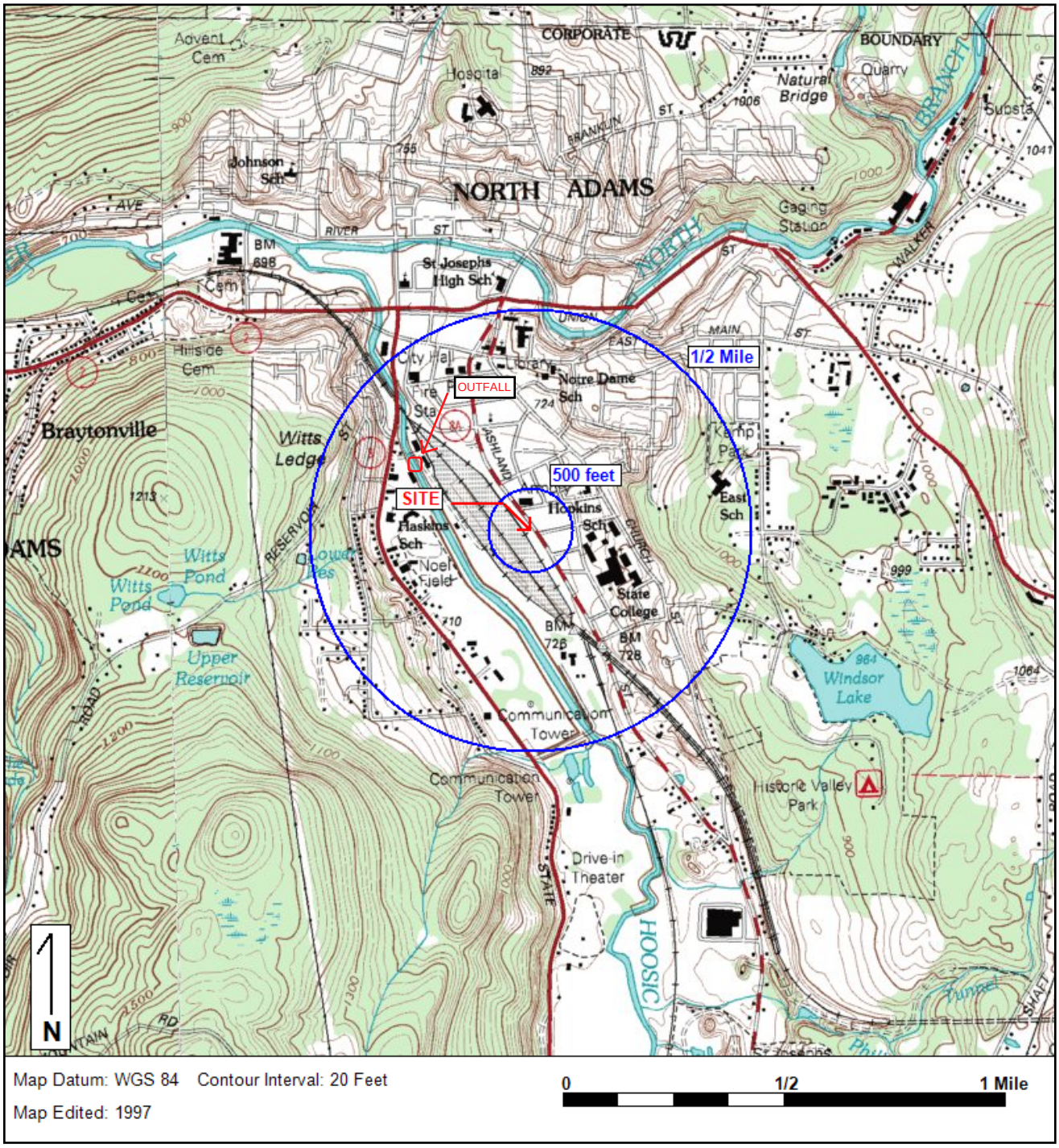
ENVIRONMENTAL • GEOTECHNICAL
BUILDING SCIENCES • MATERIALS TESTING

ATC Group Services LLC
73 William Franks Drive
West Springfield, MA 01089
413-781-0070 413-781-3734

www.atcgroupservices.com

227 Ashland Street
227 Ashland Street
North Adams, MA 02147

Figure 1: SITE LOCUS



Base Map: U.S. Geological Survey; Quadrangle Location: North Adams, MA

Lat/Lon: 42 41' 33.6" NORTH, 73 6' 28.2" WEST - UTM Coordinates: 18 654996.5 EAST / 4728423.9 NORTH

Generated By: Rick Starodoj

SURVEYOR'S METES AND BOUNDS DESCRIPTION
LOT 4 AND LOT 5, MAP 171
CITY OF NORTH ADAMS
BERKSHIRE COUNTY
COMMONWEALTH OF MASSACHUSETTS

BEGINNING AT BROKEN CONCRETE BOUND ON THE WESTERLY LINE OF ASHLAND STREET (AKA ROUTE 8A-PUBLIC) AT THE DIVISION LINE OF LOT 4, MAP 171 (N/F LANDS OF CITY OF NORTH ADAMS) AND LOT 3, MAP 171 (N/F LANDS OF MASS COLLEGE OF LIBERAL ARTS), RUNNING THENCE, ALONG SAID DIVIDING LINE OF LOT 3, MAP 171 AND LOT 4, MAP 171 THE FOLLOWING COURSE:

1. SOUTH 56 DEGREES - 07 MINUTES - 19 SECONDS - WEST, A DISTANCE OF 144.80 FEET TO A POINT ON THE EASTERLY BOUNDARY OF LANDS N/F LANDS OF PITTSFIELD & NORTH ADAMS RAILROAD, RUNNING THENCE;
2. ALONG THE DIVISION LINE OF LANDS N/F LANDS OF PITTSFIELD & NORTH ADAMS RAILROAD AND LOT 4 AND LOT 5, MAP 171; NORTH 33 DEGREES - 52 MINUTES - 43 SECONDS - WEST, A DISTANCE OF 277.90 FEET TO A CORNER IN COMMON WITH LOT 6, MAP 171 (N/F LANDS OF CHARLES E. SWABEY), THENCE;
3. ALONG THE DIVISION LINE OF LOT 5, MAP 171 AND SAID LOT 6, MAP 171, NORTH 56 DEGREES - 07 MINUTES - 17 SECONDS - EAST, A DISTANCE OF 146.30 FEET TO A REBAR FOUND ON THE WESTERLY LINE OF ASHLAND STREET, THENCE;
4. ALONG THE WESTERLY LINE OF ASHLAND STREET, SOUTH 33 DEGREES - 52 MINUTES - 43 SECONDS - EAST, A DISTANCE OF 343.90 FEET TO THE POINT AND PLACE OF BEGINNING.

CONTAINING 49,934 SQUARE FEET OR 1.146 ACRES

THIS PROPERTY MAY BE SUBJECT TO RESTRICTIONS, COVENANTS AND/OR EASEMENTS EITHER WRITTEN OR IMPLIED.

THIS DESCRIPTION IS PREPARED WITH REFERENCE TO THE A MAP ENTITLED "ALTA/NSPS LAND TITLE SURVEY, 227 ASHLAND STREET, MAP 171, LOTS 4 AND 5, CITY OF NORTH ADAMS, BERKSHIRE COUNTY, COMMONWEALTH OF MASSACHUSETTS," PREPARED BY CONTROL POINTS ASSOCIATES, INC. DATED NOVEMBER 15, 2017, LAST REVISED FEBRUARY 9, 2018

EXHIBIT A

PARCEL I:

A PARCEL OF LAND AND BUILDINGS THEREON SUPPOSED TO BE OWNED BY HARVEY L. AND ELAINE N. RUBIN, SITUATED ON THE WEST SIDE OF ASHLAND STREET, BOUNDED AND DESCRIBED AS FOLLOWS - VIZ

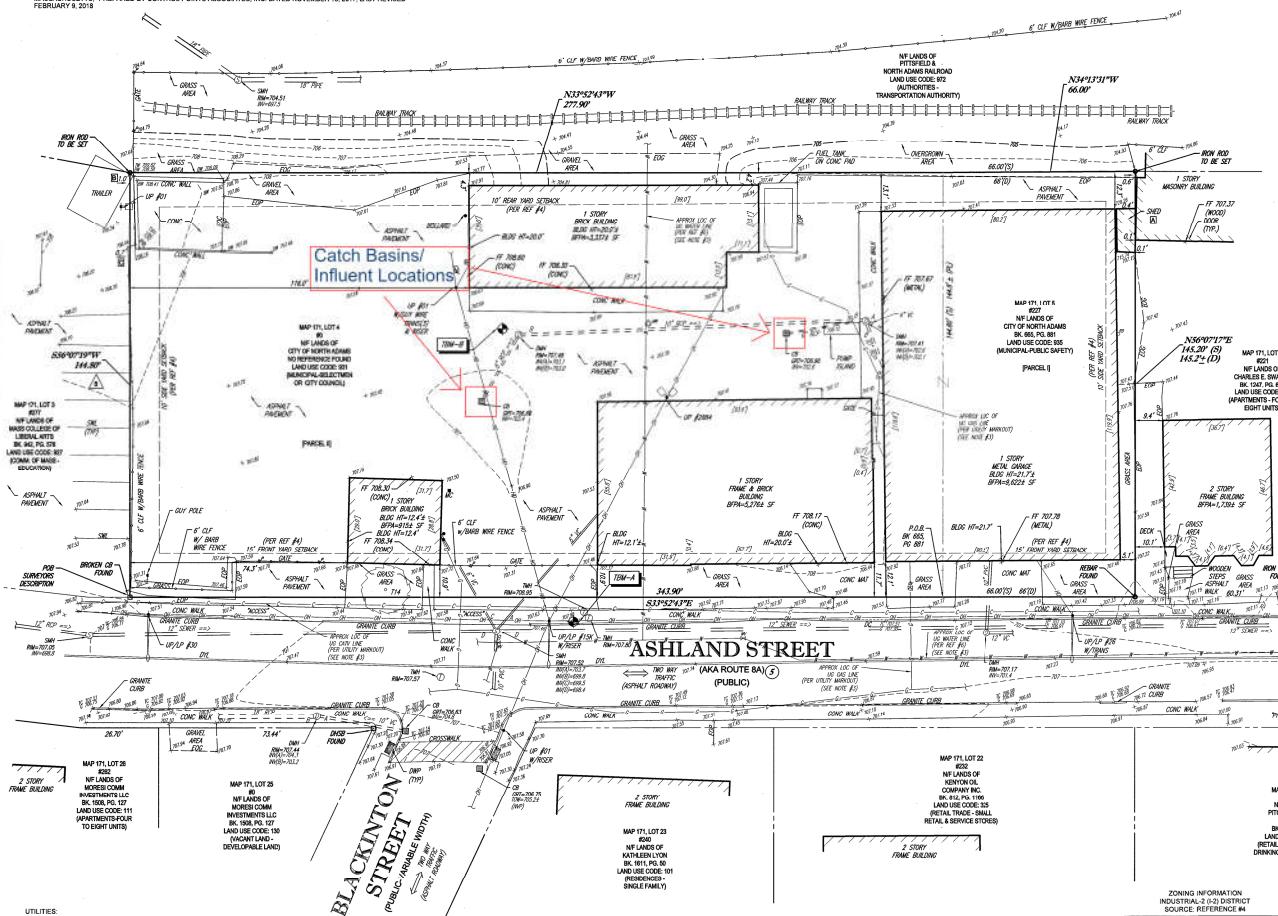
BEGINNING AT A CONCRETE MONUMENT ON THE WEST SIDE OF ASHLAND STREET, SAID MONUMENT BEING THE NORTHWEST CORNER OF LAND OF THE CITY OF NORTH ADAMS.

THENCE, WESTERLY ABOUT ONE HUNDRED FORTY-FOUR AND EIGHT-TENTHS (144.8) FEET ALONG THE NORTH LINE OF THE CITY OF NORTH ADAMS TO A CONCRETE MONUMENT ON THE EAST SIDE OF THE PENN CENTRAL CO.; THENCE, NORTHERLY SIXTY-SIX (66) FEET ALONG THE EAST LINE OF THE PENN CENTRAL CO. TO THE NORTHWEST COMER OF SAID RUBIN;
THENCE, EASTERLY ABOUT ONE HUNDRED FORTY-FIVE AND TWO-TENTHS (145.2) FEET ALONG THE NORTH LINE OF SAID RUBEN TO AN IRON PIPE ON THE WEST LINE OF ASHLAND STREET;
THENCE, SOUTHERLY SIXTY-SIX (66) FEET ALONG THE WEST LINE OF ASHLAND STREET TO A CONCRETE MONUMENT AND THE PLACE OF BEGINNING.

THE ABOVE PARCEL CONTAINS ABOUT 9,570 SQUARE FEET OF LAND AND IS THAT LAND AND BUILDINGS THEREON CONVEYED TO HARVEY L. AND ELAINE N. RUBIN AND RECORDED IN BOOK 651, PAGE 997, DATED FEBRUARY 2, 1973 AND RECORDED FEBRUARY 2, 1973 IN THE NORTHERN BERKSHIRE REGISTRY OF DEEDS IN ADAMS, MASSACHUSETTS.

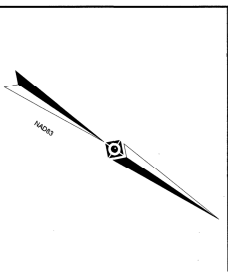
PARCEL II:

PROPERTY DESCRIBED IN PLAN NO 86, RECORDED JANUARY 1, 1900 WITH THE BERKSHIRE NORTH REGISTRY OF DEEDS INDICATES THE CITY OF NORTH ADAMS OWNS THE PREMISES. A SOURCE DEED OR TAKING COULD NOT BE FOUND AT THE REGISTRY OF DEEDS. WE REQUIRE A CONFIRMATORY TAKING FROM THE CITY OF NORTH ADAMS DESCRIBING THE PROPERTY, ALONG WITH A RECORDED PLAN OF LAND ATTACHED TO SAME. THERE WAS ALSO A DEED IN BOOK 167, PAGE 185 THAT CONVEYS PROPERTY TO THE CITY OF NORTH ADAMS, WE ARE UNCLEAR IF SUBJECT PROPERTY TO BE INSURED IS INCLUDED IN SAME.



LEGEND

124 / 125	EXISTING CONTOUR
× 123.45	EXISTING SPOT ELEVATION
× TC 123.45	EXISTING TOP OF CURB ELEVATION
× G 123.95	EXISTING GUTTER ELEVATION
× TW 123.45	EXISTING TOP OF WALL ELEVATION
× BW 122.95	EXISTING BOTTOM OF WALL ELEVATION
× FF 123.45	EXISTING FINISHED FLOOR ELEVATION
	HYDRANT
WV	WATER VALVE
GV	GAS VALVE
EM	ELECTRIC METER
OH	OVERHEAD WIRES
G	APPROX. LOC. UNDERGROUND GAS LINE
C	APPROX. LOC. UNDERGROUND CABLE LINE
UP	UTILITY POLE
UPLP	UTILITY POLE/LIGHT POLE
GW	GUY WIRE
MW	MONITORING WELL
•	BOLLARD
CLF	CHAIN LINK FENCE
DC	DEPRESSED CURB
EDC	EDGE OF CONCRETE
EDP	EDGE OF PAVEMENT
LSA	LANDSCAPED AREA
MC	METAL COVER
(TYP)	TYPICAL
DMH	DRAINAGE/STORM MANHOLE
SMH	SANITARY/SEWER MANHOLE
TMH	TELEPHONE MANHOLE
CB	CATCH BASIN OR INLET
	TREE & TRUNK SIZE
DWP	DETECTABLE WARNING PAD
SWL	SOLID WHITE LINE
DYL	DOUBLE YELLOW LINE
HT	HEIGHT
BLDG	BUILDING
BFPA	BUILDING FOOTPRINT AREA
NVP	NO VISIBLE PIPE
TOW	TOP OF WATER
UNK TER	UNKNOWN TERMINUS
PVC	POLYVINYL CHLORIDE PIPE
INV	INVERT ELEVATION
GRT	GRATE ELEVATION
(S)	SURVEY DIMENSION
(D)	DEED DIMENSION
(PL)	PLAN DIMENSION
	FEE HOOK
(#)	TITLE REPORT EXCEPTION



LOCUS MAP
©2013 ESRI WORLD STREET MAPS

NOTES:

1. PROPERTY KNOWN AS LOTS 4 & 5 AS SHOWN ON THE CITY OF NORTH ADAMS, BERKSHIRE COUNTY, COMMONWEALTH OF MASSACHUSETTS, MAP NO. 171.
2. (6) AREA = LOT 4 = 9,583 SQUARE FEET OR 0.220 ACRES
   LOT 5 = 40,351 SQUARE FEET OR 0.926 ACRES
   TOTAL = 49,934 SQUARE FEET OR 1.146 ACRES
3. LOCATION OF UNDERGROUND UTILITIES ARE APPROXIMATE. LOCATIONS AND SIZES ARE BASED ON UTILITY MARK-OUTS, ABOVE GROUND STRUCTURES THAT WERE VISIBLE & ACCESSIBLE IN THE FIELD, AND THE MAPS AS LISTED IN THE REFERENCES AVAILABLE AT THE TIME OF THE SURVEY. AVAILABLE AS-BUILT PLANS AND UTILITY MARKOUT DOES NOT ENSURE MAPPING OF ALL UNDERGROUND UTILITIES AND STRUCTURES. BEFORE ANY EXCAVATION IS TO BEGIN, ALL UNDERGROUND UTILITIES SHOULD BE VERIFIED AS TO THEIR LOCATION, SIZE AND TYPE BY THE PROPER UTILITY COMPANIES. CONTROL POINT ASSOCIATES, INC. DOES NOT GUARANTEE THE UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA EITHER IN SERVICE OR ABANDONED.
4. THIS PLAN IS BASED ON INFORMATION PROVIDED BY A SURVEY PREPARED IN THE FIELD BY CONTROL POINT ASSOCIATES, INC. AND OTHER REFERENCE MATERIAL AS LISTED HEREON.
5. THIS SURVEY WAS PREPARED WITH REFERENCE TO A TITLE REPORT PREPARED BY FIRST AMERICAN TITLE INSURANCE COMPANY, HAVING A COMMITMENT NO. NCS-876195-HOU1, WITH AN EFFECTIVE DATE OF NOVEMBER 9, 2017, WHERE THE FOLLOWING SURVEY RELATED EXCEPTIONS APPEAR IN SCHEDULE B - SECTION 2:

   GENERAL EXCEPTIONS 1 THROUGH 4 ARE NOT SURVEY RELATED AND HAVE NOT BEEN COMMENTED ON AS A PART OF THIS SURVEY.

   (5) TITLE TO AND RIGHTS OF THE PUBLIC AND OTHERS ENTITLED THERETO IN AND TO THOSE PORTIONS OF THE INSURED PREMISES LYING WITHIN THE BOUNDS OF ADJACENT STREETS, ROADS, AND WAYS - ASHLAND STREET SHOWN.

   (6) THE EXACT ACREAGE OR SQUARE FOOTAGE BEING OTHER THAN AS STATED IN SCHEDULE A OR THE PLAN(S) THEREIN REFERRED TO - SEE NOTE #2.

   AS TO PARCEL II

   (7) EASEMENT IN FAVOR OF NEW ENGLAND POWER COMPANY DATED MAY 9, 1937 AND RECORDED WITH THE BERKSHIRE NORTHERN DISTRICT REGISTRY OF DEEDS IN BOOK 398, PAGE 650. EIGHTY FEET WIDE FROM LAND OF COOK TO LAND OF HALL (SEE PLAN IN BOOK 240B, PAGE 25) - NOT LOCUS.

   (8) EASEMENT IN FAVOR OF BERKSHIRE STREET RAILWAY COMPANY DATED DECEMBER 31, 1910 AND RECORDED WITH THE BERKSHIRE NORTHERN DISTRICT REGISTRY OF DEEDS IN BOOK 299, PAGE 207, OVER LANDS OF THE CITY OF NORTH ADAMS IN ACCORDANCE WITH A PETITION AND PLAN ON FILE WITH CITY OF NORTH ADAMS CLERK. CITY HAS NOT BEEN ABLE TO PRODUCE THE PETITION AND PLANS REFERENCED HEREIN - UNABLE TO DETERMINE - DOCUMENT VAGUE IN DESCRIPTION.
6. BY GRAPHIC PLOTTING ONLY PROPERTY IS LOCATED IN FLOOD HAZARD ZONE C (AREAS AREAS OF MINIMAL FLOODING) PER REF. #2
7. ELEVATIONS REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88), BASED ON GPS OBSERVATIONS UTILIZING THE KEYSTONE VRS NETWORK (KEYNETGPS).

   TEMPORARY BENCH MARKS SET:

   TBM-A X-CUT IN BOLT OVER MAIN OUTLET OF FIRE HYDRANT. ELEVATION=710.83

   TBM-B MAG SPIKE SET IN ASPHALT PAVEMENT. ELEVATION = 707.64

   PRIOR TO CONSTRUCTION IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THAT THE BENCHMARKS ILLUSTRATED ON THIS SKETCH HAVE NOT BEEN DISTURBED AND THEIR ELEVATIONS HAVE BEEN CONFIRMED. ANY CONFLICTS MUST BE REPORTED PRIOR TO CONSTRUCTION.
8. THE OFFSETS SHOWN ARE NOT TO BE USED FOR THE CONSTRUCTION OF ANY STRUCTURE, FENCE, PERMANENT ADDITION, ETC.
9. THE EXISTENCE OF UNDERGROUND STORAGE TANKS, IF ANY, WAS NOT KNOWN AT THE TIME OF THE FIELD SURVEY.
10. THIS SURVEY DOES NOT SHOW THE EXISTENCE OF WETLANDS, IF ANY.
11. THE PROPERTY DESCRIBED IN THE TITLE COMMITMENT AS EXHIBIT "A" IS THE SAME AS SHOWN ON THE SURVEY.
12. SURVEYORS DESCRIPTION PREPARED AT THE REQUEST OF THE CLIENT.

REFERENCES:

1. THE TAX ASSESSOR'S MAP OF NORTH ADAMS, BERKSHIRE COUNTY, SHEET #171.
2. MAP ENTITLED "NATIONAL FLOOD INSURANCE PROGRAM, FIRM, FLOOD INSURANCE RATE MAP, CITY OF NORTH ADAMS, MASSACHUSETTS,BERKSHIRE COUNTY, ONLY PANEL PRINTED." COMMUNITY-PANEL NUMBER 250034 0005 B, MAP REVISED: JULY 2, 1981.
3. MAP ENTITLED "CITY OF NORTH ADAMS, MASS., ASHLAND STREET, EMINENT DOMAIN LAND TAKING FOR EXPANSION OF DEPT. OF PUBLIC WORKS." PREPARED BY GENESIO A. BREDA, DATED JULY 8, 1979. RECORDED WITH THE BERKSHIRE NORTH COUNTY REGISTRY OF DEEDS IN PLAN BOOK 240D, PAGE 178.
4. MAP ENTITLED "CONCEPT PLAN, 227 ASHLAND STREET, NORTH ADAMS, MA, PREPARED FOR CUMBERLAND FARMS," PREPARED BY BOHLER ENGINEERING, LLC., DATED OCTOBER 18, 2016.
5. 1897 PLAN FOR FRANK R. BLACKINTON, RECORDED WITH THE BERKSHIRE NORTH COUNTY REGISTRY OF DEEDS AS PLAN 000R94-35.
6. WATER MAP PROVIDED BY THE CITY OF NORTH ADAMS COMMISSIONER OF PUBLIC SERVICES.

No.	DESCRIPTION OF REVISION	FIELD CREW	DRAWN	APPROVED	DATE
3	ADDITIONAL ROAD TOPOGRAPHY & UTILITIES	S.B.H.	A.J.D.	G.L.H	09-28-18
2	UPDATED PER CLIENT COMMENTS	N/A	R.D.N.	G.L.H	02-09-18
1	UPDATED PER NEW TITLE COMMITMENT	N/A	R.J.K	G.L.H	12-15-17

UTILITIES:

THE FOLLOWING COMPANIES WERE NOTIFIED BY MASSACHUSETTS ONE-CALL SYSTEM (1-888-344-7233) AND REQUESTED TO MARK OUT UNDERGROUND FACILITIES AFFECTING AND SERVICING THIS SITE. THE UNDERGROUND UTILITY INFORMATION SHOWN HEREON IS BASED UPON THE UTILITY COMPANIES RESPONSE TO THIS REQUEST.
SERIAL NUMBER(S): 20173413432

UTILITY COMPANY	PHONE NUMBER
TIME WARNER CABLE - NORTH ADAMS	800-892-4357
MASSACHUSETTS TECHNOLOGY PARK CORP	508-870-0312
NATIONAL GRID ELECTRIC - MASS ELEC	800-322-3223
MCI	800-436-4444
VERIZON	800-922-0204
BERKSHIRE GAS	413-442-1511
ON TARGET LOCATING	508-429-1022

THE COMMONWEALTH OF MASSACHUSETTS REQUIRES NOTIFICATION BY EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN THE COMMONWEALTH.

GRAPHIC SCALE
20 0 10 20 40 80
(IN FEET)
1 inch = 20 ft.

TABLE OF APPARENT ENCROACHMENTS

A SHED - UNKNOWN OWNER/USE. OVER PROP. LINE-0.4'

B CORNER OF MOBILE TRAILER OVER SOUTHWESTERLY PROP. CORNER-1.0'

C 6' CHAIN LINK FENCE OVER PROP. LINE-0.7'

NOTE: THESE ARE THE POSSIBLE ENCROACHMENTS OBSERVED DURING THE FIELD SURVEY. THERE MAY BE OTHERS NOT RECOGNIZED BY THE SURVEYOR.

ZONING INFORMATION
INDUSTRIAL-2 (I-2) DISTRICT
SOURCE: REFERENCE #4

ITEMS	REQUIRED
MIN LOT AREA	10,000 SQ FT
MIN FRONTAGE	70'
MIN FRONT YARD	15'
MIN SIDE YARD	10'
MIN REAR YARD	10'
MAX BUILDING HEIGHT	NA

NOTE: ZONING CRITERIA IDENTIFIED HEREON ARE BASED UPON PRELIMINARY RESEARCH AND PRESENTED FOR REFERENCE ONLY. SAME MUST BE CONFIRMED WITH LOCAL ZONING OFFICIAL AND LEGAL COUNSEL TO CONFIRM VALIDITY.

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT WAS BASED WERE MADE IN ACCORDANCE WITH THE "2016 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS", JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS 1, 2, 3, 4, 5, 6(a), 7(a), 7(b)(1), 7(c), 8, 9, 11, 13 & 14 OF TABLE A THEREOF. THE FIELDWORK WAS COMPLETED ON NOVEMBER 3, 2017.

NOT A VALID ORIGINAL DOCUMENT UNLESS EMBOSSED WITH RAISED IMPRESSION OR STAMPED WITH A BLUE INK SEAL

GERRY L. HOLDRIGHT, PLS
MASSACHUSETTS PROFESSIONAL LAND SURVEYOR #49211

6-28-18
DATE

ALTA/NSPS LAND TITLE SURVEY

0 AND 227 ASHLAND STREET
MAP 171, LOTS 4 AND 5
CITY OF NORTH ADAMS
BERKSHIRE COUNTY
COMMONWEALTH OF MASSACHUSETTS

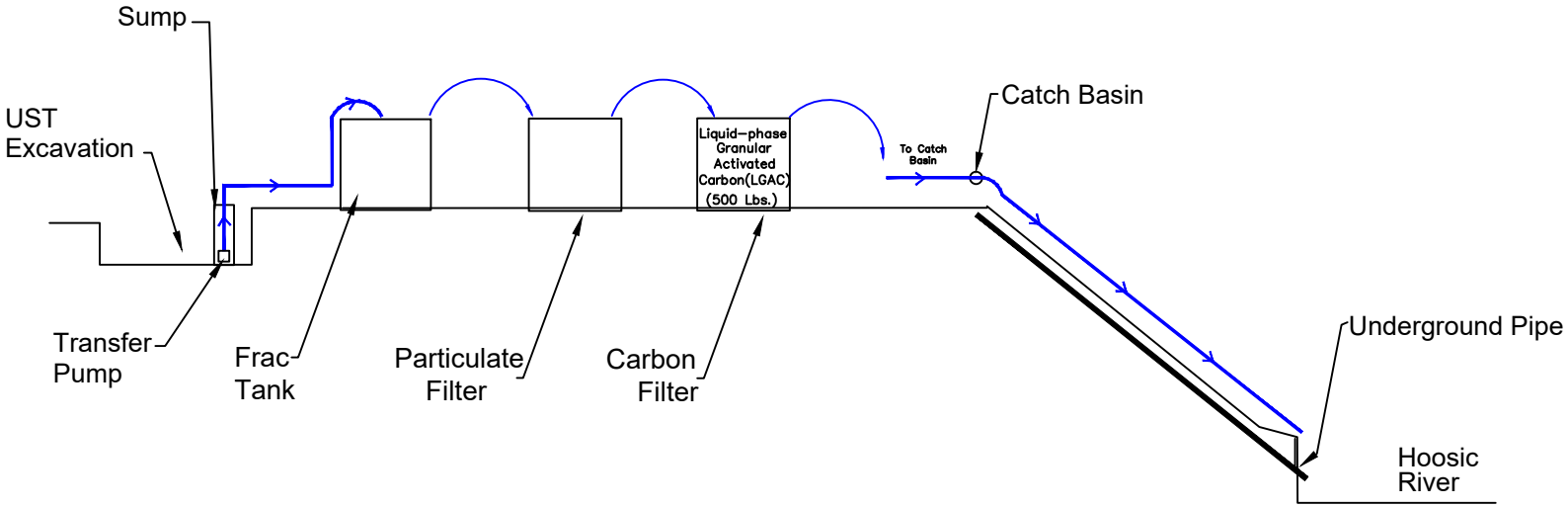
Cumberland FARMS

CONTROL POINT ASSOCIATES, INC.
352 TURNPIKE ROAD
SOUTHBOROUGH, MA 01772
508.948.3000 - 508.948.3003 FAX

ALBANY, NY 5182175510
BOSTON, MA 8574033311
CHALFONT, PA 2157128800
MANHATTAN, NY 6467830411
MT LAUREL, NJ 6098723099
WARREN, NJ 9086688099

FIELD DATE	FIELD BOOK NO.	FIELD BOOK PG.	FIELD CREW	DRAWN
06-21-18 11-03-17	18-7 MA 17-13	101 09-70	S.B.H.	R.J.K.

REVIEWED:	APPROVED:	DATE	SCALE	FILE NO.	DWG. NO.
R.D.N.	G.L.H.	06-25-2018	1"=20'	03-170145	CFG 2.0



LEGEND

Discharge Flow Direction

ENVIRONMENTAL • GEOTECHNICAL
BUILDING SCIENCES • MATERIALS TESTING

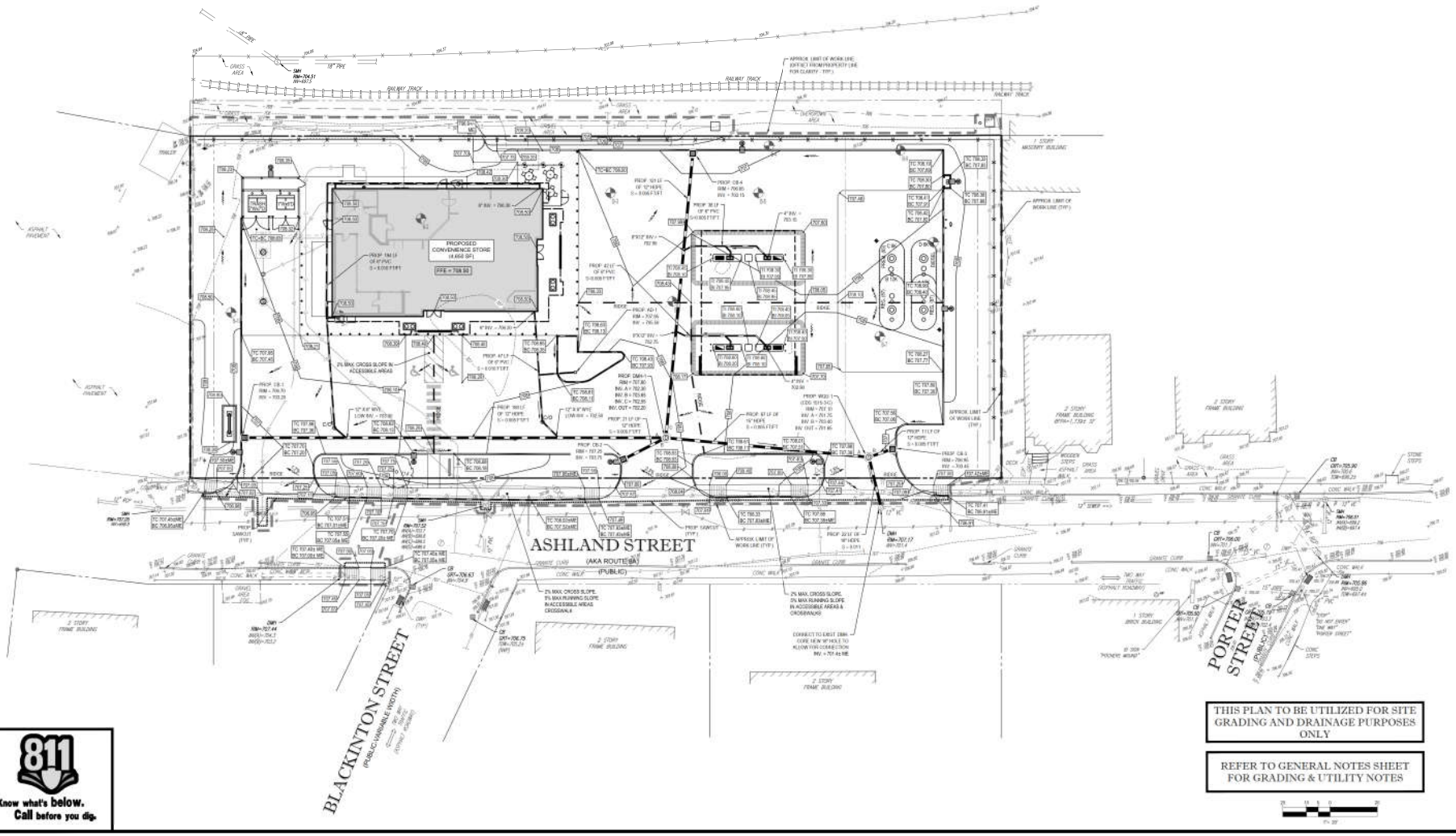
REVISIONS		
No.	Date	Description

PROJECT:
Cumberland Farms, Inc. – MA8499
227 Ashland Street
North Adams, Massachusetts

TITLE:
System Flow Diagram

COMPUTER CADFILE : MA8499–flow–Schematic.dwg

DRAWN BY:	DESIGNED BY:	CHECKED BY:	APPROVED BY:
RAS	SS	SS	SS
SCALE:	**DATE:**	**JOB NO.:**	**FIGURE NO.:**
NTS	1/1/20	MA8499	3



THIS PLAN TO BE UTILIZED FOR SITE GRADING AND DRAINAGE PURPOSES ONLY

REFER TO GENERAL NOTES SHEET FOR GRADING & UTILITY NOTES

811 Know what's below. Call before you dig.

BOHLER ENGINEERING
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SOUTH FLORIDA

REVISIONS

REV	DATE	COMMENT	BY
1	07/11/18	75% REDLINE COMMENTS	DJO
2	08/01/18	75% REDLINE COMMENTS	DJO
3	05/21/19	90% PLAN SET	DJO
4	07/26/19	100% PLAN SET	DJO

APPROVED FOR CONSTRUCTION

PROJECT No.:	W161628
DRAWN BY:	DJO
CHECKED BY:	JAB/LWD
DATE:	05/22/19
SCALE:	AS NOTED
CAD I.D.	W161628SS4

PROJECT:
SITE DEVELOPMENT PLANS
FOR
Cumberland FARMS
LOCATION OF SITE
MAP# 17I, LOT5# 4 & 5
245 ASHLAND STREET
CITY OF NORTH ADAMS
MASSACHUSETTS, 01247
BERKSHIRE COUNTY

BOHLER ENGINEERING
352 TURNPIKE ROAD
SOUTHBOROUGH, MA 01772
Phone: (508) 480-9900
Fax: (508) 480-9080
www.BohlerEngineering.com

J. A. Bernardino

SHEET TITLE
GRADING & DRAINAGE PLAN

SHEET NUMBER
CFG05.0

REV 4 - 07/26/2019

ATTACHMENT I

II. Suggested Format for the Remediation General Permit Notice of Intent (NOI)

A. General site information:

<table>
<tr><td rowspan="2">1. Name of site: CFI North Adams</td><td colspan="3">Site address: Former DPW
Street: 227 Ashland Street</td></tr>
<tr><td>City: North Adams</td><td>State: MA</td><td>Zip: 01247</td></tr>
<tr><td rowspan="4">2. Site owner
Cumberland Farms, Inc. (CFI)

Owner is (check one): ☐ Federal ☐ State/Tribal ■ Private
☐ Other; if so, specify:</td><td colspan="3">Contact Person: Chris Johnson</td></tr>
<tr><td colspan="2">Telephone: (508) 270-4495</td><td>Email: CJohnson@cumberlandfarms.com</td></tr>
<tr><td colspan="3">Mailing address: Cumberland Farms
Street: 165 Flanders Road</td></tr>
<tr><td>City: Westborough</td><td>State: MA</td><td>Zip: 01581</td></tr>
<tr><td rowspan="4">3. Site operator, if different than owner</td><td colspan="3">Contact Person: Mr. Chris Johnson (See info above)</td></tr>
<tr><td colspan="2">Telephone:</td><td>Email:</td></tr>
<tr><td colspan="3">Mailing address:
Street:</td></tr>
<tr><td>City:</td><td>State:</td><td>Zip:</td></tr>
<tr><td>4. NPDES permit number assigned by EPA:

NPDES permit is (check all that apply: ☐ RGP ☐ DGP ☐ CGP
☐ MSGP ☐ Individual NPDES permit ☐ Other; if so, specify:</td><td colspan="3">5. Other regulatory program(s) that apply to the site (check all that apply):
☐ MA Chapter 21e; list RTN(s):
☐ NH Groundwater Management Permit or Groundwater Release Detection Permit:
☐ CERCLA
☐ UIC Program
☐ POTW Pretreatment
☐ CWA Section 404</td></tr>
</table>

B. Receiving water information:

1. Name of receiving water(s): Hoosic River South Branch (Below Dam)	Waterbody identification of receiving water(s): ID: MA11-04, Water Code: 1100500	Classification of receiving water(s): Class B River, Category 5

Receiving water is (check any that apply): ☐ Outstanding Resource Water ☐ Ocean Sanctuary ☐ territorial sea ☐ Wild and Scenic River

2. Has the operator attached a location map in accordance with the instructions in B, above? (check one): ■Yes ☐ No

Are sensitive receptors present near the site? (check one): ☐ Yes ■ No
If yes, specify:

3. Indicate if the receiving water(s) is listed in the State's Integrated List of Waters (i.e., CWA Section 303(d)). Include which designated uses are impaired, and any pollutants indicated. Also, indicate if a final TMDL is available for any of the indicated pollutants. Yes, listed in 2014, Fish/wildlife use is non-supporting to Aquatic Life due to Stream alteration. Primary Recreation contact is impaired due to point source Fecal Coliform from Municipal Sewer System discharge and crop production. TMDL is considered 0.

4. Indicate the seven day-ten-year low flow (7Q10) of the receiving water determined in accordance with the instructions in Appendix V for sites located in Massachusetts and Appendix VI for sites located in New Hampshire.	(10.2 cfs) 6.59 mgd
5. Indicate the requested dilution factor for the calculation of water quality-based effluent limitations (WQBELs) determined in accordance with the instructions in Appendix V for sites in Massachusetts and Appendix VI for sites in New Hampshire.	92.53

6. Has the operator received confirmation from the appropriate State for the 7Q10and dilution factor indicated? (check one): ■ Yes ☐ No
If yes, indicate date confirmation received: January 8, 2020

7. Has the operator attached a summary of receiving water sampling results as required in Part 4.2 of the RGP in accordance with the instruction in Appendix VIII? (check one): ■ Yes ☐ No

C. Source water information:

1. Source water(s) is (check any that apply):

■ Contaminated groundwater	☐ Contaminated surface water	☐ The receiving water	☐ Potable water; if so, indicate municipality or origin:
Has the operator attached a summary of influent sampling results as required in Part 4.2 of the RGP in accordance with the instruction in Appendix VIII? (check one): ■ Yes ☐ No	Has the operator attached a summary of influent sampling results as required in Part 4.2 of the RGP in accordance with the instruction in Appendix VIII? (check one): ☐ Yes ☐ No	☐ A surface water other than the receiving water; if so, indicate waterbody:	☐ Other; if so, specify:

2. Source water contaminants: Chloride, Ammonia, Copper, Nickel, 1,1 Dichloroethane, 1,1,1 Trichloroethane	
a. For source waters that are contaminated groundwater or contaminated surface water, indicate are any contaminants present that are not included in the RGP? (check one): ☐ Yes ■ No If yes, indicate the contaminant(s) and the maximum concentration present in accordance with the instructions in Appendix VIII.	b. For a source water that is a surface water other than the receiving water, potable water or other, indicate any contaminants present at the maximum concentration in accordance with the instructions in Appendix VIII? (check one): ☐ Yes ☐ No
3. Has the source water been previously chlorinated or otherwise contains residual chlorine? (check one): ☐ Yes ■ No	

D. Discharge information

1.The discharge(s) is a(n) (check any that apply): ☐ Existing discharge ■ New discharge ☐ New source	
Outfall(s): Hoosic River Channeled area (south of Dam), located on the east side of the river,approximately 1,500 feet south of the Christopher Columbus Drive Bridge	Outfall location(s): (Latitude, Longitude) Latitude: 42° 41'39.65"N Longitude: 73°6'45.55"W
Discharges enter the receiving water(s) via (check any that apply): ☐ Direct discharge to the receiving water ■ Indirect discharge, if so, specify: GW during excavation activities will be filtered and then discharged via municipal storm drainage system that runs into underground water lines and outflows into the Hoosic River ☐ A private storm sewer system ■ A municipal storm sewer system If the discharge enters the receiving water via a private or municipal storm sewer system: Yes Has notification been provided to the owner of this system? (check one): ■ Yes ☐ No Has the operator has received permission from the owner to use such system for discharges? (check one): ■ Yes ☐No, if so, explain, with an estimated timeframe for obtaining permission: ATC has received written permission via email correspondence from the North Adams DPW, Mr. Paul Markland. Has the operator attached a summary of any additional requirements the owner of this system has specified? (check one): ☐ Yes ■ No	
Provide the expected start and end dates of discharge(s) (month/year): -March 1, 2020 to June 31, 2020 (this is a time window wherein discharge anticipated to last approx. one-two weeks total during tank installation event) Indicate if the discharge is expected to occur over a duration of: ■ less than 12 months ☐ 12 months or more ☐ is an emergency discharge	
Has the operator attached a site plan in accordance with the instructions in D, above? (check one): ■ Yes ☐ No	

<table>
<tr><td>2. Activity Category: (check all that apply)</td><td colspan="2">3. Contamination Type Category: (check all that apply)</td></tr>
<tr><td rowspan="5">☐ I – Petroleum-Related Site Remediation
☐ II – Non-Petroleum-Related Site Remediation
■ III – Contaminated Site Dewatering
☐ IV – Dewatering of Pipelines and Tanks
☐ V – Aquifer Pump Testing
☐ VI – Well Development/Rehabilitation
☐ VII – Collection Structure Dewatering/Remediation
☐ VIII – Dredge-Related Dewatering</td><td colspan="2">a. If Activity Category I or II: (check all that apply)

☐ A. Inorganics
☐ B. Non-Halogenated Volatile Organic Compounds
☐ C. Halogenated Volatile Organic Compounds
☐ D. Non-Halogenated Semi-Volatile Organic Compounds
☐ E. Halogenated Semi-Volatile Organic Compounds
☐ F. Fuels Parameters</td></tr>
<tr><td colspan="2">b. If Activity Category III, IV, V, VI, VII or VIII: (check either G or H)</td></tr>
<tr><td>■ G. Sites with Known Contamination</td><td>☐ H. Sites with Unknown Contamination</td></tr>
<tr><td>c. If Category III-G, IV-G, V-G, VI-G, VII-G or VIII-G: (check all that apply)

■ A. Inorganics
☐ B. Non-Halogenated Volatile Organic Compounds
■ C. Halogenated Volatile Organic Compounds
☐ D. Non-Halogenated Semi-Volatile Organic Compounds
☐ E. Halogenated Semi-Volatile Organic Compounds
☐ F. Fuels Parameters</td><td>d. If Category III-H, IV-H, V-H, VI-H, VII-H or VIII-H Contamination Type Categories A through F apply</td></tr>
</table>

4. Influent and Effluent Characteristics

Parameter	Known or believed absent	Known or believed present	# of samples	Test method (#)	Detection limit (µg/l)	Influent		Effluent Limitations	
						Daily maximum (µg/l)	Daily average (µg/l)	TBEL	WQBEL
A. Inorganics									
Ammonia		✔	1	350.1	50	200	200	Report mg/L	---
Chloride		✔	1	300.0	75,000	840,000	840,000	Report µg/l	---
Total Residual Chlorine	✔		1	SM4500	20			0.2 mg/L	
Total Suspended Solids	✔		1	2540	1,400			30 mg/L	---
Antimony	✔		1	200.8	1			206 µg/L	
Arsenic	✔		1	200.8	1			104 µg/L	
Cadmium	✔		1	200.8	0.50			10.2 µg/L	
Chromium III	✔		1	200.8	1.5			323 µg/L	
Chromium VI	✔		1	SM3500	10			323 µg/L	
Copper		✔	1	200.8	1	4.2	4.2	242 µg/L	
Iron	✔		1	200.7	50			5,000 µg/L	
Lead	✔		1	200.8	1			160 µg/L	
Mercury	✔		1	245.1	0.2			0.739 µg/L	
Nickel		✔	1	200.8	1	6.5	6.5	1,450 µg/L	
Selenium	✔		1	200.8	1			235.8 µg/L	
Silver	✔		1	200.8	0.50			35.1 µg/L	
Zinc	✔		1	200.8	10			420 µg/L	
Cyanide	✔		1	9010C	10			178 mg/L	
B. Non-Halogenated VOCs									
Total BTEX	✔		1	624.1	10			100 µg/L	---
Benzene	✔		1	624.1	5			5.0 µg/L	---
1,4 Dioxane	✔		1	624.1	200			200 µg/L	---
Acetone	✔		1	624.1	2.5			7.97 mg/L	---
Phenol	✔		1	625.1	4.7			1,080 µg/L	

Parameter	Known or believed absent	Known or believed present	# of samples	Test method (#)	Detection limit (µg/l)	Influent		Effluent Limitations	
						Daily maximum (µg/l)	Daily average (µg/l)	TBEL	WQBEL
C. Halogenated VOCs									
Carbon Tetrachloride	✔		1	624	5.0			4.4 µg/L	
1,2 Dichlorobenzene	✔		1	624	5.0			600 µg/L	---
1,3 Dichlorobenzene	✔		1	624	5.0			320 µg/L	---
1,4 Dichlorobenzene	✔		1	624	5.0			5.0 µg/L	---
Total dichlorobenzene	✔		1	624	5.0			763 µg/L in NH	---
1,1 Dichloroethane		✔	1	624	5.0	32		70 µg/L	---
1,2 Dichloroethane	✔		1	624	5.0			5.0 µg/L	---
1,1 Dichloroethylene	✔		1	624	5.0			3.2 µg/L	---
Ethylene Dibromide	✔		1	624	5.0			0.05 µg/L	---
Methylene Chloride	✔		1	624	5.0			4.6 µg/L	---
1,1,1 Trichloroethane		✔	1	624	5.0	68		200 µg/L	---
1,1,2 Trichloroethane	✔		1	624	5.0			5.0 µg/L	---
Trichloroethylene	✔		1	624	5.0			5.0 µg/L	---
Tetrachloroethylene	✔		1	624	5.0			5.0 µg/L	
cis-1,2 Dichloroethylene	✔		1	624	5.0			70 µg/L	---
Vinyl Chloride	✔		1	624	5.0			2.0 µg/L	---
D. Non-Halogenated SVOCs									
Total Phthalates	✔		1	625	4.7			190 µg/L	
Diethylhexyl phthalate	✔		1	625	4.7			101 µg/L	
Total Group I PAHs	✔		1	625	0.05			1.0 µg/L	---
Benzo(a)anthracene	✔		1	625	0.04			As Total PAHs	
Benzo(a)pyrene	✔		1	625	0.05				
Benzo(b)fluoranthene	✔		1	625	0.05				
Benzo(k)fluoranthene	✔		1	625	0.05				
Chrysene	✔		1	625	0.05				
Dibenzo(a,h)anthracene	✔		1	625	0.02				
Indeno(1,2,3-cd)pyrene	✔		1	625	0.05				

Parameter	Known or believed absent	Known or believed present	# of samples	Test method (#)	Detection limit (µg/l)	Influent		Effluent Limitations	
						Daily maximum (µg/l)	Daily average (µg/l)	TBEL	WQBEL
Total Group II PAHs	✔		1	625	4.7			100 µg/L	---
Naphthalene	✔		1	625	4.7			20 µg/L	---
E. Halogenated SVOCs									
Total PCBs	✔		1	608	0.060			0.000064 µg/L	---
Pentachlorophenol	✔		1	625	0.05			1.0 µg/L	---
F. Fuels Parameters									
Total Petroleum Hydrocarbons	✔		1	1664B	5.0			5.0 mg/L	---
Ethanol	✔		1	524.2	200			Report mg/L	---
Methyl-tert-Butyl Ether	✔		1	524.2	5.0			70 µg/L	
tert-Butyl Alcohol	✔		1	524.2	50			120 µg/L in MA 40 µg/L in NH	---
tert-Amyl Methyl Ether	✔		1	524.2	1			90 µg/L in MA 140 µg/L in NH	---
Other (i.e., pH, temperature, hardness, salinity, LC_{50}, additional pollutants present); if so, specify:									
pH	✔		1	1293	NA	7.0	7.0		
Hardness	✔		1	SM2340	0.50	120	120		

E. Treatment system information

1. Indicate the type(s) of treatment that will be applied to effluent prior to discharge: (check all that apply)

☐ Adsorption/Absorption ☐ Advanced Oxidation Processes ☐ Air Stripping ■ Granulated Activated Carbon ("GAC")/Liquid Phase Carbon Adsorption
☐ Ion Exchange ☐ Precipitation/Coagulation/Flocculation ▣ Separation/Filtration ☐ Other; if so, specify:

2. Provide a written description of all treatment system(s) or processes that will be applied to the effluent prior to discharge.
See cover letter supplied with this notice of intent.

Identify each major treatment component (check any that apply):
▣ Fractionation tanks☐ Equalization tank ☐ Oil/water separator ☐ Mechanical filter ☐ Media filter
☐ Chemical feed tank ☐ Air stripping unit ▣ Bag filter ☐ Other; if so, specify:

Indicate if either of the following will occur (check any that apply):
☐ Chlorination ☐ De-chlorination

3. Provide the **design flow capacity** in gallons per minute (gpm) of the most limiting component. Indicate the most limiting component: Pump, limited to 50 gpm Is use of a flow meter feasible? (check one): ▣ Yes ☐ No, if so, provide justification:	50 GPM
Provide the proposed maximum effluent flow in gpm. 50 gpm	50 GPM
Provide the average effluent flow in gpm.	50 GPM
If Activity Category IV applies, indicate the estimated total volume of water that will be discharged:	

4. Has the operator attached a schematic of flow in accordance with the instructions in E, above? (check one): ▣ Yes ☐ No

F. Chemical and additive information

1. Indicate the type(s) of chemical or additive that will be applied to effluent prior to discharge or that may otherwise be present in the discharge(s): (check all that apply)

☐ Algaecides/biocides ☐ Antifoams ☐ Coagulants ☐ Corrosion/scale inhibitors ☐ Disinfectants ☐ Flocculants ☐ Neutralizing agents ☐ Oxidants ☐ Oxygen ☐ scavengers ☐ pH conditioners ☐ Bioremedial agents, including microbes ☐ Chlorine or chemicals containing chlorine ☐ Other; if so, specify:

2. Provide the following information for each chemical/additive, using attachments, if necessary:
See cover letter supplied with the notice of intent for this information.
a. Product name, chemical formula, and manufacturer of the chemical/additive;
b. Purpose or use of the chemical/additive or remedial agent;
c. Material Safety Data Sheet (MSDS) and Chemical Abstracts Service (CAS) Registry number for each chemical/additive;
d. The frequency (hourly, daily, etc.), duration (hours, days), quantity (maximum and average), and method of application for the chemical/additive;
e. Any material compatibility risks for storage and/or use including the control measures used to minimize such risks; and
f. If available, the vendor's reported aquatic toxicity (NOAEL and/or LC50 in percent for aquatic organism(s)).

3. Has the operator attached an explanation which demonstrates that the addition of such chemicals/additives may be authorized under this general permit in accordance with the instructions in F, above? (check one): ☐ Yes ■ No; if no, has the operator attached data that demonstrates each of the 126 priority pollutants in CWA Section 307(a) and 40 CFR Part 423.15(j)(1) are non-detect in discharges with the addition of the proposed chemical/additive?
(check one): ☐ Yes ☐ No

G. Endangered Species Act eligibility determination

1. Indicate under which criterion the discharge(s) is eligible for coverage under this general permit:

■ **FWS Criterion A**: No endangered or threatened species or critical habitat are in proximity to the discharges or related activities or come in contact with the "action area".

☐ **FWS Criterion B**: Formal or informal consultation with the FWS under section 7 of the ESA resulted in either a no jeopardy opinion (formal consultation) or a written concurrence by FWS on a finding that the discharges and related activities are "not likely to adversely affect" listed species or critical habitat (informal consultation). Has the operator completed consultation with FWS? (check one): ☐ Yes ☐ No; if no, is consultation underway? (check one): ☐ Yes ☐ No

☐ **FWS Criterion C**: Using the best scientific and commercial data available, the effect of the discharges and related activities on listed species and critical habitat have been evaluated. Based on those evaluations, a determination is made by EPA, or by the operator and affirmed by EPA, that the discharges and related activities will have "no effect" on any federally threatened or endangered listed species or designated critical habitat under the jurisdiction of the FWS. This determination was made by: (check one) ☐ the operator ☐ EPA ☐ Other; if so, specify:

☐ **NMFS Criterion**: A determination made by EPA is affirmed by the operator that the discharges and related activities will have "no effect" or are "not likely to adversely affect" any federally threatened or endangered listed species or critical habitat under the jurisdiction of NMFS and will not result in any take of listed species. Has the operator previously completed consultation with NMFS? (check one): ☐ Yes ☐ No

2. Has the operator attached supporting documentation of ESA eligibility in accordance with the instructions in Appendix I, and G, above? (check one): ■ Yes ☐ No

Does the supporting documentation include any written concurrence or finding provided by the Services? (check one): ☐ Yes ■ No; if yes, attach.

H. National Historic Preservation Act eligibility determination

1. Indicate under which criterion the discharge(s) is eligible for coverage under this general permit:

■ **Criterion A**: No historic properties are present. The discharges and discharge-related activities (e.g., BMPs) do not have the potential to cause effects on historic properties.

☐ **Criterion B**: Historic properties are present. Discharges and discharge related activities do not have the potential to cause effects on historic properties.

☐ **Criterion C**: Historic properties are present. The discharges and discharge-related activities have the potential to have an effect or will have an adverse effect on historic properties.

2. Has the operator attached supporting documentation of NHPA eligibility in accordance with the instructions in H, above? (check one): ■ Yes ☐ No

Does the supporting documentation include any written agreement with the State Historic Preservation Officer (SHPO), Tribal Historic Preservation Officer (TPHO), or other tribal representative that outlines measures the operator will carry out to mitigate or prevent any adverse effects on historic properties? (check one): ☐ Yes ■ No

I. Supplemental information

Describe any supplemental information being provided with the NOI. Include attachments if required or otherwise necessary.

Has the operator attached data, including any laboratory case narrative and chain of custody used to support the application? (check one): ■ Yes ☐ No

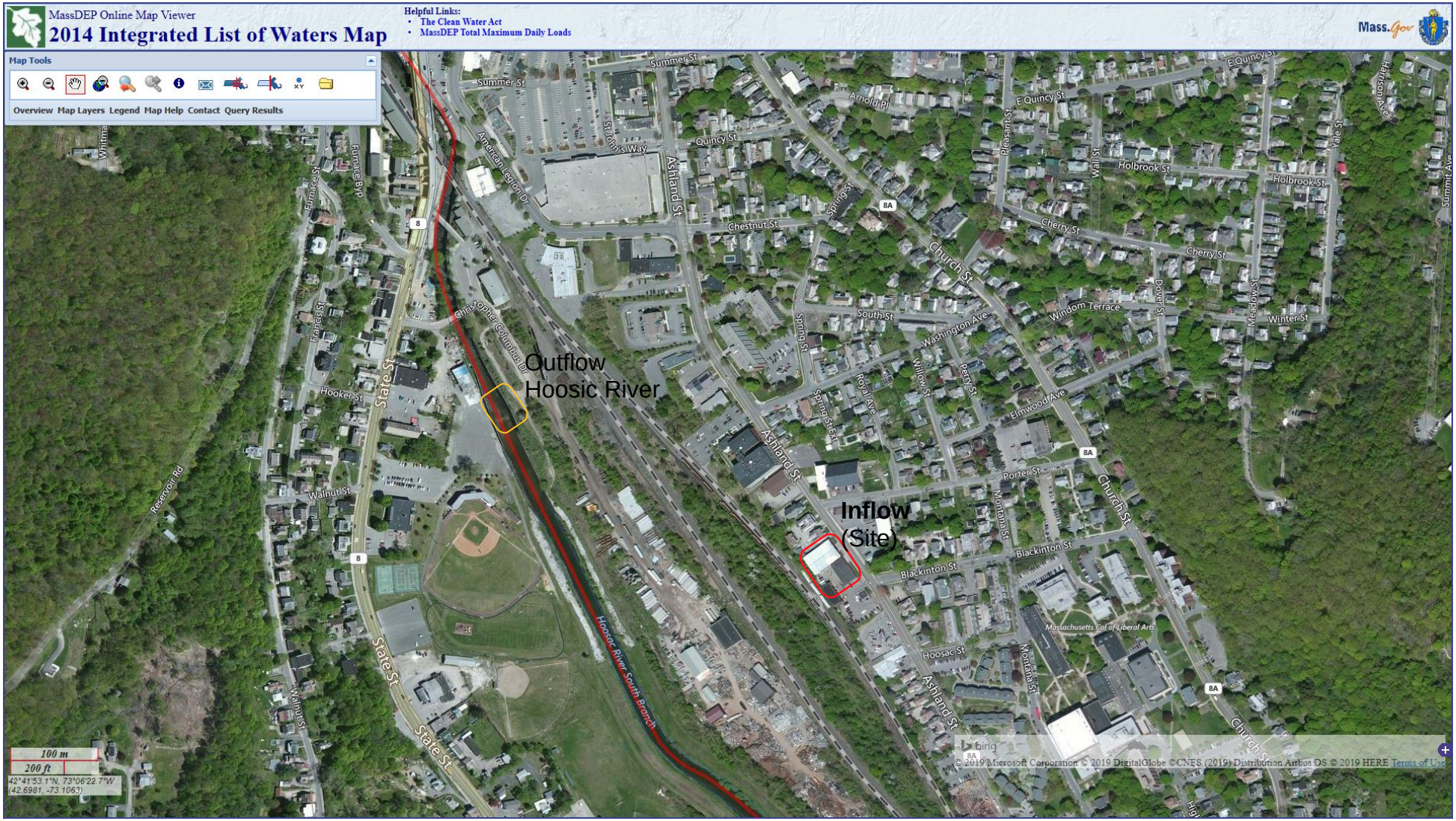
Has the operator attached the certification requirement for the Best Management Practices Plan (BMPP)? (check one): ■ Yes ☐ No

J. Certification requirement

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I have no personal knowledge that the information submitted is other than true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

BMPP certification statement:	I certify that a BMPP meeting the requirements of this general permit will be developed and implemented upon initiation of discharge.
Notification provided to the appropriate State, including a copy of this NOI, if required.	Check one: Yes ■ No ☐
Notification provided to the municipality in which the discharge is located, including a copy of this NOI, if requested.	Check one: Yes ■ No ☐
Notification provided to the owner of a private or municipal storm sewer system, if such system is used for site discharges, including a copy of this NOI, if requested.	Check one: Yes ■ No ☐ NA ☐
Permission obtained from the owner of a private or municipal storm sewer system, if such system is used for site discharges. If yes, attach additional conditions. If no, attach explanation and timeframe for obtaining permission.	Check one: Yes ■ No ☐ NA ☐
Notification provided to the owner/operator of the area associated with activities covered by an additional discharge permit(s). Additional discharge permit is (check one): ☐ RGP ☐ DGP ☐ CGP ☐ MSGP ☐ Individual NPDES permit ☐ Other; if so, specify:	Check one: Yes ☐ No ☐ NA ■
Signature:	Date: 2/25/2020
Print Name and Title:	Christopher Johnson, Cumberland Farms Senior Project Manager

ATTACHMENT II



2014 Assessment Unit ID: MA11-04
Water Name: Hoosic River
Watershed: Hudson: Hoosic Water Type: RIVER Water Code: 1100500
Size: 5.387 MILES Class: B Qualifier: WWF Category: 5 TMDL Count: 0
Description: Adams WWTP discharge, Adams to confluence with North Branch Hoosic River, North Adams.

ATTACHMENT III

Katerina Korolov

From: Vakalopoulos, Catherine (DEP) <catherine.vakalopoulos@state.ma.us>
Sent: Wednesday, January 8, 2020 10:50 AM
To: Katerina Korolov
Subject: [EXTERNAL] RE: Seeking information for an RGP permit in Mass

Hi Katerina,
The dilution factor of 92.53 that you calculated for this proposed discharge from 227 Ashland St. in North Adams to the Hoosic River is correct. As you have previously noted, this segment is identified as MA11-04, is classified as Class B, and there are no final TMDLs for this segment. To see the causes of impairments, go to: https://www.mass.gov/doc/final-massachusetts-year-2016-integrated-list-of-waters/download and search for "MA11-04". In addition, this segment is not an Outstanding Resources Water (ORW). Discharges to ORWs are prohibited under the RGP unless MassDEP conducts an antidegradation review to determine if the discharge can be allowed.

If this is not a *current* MCP site then in addition to submitting the NOI to EPA and MassDEP, you will also have to apply to MassDEP by following the instructions at: https://www.mass.gov/how-to/wm-15-npdes-general-permit-notice-of-intent. There is also a $500 fee unless the applicant is fee-exempt (e.g. a municipality).

Please let me know if you have any further questions.

Cathy

Cathy Vakalopoulos, Massachusetts Department of Environmental Protection
1 Winter St., Boston, MA 02108, 617-348-4026

From: Katerina Korolov [mailto:Katerina.Korolov@atcgs.com]
Sent: Monday, January 06, 2020 9:49 AM
To: Vakalopoulos, Catherine (DEP)
Subject: RE: Seeking information for an RGP permit in Mass

Cathy,

For the Site at 227 Ashland Street, North Adams that we spoke about last week, attached is the 7Q10 report which calculates 7Q10 to be 10.2 cfs, which equals 6.59 MGD.

Our discharge flow is going to be 50 gpm, which converts to 0.072 MGD.
DF = (6.59 + 0.072)/0.072
DF= 92.53

Could you please review and respond?

Thanks,

Katerina

Katerina Korolov | STAFF GEOLOGIST | **ATC Group Services LLC**
Office +1 413 781 0070 | Cell +1 607 342 0610

73 William Franks Drive | West Springfield, MA 01089
katerina.korolov@atcgs.com | www.atcgroupservices.com

ATTACHMENT IV

MassDEP - Bureau of Waste Site Cleanup

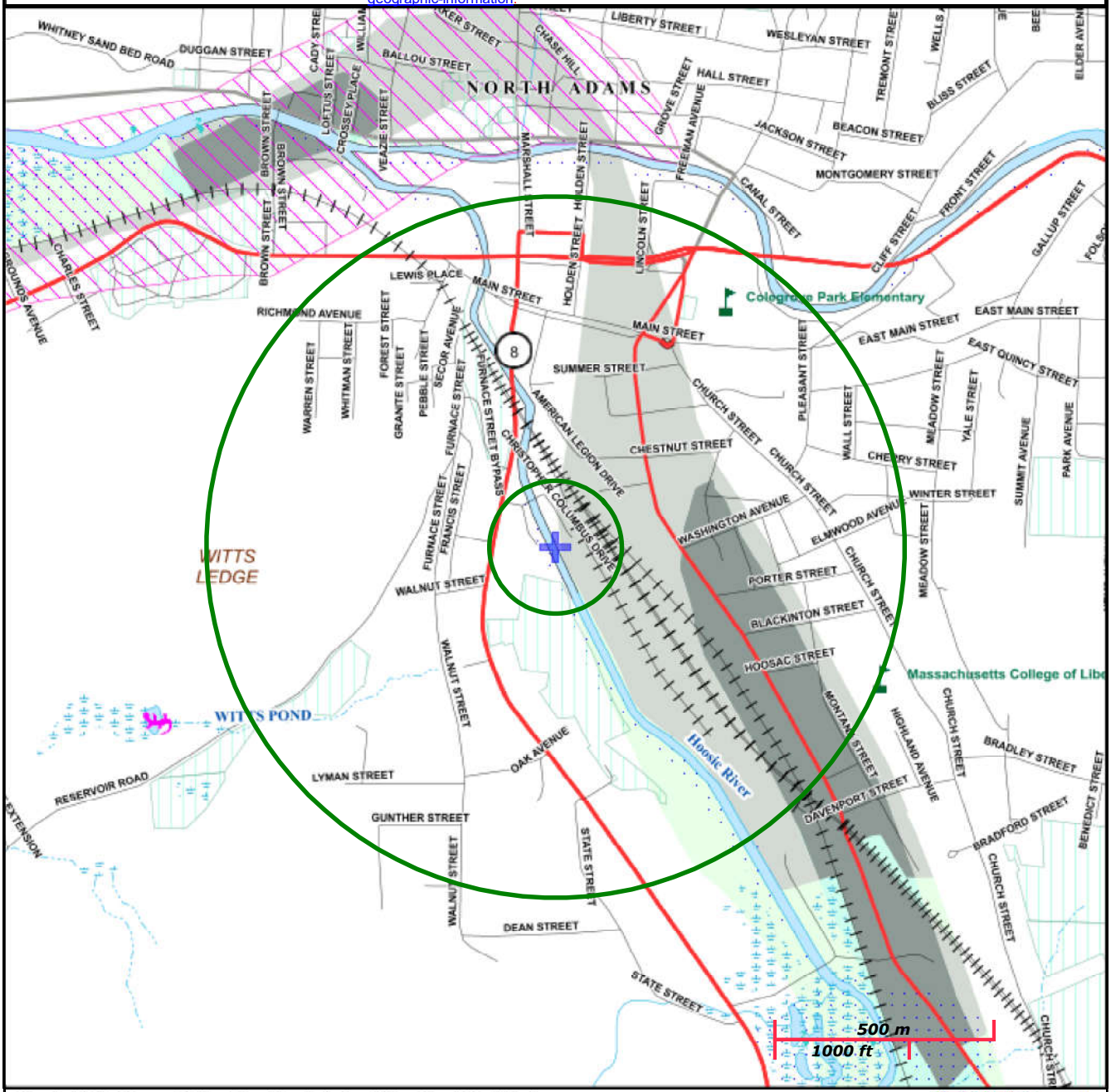
Phase 1 Site Assessment Map: 500 feet & 0.5 Mile Radii

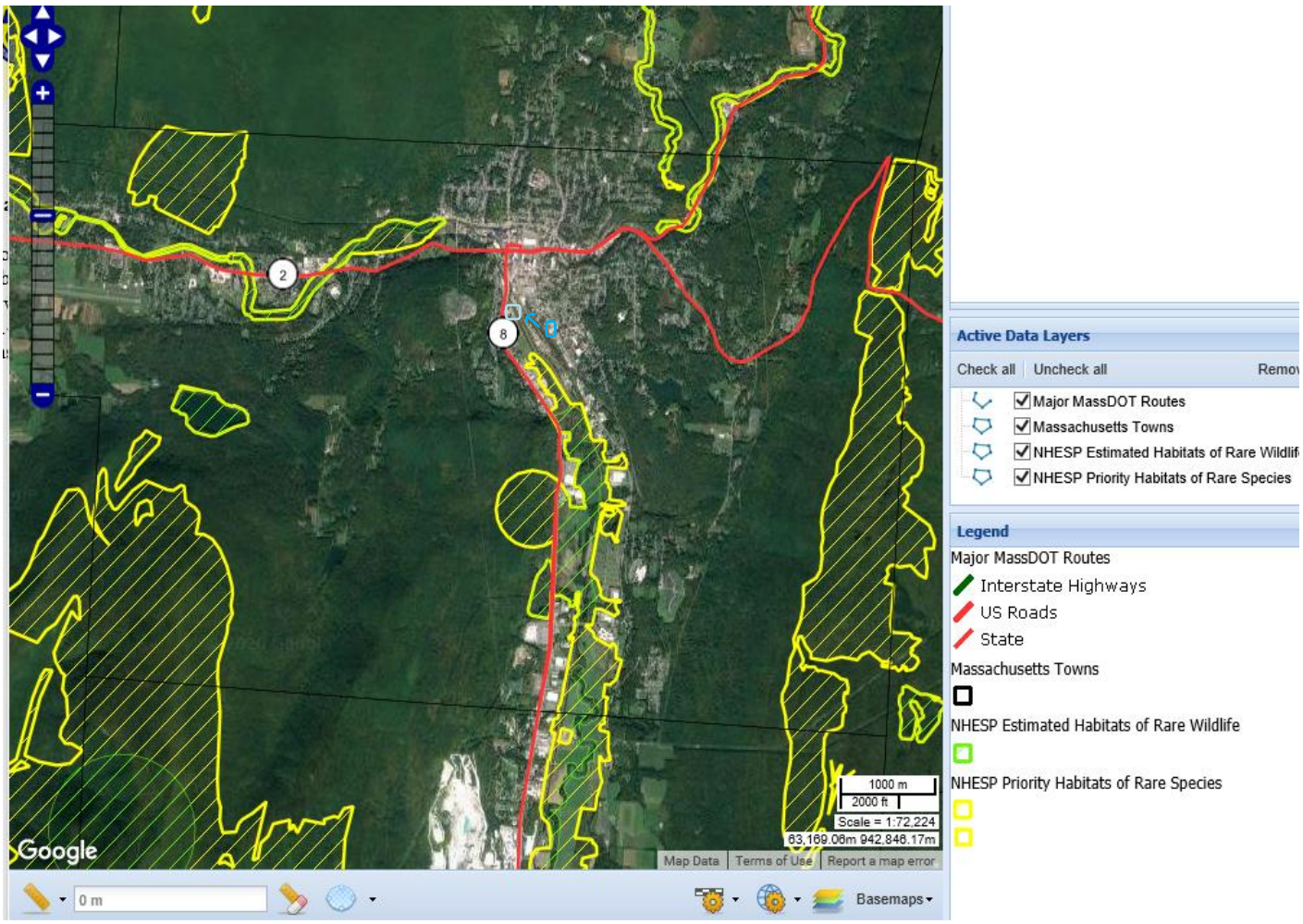
Site Information:
SOUTH BRANCH HOOSIC RIVER
ASHLAND STREET NORTH ADAMS, MA

NAD83 UTM Meters:
4728600mN , 654597mE (Zone: 18)
January 14, 2020

The information shown is the best available at the date of printing. However, it may be incomplete. The responsible party and LSP are ultimately responsible for ascertaining the true conditions surrounding the site. Metadata for data layers shown on this map can be found at: https://www.mass.gov/orgs/massgis-bureau-of-geographic-information.

MassDEP
Commonwealth of Massachusetts
Department of Environmental Protection





NHESP Map

Site/Inflow Location: 227 Ashland St, North Adams, MA (indicated by blue box)

Outfall Location: Hoosic River, South of Dam (indicated by light blue box)

ATTACHMENT V

Massachusetts Cultural Resource Information System

MACRIS

MACRIS Search Results

Search Criteria: Town(s): North Adams; Place: North Adams; Street No: 227; Street Name: Ashland St; Resource Type(s): Area, Building, Burial Ground, Object, Structure;

Inv. No.	Property Name	Street	Town	Year

ATTACHMENT VI

eurofins | Spectrum Analytical

☑ Final Report
☐ Revised Report

Report Date:
02-Dec-19 10:17

Laboratory Report
SC56741

ATC Group Services, LLC
73 William Franks Drive
West Springfield, MA 01089
Attn: Alexandra Riddle

Project: CFI - 227 Ashland St - North Adams, MA
Project #: MA8499G

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

New York # 11393
USDA # P330-15-00375

Authorized by:

Dawn Wojcik
Laboratory Director

Dawn E Wojcik

Eurofins Spectrum Analytical holds primary NELAC certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.
Please note that this report contains 26 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Eurofins Spectrum Analytical, Inc.

Eurofins Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Eurofins Spectrum Analytical, Inc. is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Eurofins Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey, Pennsylvania and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (PA-68-04426).

Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

Sample Summary

Work Order: SC56741

Project: CFI - 227 Ashland St - North Adams, MA

Project Number: MA8499G

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SC56741-01	MW-1	Ground Water	12-Nov-19 11:11	12-Nov-19 14:43
SC56741-02	Outfall	Ground Water	12-Nov-19 12:30	12-Nov-19 14:43

CASE NARRATIVE:

Data has been reported to the RDL. This report excludes estimated concentrations detected below the RDL and above the MDL (J-Flag).

All non-detects and all results below the reporting limit are reported as "<" (less than) the reporting limit in this report.

The samples were received 3.8 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 1.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group. If method or program required MS/MSD/Dup were not performed, sufficient sample was not provided to the laboratory.

Reactivity (40 CFR 261.23) Case Narrative:

These samples do not exhibit the characteristics of reactivity as defined in 40 CFR 261.23, sections (1), (2) and (4); however, Eurofins Spectrum Analytical, Inc. does not test for detonation, explosive reaction or potential, or forbidden explosives as defined in 40 CFR 261.23, sections (3), (6), (7) and (8).

Reactive sulfide and cyanide are tested at a pH of 2 and not tested at all conditions between pH 2 and12.5 as stated in 40 CFR 261.23, section (5); thus reactive cyanide and sulfide results as reported in this document can not be used to support the nonreactive properties of these samples.

The responsibility falls on the generator to use knowledge of the waste to determine if the waste meets or does not meet the descriptive, prose definition of reactivity.

GC/MS VOA
Method 624.1: The laboratory control sample (LCS) for analytical batch 480-505133 recovered outside control limits for the following analytes: 2-Methyl-2-Propanol. These analytes were biased high in the LCS and were not detected in the associated samples; therefore,
the data have been reported.SC56741-01 (480-162553-1)
Method 624.1: The continuing calibration verification (CCV) associated with batch 480-505133 recovered above the upper control limit for
2-Methyl-2-Propanol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following sample is impacted: SC56741-01 (480-162553-1).
No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.
GC Semi VOA
Method 608.3: The following samples are associated with a continuing calibration verification (CCV 480-505081/31) that had recoveries for the surrogate Decachlorobiphenyl that were slightly above acceptance limits: SC56741-01 (480-162553-1). The secondary surrogate Tetrachloro-m-xylene is within limits. Therefore, the data has been reported.
Method 608.3: The continuing calibration verification (CCV) associated with batch 480-505081 recovered above the upper control limit for
PCB-1232. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following sample is impacted: SC56741-01 (480-162553-1).
No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.
Metals
Method 200.8: The laboratory control sample (LCS) for preparation batch 480-505265 and analytical batch 480-505759 recovered outside
control limits for the following analytes: Total Antimony. These analytes were biased high in the LCS and were not detected in the associated samples SC56741-01 (480-162553-1) and SC56741-02 (480-162553-2); therefore, the data have been reported.
No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.
General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.
Organic Prep
Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-504677

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

200.8

Laboratory Control Samples:

200.8

Laboratory Control Samples:

505759-17

LCS or LCSD is outside acceptance limits.

Antimony

Samples:

SC56741-01 *MW-1*

LCS or LCSD is outside acceptance limits.

Antimony

SC56741-01RE1 *MW-1*

Compound was found in the blank and sample.

Copper

SC56741-02 *Outfall*

LCS or LCSD is outside acceptance limits.

Antimony

SC56741-02RE1 *Outfall*

Compound was found in the blank and sample.

Copper

608.3

Blanks:

505081-33

The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

Tetrachloro-m-xylene (Surr)

E625.1/E625.1SIM

Laboratory Control Samples:

506141A BSD

% 2-Fluorophenol RPD 20.7% (20%) is outside individual acceptance criteria.

% 2-Fluorophenol RPD 35.6% (20%) is outside individual acceptance criteria.

% Phenol-d5 RPD 23.3% (20%) is outside individual acceptance criteria.

1,2-Dichlorobenzene RPD 20.6% (20%) is outside individual acceptance criteria.

1,3-Dichlorobenzene RPD 21.0% (20%) is outside individual acceptance criteria.

1,4-Dichlorobenzene RPD 21.0% (20%) is outside individual acceptance criteria.

Hexachlorocyclopentadiene RPD 30.5% (20%) is outside individual acceptance criteria.

N-Nitrosodimethylamine RPD 32.1% (20%) is outside individual acceptance criteria.

E625.1/E625.1SIM

Laboratory Control Samples:

506141A BSD

Pyridine RPD 30.3% (20%) is outside individual acceptance criteria.

CE58977-LCS

This parameter is outside laboratory lcs/lcsd specified recovery limits.

Acenaphthene
Acenaphthylene
Hexachlorocyclopentadiene
Nitrobenzene
Phenanthrene
Pyridine

This parameter is outside laboratory rpd specified recovery limits.

% 2-Fluorophenol
Hexachlorocyclopentadiene
N-Nitrosodimethylamine
Pyridine

CE58977-LCSD

This parameter is outside laboratory lcs/lcsd specified recovery limits.

Phenanthrene

This parameter is outside laboratory rpd specified recovery limits.

% 2-Fluorophenol
% Phenol-d5
Hexachlorocyclopentadiene
N-Nitrosodimethylamine
Pyridine

CF58977-LCS

This parameter is outside laboratory lcs/lcsd specified recovery limits.

Bis(2-chloroisopropyl)ether
Hexachloroethane

This parameter is outside laboratory rpd specified recovery limits.

% 2-Fluorophenol
% Phenol-d5
1,2-Dichlorobenzene
1,3-Dichlorobenzene
1,4-Dichlorobenzene

CF58977-LCSD

This parameter is outside laboratory lcs/lcsd specified recovery limits.

Bis(2-chloroisopropyl)ether

This parameter is outside laboratory rpd specified recovery limits.

% 2-Fluorophenol
1,2-Dichlorobenzene
1,3-Dichlorobenzene
1,4-Dichlorobenzene

Samples:

E625.1/E625.1SIM

Samples:

SC56741-01	*MW-1*

Outside of specification

% Nitrobenzene-d5

Sample Acceptance Check Form

Client:	ATC Group Services, LLC - West Springfield, MA
Project:	CFI - 227 Ashland St - North Adams, MA / MA8499G
Work Order:	SC56741
Sample(s) received on:	11/12/2019

The following outlines the condition of samples for the attached Chain of Custody upon receipt.

	Yes	No	N/A
Were custody seals present?	☐	☑	☐
Were custody seals intact?	☐	☐	☑
Were samples received at a temperature of ≤ 6°C?	☑	☐	☐
Were samples cooled on ice upon transfer to laboratory representative?	☑	☐	☐
Were sample containers received intact?	☑	☐	☐
Were samples properly labeled (labels affixed to sample containers and include sample ID, site location, and/or project number and the collection date)?	☑	☐	☐
Were samples accompanied by a Chain of Custody document?	☑	☐	☐
Does Chain of Custody document include proper, full, and complete documentation, which shall include sample ID, site location, and/or project number, date and time of collection, collector's name, preservation type, sample matrix and any special remarks concerning the sample?	☑	☐	☐
Did sample container labels agree with Chain of Custody document?	☑	☐	☐
Were samples received within method-specific holding times?	☐	☑	☐

Summary of Hits

Lab ID: SC56741-01 **Client ID:** MW-1

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Nickel	6.5		1.0	ug/l	200.8
1,1,1-Trichloroethane	68		5.0	ug/l	624.1
1,1-Dichloroethane	32		5.0	ug/l	624.1
Chloride	840		75.0	mg/l	E300.0
Ammonia as Nitrogen	0.20		0.05	mg/l	E350.1
Calcium hardness as calcium carbonate	94		0.50	mg/l	SM 2340B
Hardness as calcium carbonate	120		0.50	mg/l	SM 2340B
Magnesium hardness as calcium carbonate	25		0.50	mg/l	SM 2340B
Tot. Diss. Solids	2000		10	mg/l	SM2540C-11

Lab ID: SC56741-01RE1 **Client ID:** MW-1

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Copper	4.2	B	1.0	ug/l	200.8

Lab ID: SC56741-02 **Client ID:** Outfall

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Ammonia as Nitrogen	0.17		0.05	mg/l	E350.1
Calcium hardness as calcium carbonate	94		0.50	mg/l	SM 2340B
Hardness as calcium carbonate	120		0.50	mg/l	SM 2340B
Magnesium hardness as calcium carbonate	25		0.50	mg/l	SM 2340B

Lab ID: SC56741-02RE1 **Client ID:** Outfall

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Copper	1.8	B	1.0	ug/l	200.8

Please note that because there are no reporting limits associated with hazardous waste characterizations or micro analyses, this summary does not include hits from these analyses if included in this work order.

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Subcontracted Analyses													
Prepared by method E300.0													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
16887-00-6	Chloride	**840**		mg/l	75.0	75.0	25	E300.0	14-Nov-19 03:30	14-Nov-19 03:30	M-CT007	506339A	
Prepared by method E350.1													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
7664-41-7	Ammonia as Nitrogen	**0.20**		mg/l	0.05	0.05	1	E350.1	14-Nov-19 09:25	14-Nov-19 09:25	M-CT007	506131A	
Subcontracted Analyses													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
108-20-3	Di-isopropyl ether	< 1.0		ug/l	1.0	1.0	1	E524.2 MOD	14-Nov-19 15:39	14-Nov-19 17:41	M-CT007	506512A	
64-17-5	Ethanol	< 200		ug/l	200	200	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 1.0		ug/l	1.0	1.0	1	"	"	"	"	"	
75-85-4	tert-amyl alcohol	< 50		ug/l	50	50	1	"	"	"	"	"	
994-05-8	tert-amyl methyl ether	< 1.0		ug/l	1.0	1.0	1	"	"	"	"	"	
75-65-0	tert-butyl alcohol	< 50		ug/l	50	50	1	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	*% Bromofluorobenzene*	*100*			*70-130 %*			"	"	"	"	"	
Subcontracted Analyses													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
83-32-9	Acenaphthene	< 0.05		ug/l	0.05	0.05	1	E625.1/E625.1SIM	13-Nov-19	15-Nov-19 12:56	M-CT007	506141A	
208-96-8	Acenaphthylene	< 0.05		ug/l	0.05	0.05	1	"	"	"	"	"	
56-55-3	Benzo(a)anthracene	< 0.04		ug/l	0.04	0.04	1	"	"	"	"	"	
50-32-8	Benzo(a)pyrene	< 0.05		ug/l	0.05	0.05	1	"	"	"	"	"	
205-99-2	Benzo(b)fluoranthene	< 0.05		ug/l	0.05	0.05	1	"	"	"	"	"	
191-24-2	Benzo(g,h,i)perylene	< 0.09		ug/l	0.09	0.09	1	"	"	"	"	"	
207-08-9	Benzo(k)fluoranthene	< 0.05		ug/l	0.05	0.05	1	"	"	"	"	"	
218-01-9	Chrysene	< 0.05		ug/l	0.05	0.05	1	"	"	"	"	"	
53-70-3	Dibenz(a,h)anthracene	< 0.02		ug/l	0.02	0.02	1	"	"	"	"	"	
118-74-1	Hexachlorobenzene	< 0.06		ug/l	0.06	0.06	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	< 0.09		ug/l	0.09	0.09	1	"	"	"	"	"	
77-47-4	Hexachlorocyclopentadiene	< 0.09		ug/l	0.09	0.09	1	"	"	"	"	"	
193-39-5	Indeno(1,2,3-c,d)pyrene	< 0.05		ug/l	0.05	0.05	1	"	"	"	"	"	
98-95-3	Nitrobenzene	< 0.09		ug/l	0.09	0.09	1	"	"	"	"	"	
62-75-9	N-Nitrosodimethylamine	< 0.05		ug/l	0.05	0.05	1	"	"	"	"	"	
87-86-5	Pentachlorophenol	< 0.05		ug/l	0.05	0.05	1	"	"	"	"	"	
85-01-8	Phenanthrene	< 0.05		ug/l	0.05	0.05	1	"	"	"	"	"	
110-86-1	Pyridine	< 0.47		ug/l	0.47	0.47	1	"	"	"	"	"	
Surrogate recoveries:													
118-79-6	*% 2,4,6-Tribromophenol*	*63*			*15-110 %*			"	"	"	"	"	
321-60-8	*% 2-Fluorobiphenyl*	*45*			*40-140 %*			"	"	"	"	"	
367-12-4	*% 2-Fluorophenol*	*39*			*15-110 %*			"	"	"	"	"	
4165-60-0	*% Nitrobenzene-d5*	*31*	*a		*40-140 %*			"	"	"	"	"	
4165-62-2	*% Phenol-d5*	*38*			*15-110 %*			"	"	"	"	"	
98904-43-9	*% Terphenyl-d14*	*55*			*40-140 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-1	MA8499G	Ground Water	12-Nov-19 11:11	12-Nov-19
SC56741-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Subcontracted Analyses													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
Re-analysis of Subcontracted Analyses													
120-82-1	1,2,4-Trichlorobenzene	< 4.7		ug/l	4.7	4.7	1	E625.1/E625.1SIM	13-Nov-19	15-Nov-19 14:33	M-CT007	506141A	
95-50-1	1,2-Dichlorobenzene	< 4.7		ug/l	4.7	4.7	1	"	"	"	"	"	
122-66-7	1,2-Diphenylhydrazine	< 4.7		ug/l	4.7	4.7	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	< 4.7		ug/l	4.7	4.7	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	< 4.7		ug/l	4.7	4.7	1	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	< 4.7		ug/l	4.7	4.7	1	"	"	"	"	"	
88-06-2	2,4,6-Trichlorophenol	< 4.7		ug/l	4.7	4.7	1	"	"	"	"	"	
120-83-2	2,4-Dichlorophenol	< 4.7		ug/l	4.7	4.7	1	"	"	"	"	"	
105-67-9	2,4-Dimethylphenol	< 4.7		ug/l	4.7	4.7	1	"	"	"	"	"	
51-28-5	2,4-Dinitrophenol	< 4.7		ug/l	4.7	4.7	1	"	"	"	"	"	
121-14-2	2,4-Dinitrotoluene	< 4.7		ug/l	4.7	4.7	1	"	"	"	"	"	
87-65-0	2,6-Dichlorophenol	< 4.7		ug/l	4.7	4.7	1	"	"	"	"	"	
606-20-2	2,6-Dinitrotoluene	< 4.7		ug/l	4.7	4.7	1	"	"	"	"	"	
91-58-7	2-Chloronaphthalene	< 4.7		ug/l	4.7	4.7	1	"	"	"	"	"	
95-57-8	2-Chlorophenol	< 4.7		ug/l	4.7	4.7	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	< 4.7		ug/l	4.7	4.7	1	"	"	"	"	"	
95-48-7	2-Methylphenol (o-cresol)	< 4.7		ug/l	4.7	4.7	1	"	"	"	"	"	
88-74-4	2-Nitroaniline	< 9.4		ug/l	9.4	9.4	1	"	"	"	"	"	
88-75-5	2-Nitrophenol	< 4.7		ug/l	4.7	4.7	1	"	"	"	"	"	
	3&4-Methylphenol (m&p-cresol)	< 4.7		ug/l	4.7	4.7	1	"	"	"	"	"	
91-94-1	3,3'-Dichlorobenzidine	< 4.7		ug/l	4.7	4.7	1	"	"	"	"	"	
99-09-2	3-Nitroaniline	< 4.7		ug/l	4.7	4.7	1	"	"	"	"	"	
534-52-1	4,6-Dinitro-2-methylphenol	< 4.7		ug/l	4.7	4.7	1	"	"	"	"	"	
101-55-3	4-Bromophenyl phenyl ether	< 4.7		ug/l	4.7	4.7	1	"	"	"	"	"	
59-50-7	4-Chloro-3-methylphenol	< 4.7		ug/l	4.7	4.7	1	"	"	"	"	"	
106-47-8	4-Chloroaniline	< 4.7		ug/l	4.7	4.7	1	"	"	"	"	"	
7005-72-3	4-Chlorophenyl phenyl ether	< 4.7		ug/l	4.7	4.7	1	"	"	"	"	"	
100-01-6	4-Nitroaniline	< 4.7		ug/l	4.7	4.7	1	"	"	"	"	"	
100-02-7	4-Nitrophenol	< 4.7		ug/l	4.7	4.7	1	"	"	"	"	"	
120-12-7	Anthracene	< 4.7		ug/l	4.7	4.7	1	"	"	"	"	"	
92-87-5	Benzidine	< 4.7		ug/l	4.7	4.7	1	"	"	"	"	"	
65-85-0	Benzoic acid	< 9.4		ug/l	9.4	9.4	1	"	"	"	"	"	
100-51-6	Benzyl alcohol	< 9.4		ug/l	9.4	9.4	1	"	"	"	"	"	
85-68-7	Benzyl butyl phthalate	< 4.7		ug/l	4.7	4.7	1	"	"	"	"	"	
111-91-1	Bis(2-chloroethoxy)methane	< 4.7		ug/l	4.7	4.7	1	"	"	"	"	"	
111-44-4	Bis(2-chloroethyl)ether	< 4.7		ug/l	4.7	4.7	1	"	"	"	"	"	
39638-32-9	Bis(2-chloroisopropyl)ether	< 4.7		ug/l	4.7	4.7	1	"	"	"	"	"	
117-81-7	Bis(2-ethylhexyl)phthalate	< 0.94		ug/l	0.94	0.94	1	"	"	"	"	"	
132-64-9	Dibenzofuran	< 0.94		ug/l	0.94	0.94	1	"	"	"	"	"	
84-66-2	Diethyl phthalate	< 4.7		ug/l	4.7	4.7	1	"	"	"	"	"	
131-11-3	Dimethylphthalate	< 4.7		ug/l	4.7	4.7	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-1	MA8499G	Ground Water	12-Nov-19 11:11	12-Nov-19
SC56741-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Subcontracted Analyses													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
Re-analysis of Subcontracted Analyses													
84-74-2	Di-n-butylphthalate	< 4.7		ug/l	4.7	4.7	1	E625.1/E625.1SIM	13-Nov-19	15-Nov-19 14:33	M-CT007	506141A	
117-84-0	Di-n-octylphthalate	< 4.7		ug/l	4.7	4.7	1	"	"	"	"	"	
206-44-0	Fluoranthene	< 4.7		ug/l	4.7	4.7	1	"	"	"	"	"	
86-73-7	Fluorene	< 4.7		ug/l	4.7	4.7	1	"	"	"	"	"	
67-72-1	Hexachloroethane	< 0.94		ug/l	0.94	0.94	1	"	"	"	"	"	
78-59-1	Isophorone	< 4.7		ug/l	4.7	4.7	1	"	"	"	"	"	
91-20-3	Naphthalene	< 4.7		ug/l	4.7	4.7	1	"	"	"	"	"	
621-64-7	N-Nitrosodi-n-propylamine	< 4.7		ug/l	4.7	4.7	1	"	"	"	"	"	
86-30-6	N-Nitrosodiphenylamine	< 4.7		ug/l	4.7	4.7	1	"	"	"	"	"	
108-95-2	Phenol	< 4.7		ug/l	4.7	4.7	1	"	"	"	"	"	
129-00-0	Pyrene	< 4.7		ug/l	4.7	4.7	1	"	"	"	"	"	
Surrogate recoveries:													
118-79-6	*% 2,4,6-Tribromophenol*	*67*			*15-130 %*			"	"	"	"	"	
321-60-8	*% 2-Fluorobiphenyl*	*70*			*30-130 %*			"	"	"	"	"	
367-12-4	*% 2-Fluorophenol*	*47*			*10-130 %*			"	"	"	"	"	
4165-60-0	*% Nitrobenzene-d5*	*65*			*15-130 %*			"	"	"	"	"	
4165-62-2	*% Phenol-d5*	*43*			*10-130 %*			"	"	"	"	"	
98904-43-9	*% Terphenyl-d14*	*68*			*30-130 %*			"	"	"	"	"	
Prepared by method SM 2540D-11													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
	Total Suspended Solids	< 1.4		mg/l	1.4	1.4	0.3	SM 2540D-11	13-Nov-19 07:40	13-Nov-19 07:40	M-CT007	506041A	
Prepared by method SM2540C-11													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
	Tot. Diss. Solids	**2,000**		mg/l	10	10	1	SM2540C-11	14-Nov-19 10:26	14-Nov-19 10:26	M-CT007	506258A	
Prepared by method SM3500CRB													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
18540-29-9	Chromium, Hexavalent	< 0.01		mg/l	0.01	0.01	1	SM3500CRB-11	12-Nov-19	12-Nov-19 18:20	M-CT007	505986A	
Prepared by method SM4500Cl-G													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
7782-50-5	Chlorine Residual	< 0.02		mg/l	0.02	0.02	1	SM4500Cl-G-00	"	12-Nov-19 18:03	M-CT007	505985A	
Prepared by method SW-7.3													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
	Reactivity Sulfide	< 5		mg/l	5	5	1	SW-7.3	15-Nov-19 15:32	15-Nov-19 15:32	M-CT007	'[none]'	
Prepared by method SW846-React													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
	Reactivity	**Negative**		Pos/Neg			1	SW846-React	13-Nov-19 17:24	13-Nov-19 17:24	M-CT007	"	
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
	Reactivity Cyanide	< 2.0		mg/l	2.0	2.0	1.96	SW846-React cyanide	13-Nov-19	13-Nov-19 13:19	M-CT007	506038A	
Prepared by method SM 4500 CN													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-1	MA8499G	Ground Water	12-Nov-19 11:11	12-Nov-19
SC56741-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Subcontracted Analyses													
Prepared by method SM 4500 CN													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
57-12-5	Total Cyanide	< 0.010		mg/l	0.010	0.010	1	SW9010C/SW9012B	12-Nov-19	14-Nov-19 12:48	M-CT007	505994A	
Subcontracted Analyses													
Prepared by method 8011													
Analysis performed by TestAmerica Analytical Testing Corp.- Buffalo - DSC													
106-93-4	Ethylene Dibromide	< 0.011		ug/l	0.011	0.0077	1	8011	19-Nov-19 11:36	19-Nov-19 21:37	DSC	505354	
Prepared by method 1664B													
Analysis performed by TestAmerica Analytical Testing Corp.- Buffalo - CRK													
	TPH (1664A)	< 5.0		mg/l	5.0	2.0	1	1664B	21-Nov-19 08:32	21-Nov-19 15:25	CRK	505862	
Prepared by method 245.1													
Analysis performed by TestAmerica Analytical Testing Corp.- Buffalo - BMB													
7439-97-6	Mercury	< 0.00020		mg/l	0.00020	0.00012	1	245.1	19-Nov-19 11:19	19-Nov-19 14:45	BMB	505356	
Prepared by method 200.7													
Analysis performed by TestAmerica Analytical Testing Corp.- Buffalo - LMH													
7439-89-6	Iron	< 0.050		mg/l	0.050	0.019	1	200.7 Rev 4.4	19-Nov-19 09:25	19-Nov-19 17:10	LMH	505264	
Subcontracted Analyses													
Prepared by method 200.8													
Analysis performed by TestAmerica Analytical Testing Corp.- Buffalo - KMP													
7440-36-0	Antimony	< 1.0	*	ug/l	1.0	0.35	1	200.8	19-Nov-19 08:50	20-Nov-19 14:14	KMP	505265	
7440-38-2	Arsenic	< 1.0		ug/l	1.0	0.27	1	"	"	"	"	"	
7440-43-9	Cadmium	< 0.50		ug/l	0.50	0.071	1	"	"	"	"	"	
7440-47-3	Chromium	< 1.5		ug/l	1.5	0.36	1	"	"	"	"	"	
7439-92-1	Lead	< 1.0		ug/l	1.0	0.17	1	"	"	"	"	"	
7440-02-0	Nickel	**6.5**		ug/l	1.0	0.11	1	"	"	"	"	"	
7782-49-2	Selenium	< 1.0		ug/l	1.0	0.44	1	"	"	"	"	"	
7440-22-4	Silver	< 0.50		ug/l	0.50	0.036	1	"	"	"	"	"	
7440-28-0	Thallium	< 0.20		ug/l	0.20	0.019	1	"	"	"	"	"	
7440-66-6	Zinc	< 10		ug/l	10	2.6	1	"	"	"	"	"	
Re-analysis of Subcontracted Analyses													
Prepared by method 200.8													
7440-41-7	Beryllium	< 0.70		ug/l	0.70	0.030	1	200.8	19-Nov-19 08:50	21-Nov-19 13:03	KMP	505265	
7440-50-8	Copper	**4.2**	B	ug/l	1.0	0.22	1	"	"	"	"	"	
Subcontracted Analyses													
Prepared by method 3510C													
Analysis performed by TestAmerica Analytical Testing Corp.- Buffalo - W1T													
12674-11-2	PCB-1016	< 0.060		ug/l	0.060	0.038	1	608.3	15-Nov-19 09:04	18-Nov-19 17:47	W1T	504677	
11104-28-2	PCB-1221	< 0.060		ug/l	0.060	0.038	1	"	"	"	"	"	
11141-16-5	PCB-1232	< 0.060		ug/l	0.060	0.038	1	"	"	"	"	"	
53469-21-9	PCB-1242	< 0.060		ug/l	0.060	0.038	1	"	"	"	"	"	
12672-29-6	PCB-1248	< 0.060		ug/l	0.060	0.038	1	"	"	"	"	"	
11097-69-1	PCB-1254	< 0.060		ug/l	0.060	0.031	1	"	"	"	"	"	
11096-82-5	PCB-1260	< 0.060		ug/l	0.060	0.031	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-1	MA8499G	Ground Water	12-Nov-19 11:11	12-Nov-19
SC56741-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Subcontracted Analyses													
Subcontracted Analyses													
Analysis performed by TestAmerica Analytical Testing Corp.- Buffalo - W1T													
37324-23-5	PCB-1262	< 0.060		ug/l	0.060	0.031	1	608.3	15-Nov-19 09:04	18-Nov-19 17:47	W1T	504677	
11100-14-4	PCB-1268	< 0.060		ug/l	0.060	0.031	1	"	"	"	"	"	
Surrogate recoveries:													
2051-24-3	*DCB Decachlorobiphenyl*	*75*			*36-121 %*			"	"	"	"	"	
877-09-8	*Tetrachloro-m-xylene (Surr)*	*71*			*42-135 %*			"	"	"	"	"	
Subcontracted Analyses Prepared by method NA													
Analysis performed by TestAmerica Analytical Testing Corp.- Buffalo - LMH													
	Calcium hardness as calcium carbonate	**94**		mg/l	0.50	0.10	1	SM 2340B	26-Nov-19 08:28	26-Nov-19 08:28	LMH	506759	
	Hardness as calcium carbonate	**120**		mg/l	0.50	0.10	1	"	"	"	"	"	
	Magnesium hardness as calcium carbonate	**25**		mg/l	0.50	0.10	1	"	"	"	"	"	
Subcontracted Analyses Prepared by method 624													
Analysis performed by TestAmerica Analytical Testing Corp.- Buffalo - S1V													
71-55-6	1,1,1-Trichloroethane	**68**		ug/l	5.0	0.39	1	624.1	18-Nov-19 14:02	18-Nov-19 14:02	S1V	505133	
79-00-5	1,1,2-Trichloroethane	< 5.0		ug/l	5.0	0.48	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	**32**		ug/l	5.0	0.59	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	< 5.0		ug/l	5.0	0.85	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 5.0		ug/l	5.0	0.44	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	< 5.0		ug/l	5.0	0.60	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	< 5.0		ug/l	5.0	0.54	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	< 5.0		ug/l	5.0	0.51	1	"	"	"	"	"	
123-91-1	1,4-Dioxane	< 200		ug/l	200	15	1	"	"	"	"	"	
71-43-2	Benzene	< 5.0		ug/l	5.0	0.60	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	< 5.0		ug/l	5.0	0.51	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	< 5.0		ug/l	5.0	0.57	1	"	"	"	"	"	
100-41-4	Ethylbenzene	< 5.0		ug/l	5.0	0.46	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	< 5.0		ug/l	5.0	0.35	1	"	"	"	"	"	
75-09-2	Methylene Chloride	< 5.0		ug/l	5.0	0.81	1	"	"	"	"	"	
179601-23-1	m-Xylene & p-Xylene	< 10		ug/l	10	1.1	1	"	"	"	"	"	
95-47-6	o-Xylene	< 5.0		ug/l	5.0	0.43	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	< 5.0		ug/l	5.0	0.34	1	"	"	"	"	"	
108-88-3	Toluene	< 5.0		ug/l	5.0	0.45	1	"	"	"	"	"	
	Total BTEX	< 10		ug/l	10	1.1	1	"	"	"	"	"	
79-01-6	Trichloroethylene	< 5.0		ug/l	5.0	0.60	1	"	"	"	"	"	
75-01-4	Vinyl chloride	< 5.0		ug/l	5.0	0.75	1	"	"	"	"	"	
Surrogate recoveries:													
17060-07-0	*1,2-Dichloroethane-d4 (Surr)*	*107*			*68-130 %*			"	"	"	"	"	
460-00-4	*4-Bromofluorobenzene (Surr)*	*107*			*76-123 %*			"	"	"	"	"	

Sample Identification
MW-1
SC56741-01

Client Project #	Matrix	Collection Date/Time	Received
MA8499G	Ground Water	12-Nov-19 11:11	12-Nov-19

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Subcontracted Analyses													
Subcontracted Analyses													
Analysis performed by TestAmerica Analytical Testing Corp.- Buffalo - S1V													
2037-26-5	*Toluene-d8 (Surr)*	*101*			*77-120 %*			624.1	18-Nov-19 14:02	-Nov-19 14:	S1V	505133	
Analysis performed by TestAmerica Analytical Testing Corp.- Buffalo - S1V													
67-64-1	Acetone	< 2.5		ug/l	2.5	2.0	1	"	"	"	"	"	

Sample Identification
Outfall
SC56741-02

Client Project #	Matrix	Collection Date/Time	Received
MA8499G	Ground Water	12-Nov-19 12:30	12-Nov-19

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Subcontracted Analyses													
Prepared by method E350.1													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
7664-41-7	Ammonia as Nitrogen	**0.17**		mg/l	0.05	0.05	1	E350.1	14-Nov-19 09:26	14-Nov-19 09:26	M-CT007	506131A	
Subcontracted Analyses													
Prepared by method 245.1													
Analysis performed by TestAmerica Analytical Testing Corp.- Buffalo - BMB													
7439-97-6	Mercury	< 0.00020		mg/l	0.00020	0.00012	1	245.1	19-Nov-19 11:19	19-Nov-19 14:48	BMB	505356	
Subcontracted Analyses													
Prepared by method 200.8													
Analysis performed by TestAmerica Analytical Testing Corp.- Buffalo - KMP													
7440-36-0	Antimony	< 1.0	*	ug/l	1.0	0.35	1	200.8	19-Nov-19 08:50	20-Nov-19 14:16	KMP	505265	
7440-38-2	Arsenic	< 1.0		ug/l	1.0	0.27	1	"	"	"	"	"	
7440-43-9	Cadmium	< 0.50		ug/l	0.50	0.071	1	"	"	"	"	"	
7440-47-3	Chromium	< 1.5		ug/l	1.5	0.36	1	"	"	"	"	"	
7439-92-1	Lead	< 1.0		ug/l	1.0	0.17	1	"	"	"	"	"	
7440-02-0	Nickel	< 1.0		ug/l	1.0	0.11	1	"	"	"	"	"	
7782-49-2	Selenium	< 1.0		ug/l	1.0	0.44	1	"	"	"	"	"	
7440-22-4	Silver	< 0.50		ug/l	0.50	0.036	1	"	"	"	"	"	
7440-28-0	Thallium	< 0.20		ug/l	0.20	0.019	1	"	"	"	"	"	
7440-66-6	Zinc	< 10		ug/l	10	2.6	1	"	"	"	"	"	
Re-analysis of Subcontracted Analyses													
Prepared by method 200.8													
7440-41-7	Beryllium	< 0.70		ug/l	0.70	0.030	1	200.8	19-Nov-19 08:50	21-Nov-19 13:05	KMP	505265	
7440-50-8	Copper	**1.8**	B	ug/l	1.0	0.22	1	"	"	"	"	"	
Subcontracted Analyses													
Prepared by method NA													
Analysis performed by TestAmerica Analytical Testing Corp.- Buffalo - LMH													
	Calcium hardness as calcium carbonate	**94**		mg/l	0.50	0.10	1	SM 2340B	26-Nov-19 08:28	26-Nov-19 08:28	LMH	506759	
	Hardness as calcium carbonate	**120**		mg/l	0.50	0.10	1	"	"	"	"	"	
	Magnesium hardness as calcium carbonate	**25**		mg/l	0.50	0.10	1	"	"	"	"	"	

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
E300.0										
Batch 506339A - E300.0										
Blank (CE59614-BLK)						Prepared & Analyzed: 13-Nov-19				
Chloride	< 3.0		mg/l	3.0			BRL	-		
LCS (CE59614-LCS)						Prepared & Analyzed: 14-Nov-19				
Chloride	**29.08**		mg/l	3.0	103199174		96.9	90-110		20
E350.1										
Batch 506131A - E350.1										
Blank (CE57383-BLK)						Prepared: 13-Nov-19 Analyzed: 14-Nov-19				
Ammonia as Nitrogen	< 0.05		mg/l	0.05			BRL	-		
LCS (CE57383-LCS)						Prepared: 13-Nov-19 Analyzed: 14-Nov-19				
Ammonia as Nitrogen	**6.390**		mg/l	0.05	6.77		94.4	90-110		20
E524.2 MOD										
Batch 506512A - E524.2 MOD										
Blank (CE59290-BLK)						Prepared & Analyzed: 14-Nov-19				
tert-amyl methyl ether	**ND**		ug/l	10			ND	-		
tert-butyl alcohol	**ND**		ug/l	25			ND	-		
tert-amyl alcohol	**ND**		ug/l	25			ND	-		
Ethyl tert-butyl ether	**ND**		ug/l	1.0			ND	-		
Ethanol	**ND**		ug/l	200			ND	-		
Di-isopropyl ether	**ND**		ug/l	1.0			ND	-		
Surrogate: % Bromofluorobenzene	*98*		ug/l		*50*		*98*	*70-130*		
LCS (CE59290-LCS)						Prepared & Analyzed: 14-Nov-19				
tert-butyl alcohol	**270.6**		ug/l	25	250		108	70-130		30
Di-isopropyl ether	**9.768**		ug/l	1.0	10		98	70-130		30
Ethanol	**220.6**		ug/l	200	250		88	70-130		30
Ethyl tert-butyl ether	**10.12**		ug/l	1.0	10		101	70-130		30
tert-amyl alcohol	**281.2**		ug/l	25	250		112	70-130		30
tert-amyl methyl ether	**9.695**		ug/l	10	10		97	70-130		30
Surrogate: % Bromofluorobenzene	*50.40*		ug/l		*50*		*101*	*70-130*		
LCS Dup (CE59290-LCSD)			**Source: CE59290-LCS**			Prepared & Analyzed: 14-Nov-19				
tert-amyl alcohol	**259.2**		ug/l	25	250		104	70-130	7.4	30
tert-butyl alcohol	**242.5**		ug/l	25	250		97	70-130	10.7	30
tert-amyl methyl ether	**9.361**		ug/l	10	10		94	70-130	3.1	30
Ethanol	**221.7**		ug/l	200	250		89	70-130	1.1	30
Di-isopropyl ether	**9.311**		ug/l	1.0	10		93	70-130	5.2	30
Ethyl tert-butyl ether	**9.876**		ug/l	1.0	10		99	70-130	2.0	30
Surrogate: % Bromofluorobenzene	*50.39*		ug/l		*50*		*101*	*70-130*		
E625.1/E625.1SIM										
Batch 506141A - E625.1										
Blank (CE58977-BLK)						Prepared: 13-Nov-19 Analyzed: 15-Nov-19				
N-Nitrosodimethylamine	**ND**		ug/l	0.05			ND	-		
Chrysene	**ND**		ug/l	0.50			ND	-		
Dibenz(a,h)anthracene	**ND**		ug/l	0.50			ND	-		
Hexachlorobenzene	**ND**		ug/l	0.50			ND	-		
Hexachlorobutadiene	**ND**		ug/l	0.50			ND	-		
Hexachlorocyclopentadiene	**ND**		ug/l	0.50			ND	-		
Nitrobenzene	**ND**		ug/l	0.50			ND	-		
Pentachlorophenol	**ND**		ug/l	0.50			ND	-		
Pyridine	**ND**		ug/l	0.50			ND	-		
Phenanthrene	**ND**		ug/l	0.50			ND	-		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
E625.1/E625.1SIM										
Batch 506141A - E625.1										
Blank (CE58977-BLK)					Prepared: 13-Nov-19 Analyzed: 15-Nov-19					
Benzo(k)fluoranthene	**ND**		ug/l	0.50			ND	-		
Indeno(1,2,3-c,d)pyrene	**ND**		ug/l	0.50			ND	-		
Benzo(b)fluoranthene	**ND**		ug/l	0.50			ND	-		
Benzo(a)pyrene	**ND**		ug/l	0.50			ND	-		
Benzo(a)anthracene	**ND**		ug/l	0.50			ND	-		
Acenaphthylene	**ND**		ug/l	0.50			ND	-		
Acenaphthene	**ND**		ug/l	0.50			ND	-		
Benzo(g,h,i)perylene	**ND**		ug/l	0.50			ND	-		
Surrogate: % 2,4,6-Tribromophenol	*57*		ug/l		*7.5*		*57*	*15-130*		
Surrogate: % 2-Fluorobiphenyl	*44*		ug/l		*5*		*44*	*30-130*		
Surrogate: % 2-Fluorophenol	*43*		ug/l		*7.5*		*43*	*10-130*		
Surrogate: % Nitrobenzene-d5	*31*		ug/l		*5*		*31*	*15-130*		
Surrogate: % Phenol-d5	*43*		ug/l		*7.5*		*43*	*10-130*		
Surrogate: % Terphenyl-d14	*53*		ug/l		*5*		*53*	*30-130*		
LCS (CE58977-LCS)					Prepared: 13-Nov-19 Analyzed: 15-Nov-19					
Hexachlorobutadiene	**2.048**		ug/l	0.50	5		41	38-120		62
Benzo(k)fluoranthene	**4.082**		ug/l	0.50	5		82	25-146		63
Phenanthrene	**2.957**	I	ug/l	0.50	5		59	65-120		39
Pentachlorophenol	**4.135**		ug/l	0.50	5		83	38-152		86
N-Nitrosodimethylamine	**1.679**	r	ug/l	0.05	5		34	30-130		20
Nitrobenzene	**2.294**	I	ug/l	0.50	5		46	54-158		62
Hexachlorocyclopentadiene	**1.254**	I, r	ug/l	0.50	5		25	30-130		20
Hexachlorobenzene	**3.109**		ug/l	0.50	5		62	8-142		55
Dibenz(a,h)anthracene	**3.764**		ug/l	0.50	5		75	10-200		126
Chrysene	**3.507**		ug/l	0.50	5		70	44-140		87
Pyridine	**1.377**	I, r	ug/l	0.50	5		28	30-130		20
Benzo(b)fluoranthene	**3.972**		ug/l	0.50	5		79	42-140		71
Benzo(a)pyrene	**3.188**		ug/l	0.50	5		64	32-148		72
Benzo(a)anthracene	**3.634**		ug/l	0.50	5		73	42-133		53
Acenaphthylene	**2.483**	I	ug/l	0.50	5		50	54-126		74
Acenaphthene	**2.728**	I	ug/l	0.50	5		55	60-132		48
Indeno(1,2,3-c,d)pyrene	**3.552**		ug/l	0.50	5		71	10-151		99
Benzo(g,h,i)perylene	**3.707**		ug/l	0.50	5		74	10-195		97
Surrogate: % 2,4,6-Tribromophenol	*5.202*		ug/l		*7.5*		*69*	*15-130*		
Surrogate: % 2-Fluorophenol	*2.264*	r	ug/l		*7.5*		*30*	*10-130*		
Surrogate: % Phenol-d5	*2.815*		ug/l		*7.5*		*38*	*10-130*		
Surrogate: % 2-Fluorobiphenyl	*2.240*		ug/l		*5*		*45*	*30-130*		
Surrogate: % Terphenyl-d14	*3.095*		ug/l		*5*		*62*	*30-130*		
Surrogate: % Nitrobenzene-d5	*2.649*		ug/l		*5*		*53*	*15-130*		
LCS Dup (CE58977-LCSD)			**Source: CE58977-LCS**		Prepared: 13-Nov-19 Analyzed: 15-Nov-19					
Dibenz(a,h)anthracene	**3.785**		ug/l	0.50	5		76	10-200	1.3	126
Hexachlorobenzene	**3.412**		ug/l	0.50	5		68	8-142	9.2	55
Hexachlorobutadiene	**2.503**		ug/l	0.50	5		50	38-120	19.8	62
Hexachlorocyclopentadiene	**1.676**	r	ug/l	0.50	5		34	30-130	30.5	20
Indeno(1,2,3-c,d)pyrene	**3.646**		ug/l	0.50	5		73	10-151	2.8	99
Nitrobenzene	**2.869**		ug/l	0.50	5		57	54-158	21.4	62
N-Nitrosodimethylamine	**2.370**	r	ug/l	0.05	5		47	30-130	32.1	20
Chrysene	**3.582**		ug/l	0.50	5		72	44-140	2.8	87
Phenanthrene	**3.177**	I	ug/l	0.50	5		64	65-120	8.1	39
Acenaphthene	**3.126**		ug/l	0.50	5		63	60-132	13.6	48

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
E625.1/E625.1SIM										
Batch 506141A - E625.1										
LCS Dup (CE58977-LCSD)			**Source: CE58977-LCS**		Prepared: 13-Nov-19 Analyzed: 15-Nov-19					
Pentachlorophenol	**4.511**		ug/l	0.50	5		90	38-152	8.1	86
Benzo(k)fluoranthene	**4.146**		ug/l	0.50	5		83	25-146	1.2	63
Benzo(g,h,i)perylene	**3.725**		ug/l	0.50	5		75	10-195	1.3	97
Benzo(b)fluoranthene	**3.966**		ug/l	0.50	5		79	42-140	0.0	71
Benzo(a)pyrene	**3.281**		ug/l	0.50	5		66	32-148	3.1	72
Benzo(a)anthracene	**3.743**		ug/l	0.50	5		75	42-133	2.7	53
Acenaphthylene	**2.894**		ug/l	0.50	5		58	54-126	14.8	74
Pyridine	**1.878**	r	ug/l	0.50	5		38	30-130	30.3	20
Surrogate: % Terphenyl-d14	*3.187*		ug/l		*5*		*64*	*30-130*		
Surrogate: % 2-Fluorophenol	*3.239*	r	ug/l		*7.5*		*43*	*10-130*		
Surrogate: % 2-Fluorobiphenyl	*2.609*		ug/l		*5*		*52*	*30-130*		
Surrogate: % 2,4,6-Tribromophenol	*5.834*		ug/l		*7.5*		*78*	*15-130*		
Surrogate: % Phenol-d5	*3.607*	r	ug/l		*7.5*		*48*	*10-130*		
Surrogate: % Nitrobenzene-d5	*3.159*		ug/l		*5*		*63*	*15-130*		
Blank (CF58977-BLK)					Prepared: 13-Nov-19 Analyzed: 15-Nov-19					
Dibenzofuran	**ND**		ug/l	3.5			ND	-		
4-Chloro-3-methylphenol	**ND**		ug/l	1.0			ND	-		
4-Chloroaniline	**ND**		ug/l	3.5			ND	-		
4-Chlorophenyl phenyl ether	**ND**		ug/l	1.0			ND	-		
4-Nitroaniline	**ND**		ug/l	5.0			ND	-		
4-Nitrophenol	**ND**		ug/l	1.0			ND	-		
Anthracene	**ND**		ug/l	1.5			ND	-		
Benzidine	**ND**		ug/l	4.5			ND	-		
Benzoic acid	**ND**		ug/l	10			ND	-		
Benzyl alcohol	**ND**		ug/l	5.0			ND	-		
Benzyl butyl phthalate	**ND**		ug/l	1.5			ND	-		
Bis(2-chloroethoxy)methane	**ND**		ug/l	3.5			ND	-		
Bis(2-chloroethyl)ether	**ND**		ug/l	1.0			ND	-		
4-Bromophenyl phenyl ether	**ND**		ug/l	3.5			ND	-		
Bis(2-ethylhexyl)phthalate	**ND**		ug/l	1.5			ND	-		
Hexachloroethane	**ND**		ug/l	3.5			ND	-		
Diethyl phthalate	**ND**		ug/l	1.5			ND	-		
Dimethylphthalate	**ND**		ug/l	1.5			ND	-		
Di-n-butylphthalate	**ND**		ug/l	1.5			ND	-		
Di-n-octylphthalate	**ND**		ug/l	1.5			ND	-		
Fluoranthene	**ND**		ug/l	1.5			ND	-		
Fluorene	**ND**		ug/l	1.5			ND	-		
Isophorone	**ND**		ug/l	3.5			ND	-		
N-Nitrosodi-n-propylamine	**ND**		ug/l	3.5			ND	-		
N-Nitrosodiphenylamine	**ND**		ug/l	3.5			ND	-		
Phenol	**ND**		ug/l	1.0			ND	-		
Pyrene	**ND**		ug/l	1.5			ND	-		
Bis(2-chloroisopropyl)ether	**ND**		ug/l	1.0			ND	-		
2,4-Dinitrotoluene	**ND**		ug/l	3.5			ND	-		
4,6-Dinitro-2-methylphenol	**ND**		ug/l	1.0			ND	-		
Naphthalene	**ND**		ug/l	1.5			ND	-		
1,2,4-Trichlorobenzene	**ND**		ug/l	3.5			ND	-		
1,2-Dichlorobenzene	**ND**		ug/l	1.0			ND	-		
1,2-Diphenylhydrazine	**ND**		ug/l	1.6			ND	-		
1,3-Dichlorobenzene	**ND**		ug/l	1.0			ND	-		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
E625.1/E625.1SIM										
Batch 506141A - E625.1										
Blank (CF58977-BLK)						Prepared: 13-Nov-19 Analyzed: 15-Nov-19				
1,4-Dichlorobenzene	**ND**		ug/l	1.0			ND	-		
2,4,5-Trichlorophenol	**ND**		ug/l	1.0			ND	-		
2,4,6-Trichlorophenol	**ND**		ug/l	1.0			ND	-		
2,4-Dichlorophenol	**ND**		ug/l	1.0			ND	-		
2,4-Dinitrophenol	**ND**		ug/l	1.0			ND	-		
2,6-Dichlorophenol	**ND**		ug/l	10			ND	-		
2,6-Dinitrotoluene	**ND**		ug/l	3.5			ND	-		
2-Chloronaphthalene	**ND**		ug/l	3.5			ND	-		
2-Chlorophenol	**ND**		ug/l	1.0			ND	-		
2-Methylnaphthalene	**ND**		ug/l	3.5			ND	-		
2-Methylphenol (o-cresol)	**ND**		ug/l	1.0			ND	-		
2-Nitroaniline	**ND**		ug/l	3.5			ND	-		
2-Nitrophenol	**ND**		ug/l	1.0			ND	-		
3&4-Methylphenol (m&p-cresol)	**ND**		ug/l	1.0			ND	-		
3,3'-Dichlorobenzidine	**ND**		ug/l	5.0			ND	-		
3-Nitroaniline	**ND**		ug/l	5.0			ND	-		
2,4-Dimethylphenol	**ND**		ug/l	1.0			ND	-		
Surrogate: % Phenol-d5	*60*		ug/l		*7.5*		*60*	*10-130*		
Surrogate: % 2-Fluorophenol	*47*		ug/l		*7.5*		*47*	*10-130*		
Surrogate: % 2-Fluorobiphenyl	*63*		ug/l		*5*		*63*	*30-130*		
Surrogate: % Nitrobenzene-d5	*70*		ug/l		*5*		*70*	*15-130*		
Surrogate: % 2,4,6-Tribromophenol	*73*		ug/l		*7.5*		*73*	*15-130*		
Surrogate: % Terphenyl-d14	*72*		ug/l		*5*		*72*	*30-130*		
LCS (CF58977-LCS)						Prepared: 13-Nov-19 Analyzed: 15-Nov-19				
Isophorone	**32.44**		ug/l	3.5	50		65	47-180		93
4-Chloroaniline	**38.47**		ug/l	3.5	50		77	30-130		20
4-Chlorophenyl phenyl ether	**38.82**		ug/l	1.0	50		78	38-145		61
4-Nitroaniline	**41.27**		ug/l	5.0	50		83	30-130		20
4-Nitrophenol	**46.70**		ug/l	1.0	50		93	13-129		131
Anthracene	**39.75**		ug/l	1.5	50		80	43-120		66
Benzidine	**47.30**		ug/l	4.5	50		95	30-130		20
Benzoic acid	**21.95**		ug/l	10	50		44	30-130		20
Benzyl alcohol	**32.51**		ug/l	5.0	50		65	30-130		20
Benzyl butyl phthalate	**44.59**		ug/l	1.5	50		89	10-140		60
Bis(2-chloroethoxy)methane	**33.16**		ug/l	3.5	50		66	49-165		54
Hexachloroethane	**23.83**	I	ug/l	3.5	50		48	55-120		52
Bis(2-chloroisopropyl)ether	**24.06**	I	ug/l	1.0	50		48	63-139		76
4-Chloro-3-methylphenol	**40.99**		ug/l	1.0	50		82	41-128		73
Bis(2-ethylhexyl)phthalate	**46.09**		ug/l	1.5	50		92	29-137		82
Dibenzofuran	**37.27**		ug/l	3.5	50		75	30-130		20
Diethyl phthalate	**42.54**		ug/l	1.5	50		85	10-120		100
Dimethylphthalate	**39.95**		ug/l	1.5	50		80	10-120		183
Di-n-butylphthalate	**45.19**		ug/l	1.5	50		90	8-120		47
Di-n-octylphthalate	**48.65**		ug/l	1.5	50		97	19-132		69
Fluoranthene	**41.68**		ug/l	1.5	50		83	43-121		66
Fluorene	**39.62**		ug/l	1.5	50		79	70-120		38
Bis(2-chloroethyl)ether	**26.29**		ug/l	1.0	50		53	43-126		108
2,6-Dinitrotoluene	**41.06**		ug/l	3.5	50		82	68-137		48
2,4-Dinitrophenol	**35.50**		ug/l	1.0	50		71	10-173		132
Naphthalene	**29.44**		ug/l	1.5	50		59	36-120		65

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
E625.1/E625.1SIM										
Batch 506141A - E625.1										
LCS (CF58977-LCS)						Prepared: 13-Nov-19 Analyzed: 15-Nov-19				
1,2,4-Trichlorobenzene	**28.60**		ug/l	3.5	50		57	57-130		50
1,2-Dichlorobenzene	**24.02**	r	ug/l	1.0	50		48	30-130		20
1,2-Diphenylhydrazine	**37.72**		ug/l	1.6	50		75	30-130		20
1,3-Dichlorobenzene	**23.27**	r	ug/l	1.0	50		47	46-154		20
1,4-Dichlorobenzene	**23.41**	r	ug/l	1.0	50		47	30-130		20
2,4,5-Trichlorophenol	**39.94**		ug/l	1.0	50		80	30-130		20
2,4,6-Trichlorophenol	**40.02**		ug/l	1.0	50		80	52-129		58
2,4-Dinitrotoluene	**41.21**		ug/l	3.5	50		82	48-127		42
2,6-Dichlorophenol	**29.25**		ug/l	10	50		59	30-130		20
4-Bromophenyl phenyl ether	**39.07**		ug/l	3.5	50		78	65-120		43
2-Chloronaphthalene	**35.46**		ug/l	3.5	50		71	65-120		24
2-Chlorophenol	**25.85**		ug/l	1.0	50		52	36-120		61
2-Methylnaphthalene	**31.81**		ug/l	3.5	50		64	30-130		20
2-Methylphenol (o-cresol)	**30.91**		ug/l	1.0	50		62	30-130		20
2-Nitroaniline	**60.95**		ug/l	3.5	50		122	30-130		20
2-Nitrophenol	**32.89**		ug/l	1.0	50		66	45-167		55
3&4-Methylphenol (m&p-cresol)	**34.75**		ug/l	1.0	50		70	30-130		20
3,3'-Dichlorobenzidine	**39.10**		ug/l	5.0	50		78	8-213		108
3-Nitroaniline	**50.20**		ug/l	5.0	50		100	30-130		20
4,6-Dinitro-2-methylphenol	**41.14**		ug/l	1.0	50		82	30-130		20
2,4-Dimethylphenol	**38.46**		ug/l	1.0	50		77	42-120		58
2,4-Dichlorophenol	**34.28**		ug/l	1.0	50		69	53-122		50
N-Nitrosodiphenylamine	**37.45**		ug/l	3.5	50		75	30-130		20
Phenol	**26.56**		ug/l	1.0	50		53	17-120		64
Pyrene	**42.14**		ug/l	1.5	50		84	70-120		49
N-Nitrosodi-n-propylamine	**35.10**		ug/l	3.5	50		70	14-198		87
Surrogate: % Terphenyl-d14	*36.66*		ug/l		*50*		*73*	*30-130*		
Surrogate: % 2-Fluorobiphenyl	*31.92*		ug/l		*50*		*64*	*30-130*		
Surrogate: % 2-Fluorophenol	*28.88*	r	ug/l		*75*		*39*	*10-130*		
Surrogate: % Nitrobenzene-d5	*28.70*		ug/l		*50*		*57*	*15-130*		
Surrogate: % Phenol-d5	*37.24*	r	ug/l		*75*		*50*	*10-130*		
Surrogate: % 2,4,6-Tribromophenol	*60.38*		ug/l		*75*		*81*	*15-130*		
LCS Dup (CF58977-LCSD)			**Source: CE58977-LCS**			Prepared: 13-Nov-19 Analyzed: 15-Nov-19				
2-Nitroaniline	**60.57**		ug/l	3.5	50		121	30-130	0.8	20
4-Bromophenyl phenyl ether	**40.61**		ug/l	3.5	50		81	65-120	3.8	43
4-Nitrophenol	**47.34**		ug/l	1.0	50		95	13-129	2.1	131
4-Chlorophenyl phenyl ether	**41.16**		ug/l	1.0	50		82	38-145	5.0	61
4-Chloroaniline	**39.40**		ug/l	3.5	50		79	30-130	2.6	20
4-Chloro-3-methylphenol	**41.63**		ug/l	1.0	50		83	41-128	1.2	73
4,6-Dinitro-2-methylphenol	**42.89**		ug/l	1.0	50		86	30-130	4.8	20
3-Nitroaniline	**51.08**		ug/l	5.0	50		102	30-130	2.0	20
3,3'-Dichlorobenzidine	**37.74**		ug/l	5.0	50		75	8-213	3.9	108
2-Nitrophenol	**35.86**		ug/l	1.0	50		72	45-167	8.7	55
Benzyl alcohol	**35.50**		ug/l	5.0	50		71	30-130	8.8	20
2-Methylphenol (o-cresol)	**32.87**		ug/l	1.0	50		66	30-130	6.3	20
2-Methylnaphthalene	**34.10**		ug/l	3.5	50		68	30-130	6.1	20
2-Chlorophenol	**30.93**		ug/l	1.0	50		62	36-120	17.5	61
3&4-Methylphenol (m&p-cresol)	**35.87**		ug/l	1.0	50		72	30-130	2.8	20
Di-n-butylphthalate	**45.48**		ug/l	1.5	50		91	8-120	1.1	47
Pyrene	**41.21**		ug/l	1.5	50		82	70-120	2.4	49

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
E625.1/E625.1SIM										
Batch 506141A - E625.1										
LCS Dup (CF58977-LCSD)			**Source: CE58977-LCS**		Prepared: 13-Nov-19 Analyzed: 15-Nov-19					
Phenol	**30.44**		ug/l	1.0	50		61	17-120	14.0	64
N-Nitrosodiphenylamine	**38.67**		ug/l	3.5	50		77	30-130	2.6	20
N-Nitrosodi-n-propylamine	**37.95**		ug/l	3.5	50		76	14-198	8.2	87
Naphthalene	**32.09**		ug/l	1.5	50		64	36-120	8.1	65
Isophorone	**35.05**		ug/l	3.5	50		70	47-180	7.4	93
Hexachloroethane	**28.75**		ug/l	3.5	50		57	55-120	17.1	52
Fluorene	**42.70**		ug/l	1.5	50		85	70-120	7.3	38
Benzidine	**52.71**		ug/l	4.5	50		105	30-130	10.0	20
Di-n-octylphthalate	**45.41**		ug/l	1.5	50		91	19-132	6.4	69
Benzoic acid	**24.90**		ug/l	10	50		50	30-130	12.8	20
Dimethylphthalate	**42.79**		ug/l	1.5	50		86	10-120	7.2	183
Diethyl phthalate	**44.40**		ug/l	1.5	50		89	10-120	4.6	100
Dibenzofuran	**39.46**		ug/l	3.5	50		79	30-130	5.2	20
Bis(2-ethylhexyl)phthalate	**43.18**		ug/l	1.5	50		86	29-137	6.7	82
Bis(2-chloroisopropyl)ether	**27.73**	I	ug/l	1.0	50		55	63-139	13.6	76
Bis(2-chloroethyl)ether	**28.20**		ug/l	1.0	50		56	43-126	5.5	108
Bis(2-chloroethoxy)methane	**36.34**		ug/l	3.5	50		73	49-165	10.1	54
Benzyl butyl phthalate	**43.79**		ug/l	1.5	50		88	10-140	1.1	60
4-Nitroaniline	**45.22**		ug/l	5.0	50		90	30-130	8.1	20
Fluoranthene	**40.63**		ug/l	1.5	50		81	43-121	2.4	66
Anthracene	**40.27**		ug/l	1.5	50		81	43-120	1.2	66
1,2-Dichlorobenzene	**29.52**	r	ug/l	1.0	50		59	30-130	20.6	20
1,2-Diphenylhydrazine	**40.27**		ug/l	1.6	50		81	30-130	7.7	20
2,4,6-Trichlorophenol	**42.70**		ug/l	1.0	50		85	52-129	6.1	58
1,3-Dichlorobenzene	**29.16**	r	ug/l	1.0	50		58	46-154	21.0	20
1,4-Dichlorobenzene	**28.85**	r	ug/l	1.0	50		58	30-130	21.0	20
1,2,4-Trichlorobenzene	**31.86**		ug/l	3.5	50		64	57-130	11.6	50
2,4,5-Trichlorophenol	**44.55**		ug/l	1.0	50		89	30-130	10.7	20
2,4-Dichlorophenol	**36.38**		ug/l	1.0	50		73	53-122	5.6	50
2,4-Dimethylphenol	**42.60**		ug/l	1.0	50		85	42-120	9.9	58
2,4-Dinitrophenol	**38.55**		ug/l	1.0	50		77	10-173	8.1	132
2,4-Dinitrotoluene	**41.65**		ug/l	3.5	50		83	48-127	1.2	42
2,6-Dichlorophenol	**32.43**		ug/l	10	50		65	30-130	9.7	20
2,6-Dinitrotoluene	**44.58**		ug/l	3.5	50		89	68-137	8.2	48
2-Chloronaphthalene	**38.33**		ug/l	3.5	50		77	65-120	8.1	24
Surrogate: % 2,4,6-Tribromophenol	*64.09*		ug/l		*75*		*85*	*15-130*		
Surrogate: % Terphenyl-d14	*35.04*		ug/l		*50*		*70*	*30-130*		
Surrogate: % Phenol-d5	*41.01*		ug/l		*75*		*55*	*10-130*		
Surrogate: % Nitrobenzene-d5	*32.47*		ug/l		*50*		*65*	*15-130*		
Surrogate: % 2-Fluorobiphenyl	*35.62*		ug/l		*50*		*71*	*30-130*		
Surrogate: % 2-Fluorophenol	*36.31*	r	ug/l		*75*		*48*	*10-130*		
SM 2540D-11										
Batch 506041A - SM 2540D-11										
Blank (CE58178-BLK)					Prepared & Analyzed: 13-Nov-19					
Total Suspended Solids	< 2.5		mg/l	2.5	48		BRL	-		
LCS (CE58178-LCS)					Prepared & Analyzed: 13-Nov-19					
Total Suspended Solids	**44.00**		mg/l	2.5	48		92	85-115		
SM2540C-11										
Batch 506258A - SM2540C-11										

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SM2540C-11										
Batch 506258A - SM2540C-11										
Blank (CE58264-BLK)						Prepared & Analyzed: 14-Nov-19				
Tot. Diss. Solids	< 10		mg/l	10	602		BRL	-		
LCS (CE58264-LCS)						Prepared & Analyzed: 14-Nov-19				
Tot. Diss. Solids	**595.0**		mg/l	10	602		99	85-115		20
SM3500CRB-11										
Batch 505986A - SM3500CRB										
Blank (CE58977-BLK)						Prepared & Analyzed: 12-Nov-19				
Chromium, Hexavalent	< 0.01		mg/l	0.01			BRL	-		
Duplicate (CE58977-DUP)			**Source: SC56741-01**			Prepared & Analyzed: 12-Nov-19				
Chromium, Hexavalent	< 0.01		mg/l	0.01		BRL		-		30
LCS (CE58977-LCS)						Prepared & Analyzed: 12-Nov-19				
Chromium, Hexavalent	**0.2552**		mg/l	0.01	0.25		102	90-110		30
Matrix Spike (CE58977-MS)			**Source: SC56741-01**			Prepared & Analyzed: 12-Nov-19				
Chromium, Hexavalent	**0.5477**		mg/l	0.01	0.5	BRL	110	85-115		30
SM4500Cl-G-00										
Batch 505985A - SM4500Cl-G										
Blank (CE58486-BLK)						Prepared & Analyzed: 12-Nov-19				
Chlorine Residual	< 0.02		mg/l	0.02			BRL	-		
LCS (CE58486-LCS)						Prepared & Analyzed: 12-Nov-19				
Chlorine Residual	**0.3087**		mg/l	0.02	0.2909		106	-		
SW846-React cyanide										
Batch 506038A - SW846-React										
Blank (CE58360-BLK)						Prepared & Analyzed: 13-Nov-19				
Reactivity Cyanide	< 0.05		mg/kg	0.05			BRL	-		
LCS (CE58360-LCS)						Prepared & Analyzed: 13-Nov-19				
Reactivity Cyanide	**0.4300**		mg/kg	0.05	0.45		95.6	80-120		20
SW9010C/SW9012B										
Batch 505994A - SM 4500 CN										
Blank (CE56704-BLK)						Prepared: 12-Nov-19 Analyzed: 14-Nov-19				
Total Cyanide	< 0.010		mg/l	0.010			BRL	-		
LCS (CE56704-LCS)						Prepared: 12-Nov-19 Analyzed: 14-Nov-19				
Total Cyanide	**0.4240**		mg/l	0.010	0.429		98.8	90-110		30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
1664B										
Batch 505862 - 1664B										
Blank (506020-1)						Prepared & Analyzed: 21-Nov-19				
TPH (1664A)	< 5.0		mg/l	5.0				-		
LCS (506020-2)						Prepared & Analyzed: 21-Nov-19				
TPH (1664A)	**13.60**		mg/l	5.0	20.0		68	64-132		
200.7 Rev 4.4										
Batch 505264 - 200.7										
Blank (505545-20)						Prepared & Analyzed: 19-Nov-19				
Iron	< 0.050		mg/l	0.050				-		
LCS (505545-21)						Prepared & Analyzed: 19-Nov-19				
Iron	**9.97**		mg/l	0.050	10.0		100	85-115		
200.8										
Batch 505265 - 200.8										
Blank (505759-13)						Prepared: 19-Nov-19 Analyzed: 20-Nov-19				
Antimony	< 1.0		ug/l	1.0				-		
Arsenic	< 1.0		ug/l	1.0				-		
Cadmium	< 0.50		ug/l	0.50				-		
Zinc	< 10		ug/l	10				-		
Thallium	< 0.20		ug/l	0.20				-		
Silver	< 0.50		ug/l	0.50				-		
Selenium	< 1.0		ug/l	1.0				-		
Nickel	< 1.0		ug/l	1.0				-		
Lead	< 1.0		ug/l	1.0				-		
Chromium	< 1.5		ug/l	1.5				-		
LCS (505759-17)						Prepared: 19-Nov-19 Analyzed: 20-Nov-19				
Zinc	**50.5**		ug/l	10	50.0		101	85-115		
Thallium	**19.6**		ug/l	0.20	20.0		98	85-115		
Silver	**19.9**		ug/l	0.50	20.0		100	85-115		
Selenium	**21.9**		ug/l	1.0	20.0		110	85-115		
Nickel	**19.5**		ug/l	1.0	20.0		97	85-115		
Lead	**19.8**		ug/l	1.0	20.0		99	85-115		
Chromium	**20.5**		ug/l	1.5	20.0		102	85-115		
Arsenic	**21.0**		ug/l	1.0	20.0		105	85-115		
Antimony	**24.3**	*	ug/l	1.0	20.0		122	85-115		
Cadmium	**19.7**		ug/l	0.50	20.0		99	85-115		
Blank (506105-13)						Prepared: 19-Nov-19 Analyzed: 21-Nov-19				
Copper	< 1.0		ug/l	1.0				-		
Beryllium	< 0.70		ug/l	0.70				-		
LCS (506105-14)						Prepared: 19-Nov-19 Analyzed: 21-Nov-19				
Copper	**21.0**		ug/l	1.0	20.0		105	85-115		
Beryllium	**20.8**		ug/l	0.70	20.0		104	85-115		
245.1										
Batch 505356 - 245.1										
Blank (505492-42)						Prepared & Analyzed: 19-Nov-19				
Mercury	< 0.00020		mg/l	0.00020				-		
LCS (505492-43)						Prepared & Analyzed: 19-Nov-19				
Mercury	**0.00690**		mg/l	0.00020	0.00667		103	85-115		
608.3										
Batch 504677 - 3510C										
Blank (505081-33)						Prepared: 15-Nov-19 Analyzed: 18-Nov-19				

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
608.3										
Batch 504677 - 3510C										
Blank (505081-33)						Prepared: 15-Nov-19 Analyzed: 18-Nov-19				
PCB-1221	< 0.060		ug/l	0.060				-		
PCB-1254	< 0.060		ug/l	0.060				-		
PCB-1268	< 0.060		ug/l	0.060				-		
PCB-1260	< 0.060		ug/l	0.060				-		
PCB-1262	< 0.060		ug/l	0.060				-		
PCB-1016	< 0.060		ug/l	0.060				-		
PCB-1232	< 0.060		ug/l	0.060				-		
PCB-1242	< 0.060		ug/l	0.060				-		
PCB-1248	< 0.060		ug/l	0.060				-		
Surrogate: Tetrachloro-m-xylene (Surr)	*0.0928*	p	ug/l		*0.200*		*46*	*42-135*		
Surrogate: DCB Decachlorobiphenyl	*0.167*		ug/l		*0.200*		*84*	*36-121*		
LCS (505081-34)						Prepared: 15-Nov-19 Analyzed: 18-Nov-19				
PCB-1260	**0.801**		ug/l	0.060	1.00		80	69-120		
PCB-1016	**0.910**		ug/l	0.060	1.00		91	69-123		
Surrogate: Tetrachloro-m-xylene (Surr)	*0.134*		ug/l		*0.200*		*67*	*42-135*		
Surrogate: DCB Decachlorobiphenyl	*0.163*		ug/l		*0.200*		*82*	*36-121*		
LCS Dup (505081-35)						Prepared: 15-Nov-19 Analyzed: 18-Nov-19				
PCB-1016	**0.982**		ug/l	0.060	1.00		98	69-123	8	30
PCB-1260	**0.881**		ug/l	0.060	1.00		88	69-120	10	30
Surrogate: Tetrachloro-m-xylene (Surr)	*0.150*		ug/l		*0.200*		*75*	*42-135*		
Surrogate: DCB Decachlorobiphenyl	*0.179*		ug/l		*0.200*		*90*	*36-121*		
624.1										
Batch 505133 - 624										
LCS (505133-5)						Prepared & Analyzed: 18-Nov-19				
Ethylbenzene	**18.9**		ug/l	5.0	20.0		95	37-162		
1,1,2-Trichloroethane	**19.5**		ug/l	5.0	20.0		98	52-150		
1,1-Dichloroethane	**19.4**		ug/l	5.0	20.0		97	59-155		
1,1-Dichloroethene	**18.3**		ug/l	5.0	20.0		91	1-234		
1,2-Dichlorobenzene	**19.4**		ug/l	5.0	20.0		97	18-190		
1,2-Dichloroethane	**20.0**		ug/l	5.0	20.0		100	49-155		
1,3-Dichlorobenzene	**19.4**		ug/l	5.0	20.0		97	59-156		
1,4-Dichlorobenzene	**19.3**		ug/l	5.0	20.0		96	18-190		
1,4-Dioxane	**492**		ug/l	200	400		123	10-208		
Benzene	**19.0**		ug/l	5.0	20.0		95	37-151		
Tetrachloroethene	**18.2**		ug/l	5.0	20.0		91	64-148		
cis-1,2-Dichloroethene	**20.5**		ug/l	5.0	20.0		103	50-150		
1,1,1-Trichloroethane	**20.3**		ug/l	5.0	20.0		102	52-162		
Methyl tert-butyl ether	**21.3**		ug/l	5.0	20.0		107	78-118		
Methylene Chloride	**20.8**		ug/l	5.0	20.0		104	1-221		
m-Xylene & p-Xylene	**18.3**		ug/l	10	20.0		92	79-120		
Acetone	**0.110**		ug/l	2.5	0.100		110	21-161		
o-Xylene	**18.7**		ug/l	5.0	20.0		93	79-120		
Vinyl chloride	**18.0**		ug/l	5.0	20.0		90	1-251		
Trichloroethylene	**19.0**		ug/l	5.0	20.0		95	71-157		
Toluene	**18.5**		ug/l	5.0	20.0		93	47-150		
Carbon tetrachloride	**20.3**		ug/l	5.0	20.0		102	70-140		
Surrogate: 4-Bromofluorobenzene (Surr)	*33.1*		ug/l		*30.0*		*110*	*76-123*		
Surrogate: 1,2-Dichloroethane-d4 (Surr)	*32.3*		ug/l		*30.0*		*108*	*68-130*		
Surrogate: Toluene-d8 (Surr)	*31.3*		ug/l		*30.0*		*104*	*77-120*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
624.1										
Batch 505133 - 624										
Blank (505133-7)						Prepared & Analyzed: 18-Nov-19				
1,3-Dichlorobenzene	< 5.0		ug/l	5.0				-		
Carbon tetrachloride	< 5.0		ug/l	5.0				-		
1,2-Dichlorobenzene	< 5.0		ug/l	5.0				-		
1,1-Dichloroethene	< 5.0		ug/l	5.0				-		
1,1-Dichloroethane	< 5.0		ug/l	5.0				-		
1,1,2-Trichloroethane	< 5.0		ug/l	5.0				-		
1,1,1-Trichloroethane	< 5.0		ug/l	5.0				-		
1,4-Dichlorobenzene	< 5.0		ug/l	5.0				-		
1,2-Dichloroethane	< 5.0		ug/l	5.0				-		
1,4-Dioxane	< 200		ug/l	200				-		
Benzene	< 5.0		ug/l	5.0				-		
Acetone	< 2.5		ug/l	2.5				-		
cis-1,2-Dichloroethene	< 5.0		ug/l	5.0				-		
Toluene	< 5.0		ug/l	5.0				-		
Vinyl chloride	< 5.0		ug/l	5.0				-		
Trichloroethylene	< 5.0		ug/l	5.0				-		
Total BTEX	< 10		ug/l	10				-		
Ethylbenzene	< 5.0		ug/l	5.0				-		
Tetrachloroethene	< 5.0		ug/l	5.0				-		
o-Xylene	< 5.0		ug/l	5.0				-		
m-Xylene & p-Xylene	< 10		ug/l	10				-		
Methylene Chloride	< 5.0		ug/l	5.0				-		
Methyl tert-butyl ether	< 5.0		ug/l	5.0				-		
Surrogate: 1,2-Dichloroethane-d4 (Surr)	*32.1*		ug/l		*30.0*		*107*	*68-130*		
Surrogate: 4-Bromofluorobenzene (Surr)	*32.9*		ug/l		*30.0*		*110*	*76-123*		
Surrogate: Toluene-d8 (Surr)	*31.1*		ug/l		*30.0*		*104*	*77-120*		
8011										
Batch 505354 - 8011										
Blank (505221-60)						Prepared & Analyzed: 19-Nov-19				
Ethylene Dibromide	< 0.011		ug/l	0.011				-		
LCS (505221-61)						Prepared & Analyzed: 19-Nov-19				
Ethylene Dibromide	**0.125**		ug/l	0.011	0.112		111	46-150		
LCS Dup (505221-62)						Prepared & Analyzed: 19-Nov-19				
Ethylene Dibromide	**0.115**		ug/l	0.011	0.113		102	46-150	8	40

Notes and Definitions

*	LCS or LCSD is outside acceptance limits.
*a	Outside of specification
B	Compound was found in the blank and sample.
l	This parameter is outside laboratory lcs/lcsd specified recovery limits.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
r	This parameter is outside laboratory rpd specified recovery limits.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference
[2C]	Indicates concentration was reported from the secondary, confirmation column.
ClHT	The method for residual chlorine indicates that samples should be analyzed immediately. 40 CFR 136 specifies a holding time of 15 minutes from sampling to analysis. Therefore all aqueous residual chlorine samples not analyzed in the field are considered out of hold time at the time of sample receipt.

Interpretation of Total Petroleum Hydrocarbon Report

Petroleum identification is determined by comparing the GC fingerprint obtained from the sample with a library of GC fingerprints obtained from analyses of various petroleum products. Possible match categories are as follows:

Gasoline - includes regular, unleaded, premium, etc.
Fuel Oil #2 - includes home heating oil, #2 fuel oil, and diesel
Fuel Oil #4 - includes #4 fuel oil
Fuel Oil #6 - includes #6 fuel oil and bunker "C" oil
Motor Oil - includes virgin and waste automobile oil
Ligroin - includes mineral spirits, petroleum naphtha, vm&p naphtha
Aviation Fuel - includes kerosene, Jet A and JP-4
Other Oil - includes lubricating and cutting oil, and silicon oil

At times, the unidentified petroleum product is quantified using a calibration that most closely approximates the distribution of compounds in the sample. When this occurs, the result is qualified as Calculated as.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

SS56741 By

eurofins | Spectrum Analytical

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☒ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: ATC W. Springfield
Telephone #: 413 781 0070
Project Mgr: Alexandra Riddle

Invoice To: CFI
P.O No.: _____ Quote #: _____

Project No: MA8499G
Site Name: CFI N. ADAMS
Location: 227 Ashland St State: MA
Sampler(s): KK

F=Field Filtered 1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11=_____ 12=_____

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1=_____ X2=_____ X3=_____

G= Grab C=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Ammonia, Hardness	Analysis: 6010 Total Metals	IRON, CHLORIDE, TRL (1)	VOC-624, VOC 8260	SVOLS SIM 625	SVOC 8270 (2) VOC 524, 524.2	IRON, HEXAVALENT 196, PCBs 608	Cyanide 4500	Reactivity	Pentachlorophenol	TSS TDS TPH 1664 Ethanol 1666	Check if chlorinated
SC56741.01	MW-1	11/12/19	11:11	G	GW	10	6		6	X	X	X	X	X	X	X	X	X	X	X	☐
.02	OUTFALL	11/12/19	12:30	G	SE				3	X	X										☐
																					☐
																					☐
																					☐
																					☐
																					☐
																					☐
																					☐
																					☐

List Preservative Code below:

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? ☐ Yes ☐ No
CT DPH RCP Report? ☐ Yes ☐ No
☐ Standard ☐ No QC ☐ DQA*
☐ ASP A* ☐ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other: _____
State-specific reporting standards:

(1) Lowest RLs possible
(2) TBA & TAME only by 524

Relinquished by:	Received by:	Date:	Time:	Temp °C
Katerina Kovalov		11/12/19	14:43	Observed 2.3
				Correction Factor +1
				Corrected 3.3
				IR ID # 7

☐ EDD format: _____
☑ E-mail to: alexandra.riddle@atcgs.com

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☑ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

- Influent Samples

1. Chemical-Specific Effluent Limitations in Massachusetts and New Hampshire
During the period beginning on the effective date and lasting through the expiration date, EPA will authorize the discharges under Part 1.1 of this general permit to receiving waters in Massachusetts and New Hampshire. The effective date of authorization for each discharge covered under this general permit is the date indicated in EPA's written authorization to discharge, lasting through the expiration date of this general permit or written termination of coverage, whichever occurs first. Each discharge shall be limited and monitored as specified in Table 2, below. The applicability of effluent limitations for each Activity Category listed in Table 1 is included in footnote 2, below. Additional limitations and monitoring requirements are specified in Parts 2.2 through 2.5 and Part 4, below.

Table 2: Chemical-Specific Effluent Limitations and Monitor-Only Requirements[1]

Parameter[2] /Method / RL	Effluent Limitation[3,4]	
	TBEL[5]	WQBEL[6]
A. Inorganics ~~and present~~ ALL		
Ammonia[7] 350.1 / 0.1 ug/L or 0.0001 mg/L	Report mg/L	
Chloride[8] 300.0 / 1000 ug/L or 1.0 mg/L	Report µg/L	
Total Residual Chlorine[9] SM4500-Cl-G (11) / 0.02 mg/L	0.2 mg/L	FW= 11 µg/L SW= 7.5 µg/L
Total Suspended Solids SM2540 D / 5 mg/L	30 mg/L	
Antimony[10] 200.8 / 0.5 ug/L	206 µg/L	640 µg/L in MA 4.3 mg/L in NH
Arsenic[10] 200.8 / 0.5 ug/L	104 µg/L	FW= 10 µg/L SW= 36 µg/L
Cadmium[11,12] 200.8 / 0.5 ug/L	10.2 µg/L	FW= 0.25 µg/L SW= 8.8 µg/L in MA SW= 9.3 µg/L in NH
Chromium III[11,12] Calculation / 10 ug/L	323 µg/L	FW= 74 µg/L SW= 100 µg/L
Chromium VI[11,13] 7196 / 5 ug/L	323 µg/L	FW= 11 µg/L SW= 50 µg/L
Copper[11,12] 200.8 / 0.5 ug/L	242 µg/L	FW= 9 µg/L SW= 3.1 µg/L
Iron[10] 200.7 / 30 ug/L	5,000 µg/L	FW = 1,000 µg/L
Lead[11,12] 200.8 / 0.5 ug/L	160 µg/L	FW= 2.5 µg/L SW= 8.1 µg/L
Mercury[11] 245.1 / 0.2 ug/L	0.739 µg/L	FW= 0.77 µg/L SW= 0.94 µg/L
Nickel[11,12] 200.8 / 0.5 ug/L	1,450 µg/L	FW= 52 µg/L SW= 8.2 µg/L
Selenium 200.8 / 0.5 ug/L	235.8 µg/L	FW= 5.0 µg/L[10] SW= 71 µg/L[11]
Silver[11,12] 200.8 / 0.5ug/L	35.1 µg/L	FW= 3.2 µg/L SW= 1.9 µg/L
Zinc[11,12] 200.8 / 0.5 ug/L	420 µg/L	FW= 120 µg/L SW= 81 µg/L

Parameter[2]	Effluent Limitation[3,4]	
	TBEL[5]	WQBEL[6]
Cyanide[14] 335.4 / 5.0 ug/L	178 mg/L	FW = 5.2 µg/L SW = 1.0 µg/L
B. Non-Halogenated Volatile Organic Compounds -Any present		
Total BTEX[15] 624 / BTEX reported as ind. cmpds.	100 µg/L	
Benzene[15] 624 / 1 ug/L	5.0 µg/L	
1,4 Dioxane[16] 624 / 20 ug/L or 8260 SIM / 0.5 ug/L	200 µg/L	
Acetone 624 / 10 ug/L	7.97 mg/L	
Phenol 625 / 5 ug/L	1,080 µg/L	300 µg/L
C. Halogenated Volatile Organic Compounds -If present		
Carbon Tetrachloride 624 / 1 ug/L	4.4 µg/L	1.6 µg/L in MA
1,2 Dichlorobenzene 624 / 1 ug/L	600 µg/L	
1,3 Dichlorobenzene 624 / 1 ug/L	320 µg/L	
1,4 Dichlorobenzene 624 / 1 ug/L	5.0 µg/L	
Total dichlorobenzene reported as individ. cmpds	763 µg/L in NH	
1,1 Dichloroethane 624 / 1 ug/L	70 µg/L	
1,2 Dichloroethane 624 / 1 ug/L	5.0 µg/L	
1,1 Dichloroethylene 624 / 1 ug/L	3.2 µg/L	
Ethylene Dibromide[17] 8260 / 0.5 ug/L *need 8011 or 504.1 to achieve RL	0.05 µg/L	
Methylene Chloride 624 / 10 ug/L *2ug/L when requested	4.6 µg/L	
1,1,1 Trichloroethane 624 / 1 ug/L	200 µg/L	
1,1,2 Trichloroethane 624 / 1 ug/L	5.0 µg/L	
Trichloroethylene 624 / 1 ug/L	5.0 µg/L	
Tetrachloroethylene 624 / 1 ug/L	5.0 µg/L	3.3 µg/L in MA
cis-1,2 Dichloroethylene 624 / 1 ug/L	70 µg/L	
Vinyl Chloride 624 / 1 ug/L	2.0 µg/L	
D. Non-Halogenated Semi-Volatile Organic Compounds -Any present		
Total Phthalates[18] 625 / Phthalates reported indivic.	190 µg/L	FW = 3.0 µg/L in NH SW = 3.4 µg/L in NH
Diethylhexyl phthalate[18] 625 / 5 ug/L	101 µg/L	2.2 µg/L in MA 5.9 µg/L in NH
Total Group I Polycyclic Aromatic Hydrocarbons[19] 625 SIM	1.0 µg/L	As Individual PAHs
Benzo(a)anthracene[19] 625 / 0.05 ug/L	As Total Group I PAHs	0.0038 µg/L
Benzo(a)pyrene[19] 625 / 0.05 ug/L		0.0038 µg/L
Benzo(b)fluoranthene[19] 625 / 0.05 ug/L		0.0038 µg/L
Benzo(k)fluoranthene[19] 625 / 0.05 ug/L		0.0038 µg/L
Chrysene[19] 625 / 0.05 ug/L		0.0038 µg/L
Dibenzo(a,h)anthracene[19] 625 / 0.05 ug/L		0.0038 µg/L
Indeno(1,2,3-cd)pyrene[19] 625 / 0.05 ug/L		0.0038 µg/L
Total Group II Polycyclic Aromatic Hydrocarbons[20]	100 µg/L	
Naphthalene[20] 625 / 0.05 ug/L	20 µg/L	
E. Halogenated Semi-Volatile Organic Compounds -If present		
Total Polychlorinated Biphenyls[21] 608 / 0.2 ug/L reported individ.	0.000064 µg/L	
Pentachlorophenol 625 / 1.0 ug/L	1.0 µg/L	

Parameter[2]	Effluent Limitation[3,4]	
	TBEL[5]	WQBEL[6]
F. Fuels Parameters — any present		
Total Petroleum Hydrocarbons[22] 1664 / 1.0 mg/L	5.0 mg/L	
Ethanol[23] 8015 / 1 mg/L or 524 / 200 ug/L	Report mg/L	
Methyl-tert-Butyl Ether[24] 624 / 1.0 ug/L	70 µg/L	20 µg/L in MA
tert-Butyl Alcohol 524 / 10 ug/L	120 µg/L in MA 40 µg/L in NH	
tert-Amyl Methyl Ether[24] 524 / 0.5 ug/L	90 µg/L in MA 140 µg/L in NH	

Table 2 Footnotes:

[1] The following abbreviations are used in Table 2, above:
- [a] TBEL = technology-based effluent limitation
- [b] WQBEL = water quality-based effluent limitation
- [c] mg/L = milligrams per liter
- [d] avg = average
- [e] µg/L = micrograms per liter
- [f] FW = freshwater
- [g] SW = saltwater

[2] The sample type required for all parameters is grab. Grab samples must be analyzed individually and cannot be composited. See Appendix IX for additional definitions.

[3] The effluent limitation and/or monitor-only requirement for any parameter listed applies to any site if the given parameter is present at that site. The effluent limitations and monitor-only requirements also apply to Activity Categories as follows:

[a] Activity Category I:
all parameters in contamination type A. Inorganics;
any present in contamination type B. non-halogenated VOCs;
if present in contamination type C. halogenated VOCs;
any present in contamination type D. non-halogenated SVOCs;
if present in contamination type E. halogenated SVOCs; and
any present in contamination type F. fuels parameters.

[b] Activity Category II:
all parameters in contamination type A. Inorganics;
any present in contamination type B. non-halogenated VOCs;
any present in contamination type C. halogenated VOCs;
any present in contamination type D. non-halogenated SVOCs;
if present in contamination type E. halogenated SVOCs; and
if present in contamination type F. fuels parameters.

Batch Summary

'[none]'

Subcontracted Analyses

SC56741-01 (MW-1)

504677

Subcontracted Analyses

505081-33
505081-34
505081-35
SC56741-01 (MW-1)

505133

Subcontracted Analyses

505133-5
505133-7
SC56741-01 (MW-1)

505264

Subcontracted Analyses

505545-20
505545-21
SC56741-01 (MW-1)

505265

Subcontracted Analyses

505759-13
505759-17
506105-13
506105-14
SC56741-01 (MW-1)
SC56741-01RE1 (MW-1)
SC56741-02 (Outfall)
SC56741-02RE1 (Outfall)

505354

Subcontracted Analyses

505221-60
505221-61
505221-62
SC56741-01 (MW-1)

505356

Subcontracted Analyses

505492-42
505492-43
SC56741-01 (MW-1)
SC56741-02 (Outfall)

505862

Subcontracted Analyses

506020-1
506020-2
SC56741-01 (MW-1)

505985A

Subcontracted Analyses

CE58486-BLK
CE58486-LCS
SC56741-01 (MW-1)

505986A

Subcontracted Analyses

CE58977-BLK
CE58977-DUP
CE58977-LCS
CE58977-MS
SC56741-01 (MW-1)

505994A

Subcontracted Analyses

CE56704-BLK
CE56704-LCS
SC56741-01 (MW-1)

506038A

Subcontracted Analyses

CE58360-BLK
CE58360-LCS
SC56741-01 (MW-1)

506041A

Subcontracted Analyses

CE58178-BLK
CE58178-LCS
SC56741-01 (MW-1)

506131A

Subcontracted Analyses

CE57383-BLK
CE57383-LCS
SC56741-01 (MW-1)
SC56741-02 (Outfall)

506141A

Subcontracted Analyses

CE58977-BLK
CE58977-LCS
CE58977-LCSD
CF58977-BLK
CF58977-LCS
CF58977-LCSD
SC56741-01 (MW-1)
SC56741-01RE1 (MW-1)

506258A

Subcontracted Analyses

CE58264-BLK
CE58264-LCS
SC56741-01 (MW-1)

506339A

Subcontracted Analyses

CE59614-BLK
CE59614-LCS
SC56741-01 (MW-1)

506512A

Subcontracted Analyses

CE59290-BLK
CE59290-LCS
CE59290-LCSD
SC56741-01 (MW-1)

506759

Subcontracted Analyses

SC56741-01 (MW-1)
SC56741-02 (Outfall)