

Transmitted via Electronic Mail

Mr. Chris Black
U.S. Environmental Protection Agency – Region 5
Land and Chemicals Division
77 W. Jackson Blvd. DE-97
Chicago, IL 60604-3590

Arcadis of Michigan, LLC
28550 Cabot Drive
Suite 500
Novi
Michigan 48377
Tel 248 994 2240
Fax 248 994 2241
www.arcadis.com

Subject:

Third Quarter 2015 Progress Report (No. 17)
Revitalizing Auto Communities Environmental Response (RACER) Trust
Buick City Site, Flint, Michigan

Reference:

B0064410.2015

Date:

10/14/2015

Dear Mr. Black:

On behalf of Revitalizing Auto Communities Environmental Response Trust (RACER), Arcadis is submitting this Third Quarter 2015 Progress Report (No. 17) in accordance with Section VI (18b) of the RACER Trust's Administrative Order on Consent (Consent Order), Docket Number RCRA-05-2011-0024 for the Buick City Site located in Flint, Michigan (the Site), which was effective on September 29, 2011.

Please note that in accordance with General Motors Corporation's Administrative Order on Consent Number R8H-5-00-02 for the North American Operations [NAO] Flint Operations Site (also known as Buick City) Quarterly Progress Reports No.1 through 46 were submitted to the United States Environmental Protection Agency (EPA) documenting Site activities from January 1, 2000 through June 30, 2011.

This Third Quarter 2015 Progress Report (No. 17) covers the period of July 1, 2015 through September 30, 2015.

The following briefly summarizes the work performed and data collected, problems encountered, project schedule, and estimated percent complete for a list of activities.

1. Data Collected This Quarter

The samples collected as part of Site investigation or monitoring activities during this quarter are discussed below. This data will be presented to the EPA in the 2015 Annual CMI Report, except as noted below.

1.1 Storm Sewer Water Samples

As required per Part 1, Section A 2 in the current National Pollution Discharge Elimination System (NPDES) Permit No. MI0001597, weekly composite samples were collected from Monitoring Point 003A. This data will be included in the 2015 Yearly Pollutant Minimization Plan (PMP) for PCBs report, which will be submitted to the Michigan Department of Environmental Quality (MDEQ) as required in the NPDES permit.

1.2 Soil Samples

In July, August and September, Arcadis collected soil samples as part of the Supplemental Corrective Measures Investigation (SCMI) to delineate and characterize the impacts in soil. A total of 20 soil samples were collected from soil boring locations and submitted for laboratory analysis of PCBs.

1.3 LNAPL Samples

In July, August and September, Arcadis collected LNAPL samples as part of the Supplemental Corrective Measures Investigation (SCMI) to delineate and characterize PCB impacts in LNAPL. A total of three LNAPL samples were collected from temporary well locations and submitted for laboratory analysis of PCBs.

1.4 Groundwater Samples

Arcadis collected 53 samples as part of the annual groundwater sampling event and to characterize 1,4-dioxane in groundwater at the Site. The groundwater samples were submitted for laboratory analysis of VOCs, SVOCs, select metals and/or PCBs.

1.5 Vapor Intrusion Samples

One soil gas sample was collected to evaluate the vapor intrusion pathway along the Site property boundary. The sample was submitted for laboratory analysis of methane.

2. Work Performed This Quarter

Attachments 1, 2, and 3 present the monthly Site progress reports for July, August, and September that document the work performed this quarter.

3. Problems Encountered

No problems were encountered.

4. Project Schedule – Near-Term Milestone Activities Anticipated During the Next Quarter

A projected field work schedule for the fourth quarter of 2015 and first quarter of 2016 is included in Attachment 4.

4.1 Routine Work

Task 1 Outfall 003/004 Oil Removal Systems

- Continue OMM inspections of system.

Task 6 Maintain Booms on Outfalls

- Continue to perform inspections and maintenance (as necessary) of Outfalls 002, 003, 004, and 005. Dispose of waste as necessary.
- Continue to perform inspections of Oil Interceptor #2.

Task 12 Agency Coordination/Negotiation, Reporting, Project Management

- Continue to participate in regulatory agency calls.

- Prepare Quarterly Report for submittal to EPA.

Task 17 Outfall 003A Weekly Sampling

- Continue Outfall 003A weekly sample collection.
- Continue quarterly P-trap inspections.
- Continue semi-annual SWPPP inspections.

Task 19 Remedy Design, Implementation and OM&M

- Generate and submitted monthly POTW report to the City of Flint and monthly air report to MDEQ for the AOI-09B system.
- Continue OM&M phase of Outfall 002 passive recovery trench.

4.2 Non-Routine Work

Task 2 LNAPL Investigation

- Complete additional SCMI investigation of LNAPL areas and impacts.

Task 3 LNAPL Recovery Bench and Field-Scale Testing

- Develop vapor intrusion work plan and conduct investigation activities.
- Finalize and submit the AOI 36 Pilot Test Summary Report.

Task 7 Enhanced Groundwater Monitoring

- Review data from 2015 annual groundwater sampling event and begin preparation of report.
- Develop a work plan for additional 1,4-Dioxane investigations and implement field activities.

Task 8 NPDES PLUS Monitoring

- Complete the evaluation of the Factory 84 investigation.
- Complete the Outfall 013 dry weather flow sampling.

Task 12 Agency Coordination/Negotiation, Reporting, Project Management

- Draft 2016 Annual Budget.

Task 18 Address Soil Impacts

- Complete the AOI 81-2 Impacted Soil Remedy Work Plan.

Task 19 Remedy Design, Implementation and OM&M

- Complete the Outfall 003 infiltration elimination options memo.

- Continue evaluation of Outfall 003 remedy options.
- Begin design of the downstream Outfall 004 infiltration elimination options.
- Continue evaluation of the AOI 83/84-5 remedy options.

5. Estimated Percent Complete

- Task 1 Outfall 003/004 Oil Removal Systems*
- Outfall 003/004 Oil removal System OM&M – Ongoing
- Task 2 LNAPL Investigation*
- LNAPL LIF Investigations – 100%
 - Southend Natural Source Zone Depletion Study – 100%
 - Southend Transmissivity Testing – 100%
 - Northend Natural Source Zone Depletion Study – 90%
 - Northend Transmissivity Testing – 85%
 - Additional LNAPL Investigation – 80%
- Task 3 LNAPL Recovery Bench and Field-Scale Testing*
- LNAPL Bench Scale Testing – 25%
 - LNAPL Pilot Scale Testing – 66%
- Task 7 Enhanced Groundwater Monitoring*
- Groundwater Monitoring – Ongoing
- Task 8 NPDES PLUS Monitoring*
- NPDES PLUS Monitoring – Ongoing
- Task 9 RCRA Closures, Well Abandonment, Restrictive Covenants, Resolve UST Issues*
- Northend RCRA WMU Closures – 90%
 - Southend RCRA WMU Closures – 90%
 - Northend Restrictive Covenant – 0%
 - Southend Restrictive Covenant – 90%
 - Monitoring Well Abandonments – 5%
 - UST Issue Resolution – 100%

Task 10 Maintain Select Surface Covers

- Maintain Select Surface Covers – Ongoing
- Installation of Additional Surface Cover – Southend – 80%

Task 11 *Lead Soil Removal*

- Lead Soil Removal – 100%
- Northern Parcel Investigation – 100%
- Northern Parcel Soil Removal – 100%

Task 12 *Agency Coordination/Negotiation, Reporting, Project Management*

- RFI Phase I Report - 100%
- RFI Phase II Report - 100%
- Human Health Exposure Control EI Report - 100%
- CA 750 Report - 100%
- Revised Corrective Measures Proposal (CMP), May 1, 2008 – 100%
- Revised CMP Addendum No. 1 – 100%
- Southend Corrective Measures Implementation (CMI) Work Plan – 100%
- Revised CMP Addendum No. 2 – Northend and Site-wide Groundwater - 100%
- Revised CMP Addendum No. 2-1 – Response to EPA Comments - 100%
- 2012 CMI Annual Report – 100%
- 2013 CMI Annual Report – 100%

Task 13 *Outfall 002/005 Oil Minimization & Investigation*

- Outfall 002 Storm Sewer Evaluation - 100%
- Outfall 003 Storm Sewer Evaluation – 60%
- Outfall 004 Re-route into Outfall 013 Evaluation - 90%
- Outfall 005 Storm Sewer Evaluation – 100%
- Outfall 002 Final Measure Implementation– 90%
- Outfall 003 Final Measure Implementation – 30%
- Outfall 005 Final Measure Implementation – 90%

- Outfall 007 Final Measure Implementation – 100%

Task 14 Address 15 Areas of Subsurface LNAPL

- Address 15 Areas of LNAPL – 7%
- AOI 09-B System Design, Permitting, and Construction – 100%

Task 15 LNAPL Recovery OM&M Followed by Secondary LNAPL Remediation

- LNAPL Recovery OM&M – 40%
- Secondary LNAPL Remediation – 0%

6. Budget Status

- 2015 Budget – The 2015 Budget Request was approved by the EPA on December 12, 2014.
- 2015 Budget Modification #1 – The 2015 Budget Modification #1 was approved by the EPA on September 8, 2015.

If you have any questions, please contact me.

Sincerely,
Arcadis



Christi Kiker
Project Manager

Copies:

Peter Quackenbush, Michigan Department of Environmental Quality, (via email)
William Yocum, Michigan Department of Environmental Quality (via email)
Flint Public Library
Grant Trigger, RACER Trust (via email)
Dave Favero, RACER Trust (via email)

Attachments:

Attachment 1 – July 2015 Project Update - RACER Buick City Site

Attachment 2 – August 2015 Project Update - RACER Buick City Site

Attachment 3 – September 2015 Project Update - RACER Buick City Site

Attachment 4 – RACER Buick City Field Schedule –4th Quarter 2015 and 1st Quarter 2016.

Attachment 1

July 2015 Project Update



ARCADIS of Michigan, LLC
28550 Cabot Drive
Suite 500
Novi
Michigan 48377
Tel 248 994 2240
Fax 248 994 2241

MEMO

To:
Chris Black, USEPA

Copies:
Grant Trigger, RACER
Dave Favero, RACER
Christi Kiker, ARCADIS

From:
Micki Maki

Date:
August 19, 2015

ARCADIS Project No.:
B0064410.2015.01202

Subject:
July 2015 Project Update - RACER Buick City Site, Flint, Michigan

On behalf of Revitalizing Auto Communities Environmental Response (RACER) Trust, ARCADIS is submitting this July 2015 Project Update to provide a brief summary of work performed at the Buick City Site (the Site) from July 1, 2015 through July 31, 2015.

Non-Routine Work

Task 2 - LNAPL Investigation

- Developed electronic boring logs as part of SCMI Work Plan Addendum No. 1.
- Drafted a memo summarizing the transmissivity testing activities completed at the site.

Task 3 - LNAPL Recovery Bench and Field-Scale Pilot Testing

- Completed the Basis of Design/Summary Report for the pilot test completed in association with area of interest (AOI)-36-1/36-2.

Task 7 - Enhanced Groundwater Monitoring

- Finalized the 2014 Annual Groundwater Report.
- Began development of the 2015 Annual Groundwater Sampling plan.

Task 17 – Compliance

- Continued the annual review/update of the Storm Water Pollution Prevention Plan.

Task 18 – Select Surface Cover Inspection

- Finalized and submitted the AOI 40-A Impacted Soil Remedy Work Plan to the USEPA.

Task 19 – Remedy Design, Implementation and OM&M

- Continued modeling and reroute analysis for evaluation of the Outfall 003 reroute option.
- Continued to develop the Outfall 003 infiltration elimination options memo.
- Coordinated removal of meters installed for flow monitoring.
- Performed the 002 trench inspection.

Routine OMM Work

Task 1 - Outfall 003/004 Oil Removal Systems

- Continued OMM activities on the 003/004 system. Activities included inspection of the 003/004 interceptor, weekly gauging, and weekly sampling. Inspections are being performed once per week to ensure that the system is running properly and to determine if any system modifications are warranted to optimize system performance.
- Continued inspection of the Leith Street retaining wall to monitor for any movement.

Task 6 - Maintain Booms on Outfalls

- Completed inspections and maintenance (as necessary) of Outfalls 002, 003, 004, and 005. Inspections of the outfalls were performed once per week, prior to forecasted rain events, and following rain events to ensure booms were functioning properly and identify when maintenance events were necessary.

- Completed inspections at Oil Interceptor #2 once a week to ensure that the booms are in good order and identify when maintenance events are necessary.

Task 12 – Agency Coordination/Negotiation, Reporting and Project Management

- Prepared for and attended meeting with EPA.
- Generated June monthly EPA summary memo.

Task 17 – Outfall 003A Weekly Sampling

- Collected weekly NPDES permit samples from the Outfall 003A monitoring point.

Task 19 – Remedy Design, Implementation and OM&M

- Began drafting AOI 81-2 Interim Measure Work Plan.
- Generated and submitted the May monthly POTW report to the City of Flint and June monthly air report to MDEQ for the AOI 09-B system.

Attachment 2

August 2015 Project Update



ARCADIS of Michigan, LLC
28550 Cabot Drive
Suite 500
Novi
Michigan 48377
Tel 248 994 2240
Fax 248 994 2241

MEMO

To:
Chris Black, USEPA

Copies:
Grant Trigger, RACER
Dave Favero, RACER
Christi Kiker, ARCADIS

From:
Micki Maki

Date:
October 8, 2015

ARCADIS Project No.:
B0064410.2015.01202

Subject:
August 2015 Project Update - RACER Buick City Site, Flint, Michigan

On behalf of Revitalizing Auto Communities Environmental Response (RACER) Trust, ARCADIS is submitting this August 2015 Project Update to provide a brief summary of work performed at the Buick City Site (the Site) from August 1, 2015 through August 31, 2015.

Non-Routine Work

Task 2 - LNAPL Investigation

- Reviewed data collected during SMCI Work Plan Addendum No.1 investigation.
- Continued drafting transmissivity data evaluation and summary memo for the recent transmissivity testing activities completed at the site.

Task 3 - LNAPL Recovery Bench and Field-Scale Pilot Testing

- Drafted response to EPA comments on vapor intrusion (VI) work plan..
- Prepared Factory 36 LNAPL summary for in-depth evaluation of VI issues.
- Reviewed the Basis of Design/Summary Report for the pilot test completed in association with area of interest (AOI)-36-1/36-2.

Task 7 – Annual Groundwater Monitoring Event

- Completed 2014 Annual Groundwater Monitoring Report and submitted to RACER and the EPA.

Task 8 - NPDES Plus Monitoring

- Generated boring and well construction logs and database management as part of metals investigation.

Task 12 – Agency Coordination/Negotiation, Reporting and Project Management

- Began drafting 2016 annual budget plan.
- Drafted 2015 Change Order No. 3 and submitted to RACER.
- Began drafting 2015 Change Order No.4 Budget Modification.

Task 18 – Select Surface Cover Inspection

- Drafted the AOI 81-2 Impacted Soil Remedy Work Plan to the EPA.

Task 19 – Remedy Design, Implementation and OM&M

- Continued to develop the Outfall 003 infiltration elimination options evaluation memo.
- Continued evaluation of Outfall 003 system potential re-route.
- Began drafting feasibility study for remedy options for the AOI 83/84-5 area.
- Began drafting the 004 reroute summary memo.

Routine OMM Work

Task 1 - Outfall 003/004 Oil Removal Systems

- Continued OMM activities on the 003/004 system. Activities included inspection of the 003/004 interceptor, weekly gauging, and weekly sampling. Inspections are being performed once per week to ensure that the system is running properly and to determine if any system modifications are warranted to optimize system performance.

- Continued inspection of the Leith Street retaining wall to monitor for any movement.

Task 6 - Maintain Booms on Outfalls

- Completed inspections and maintenance (as necessary) of Outfalls 002, 003, 004, and 005. Inspections of the outfalls were performed once per week, prior to forecasted rain events, and following rain events to ensure booms were functioning properly and identify when maintenance events were necessary.
- Completed inspections at Oil Interceptor #2 once a week to ensure that the booms are in good order and identify when maintenance events are necessary.

Task 12 – Agency Coordination/Negotiation, Reporting and Project Management

- Generated July monthly EPA summary memo.

Task 17 – Outfall 003A Weekly Sampling

- Collected weekly NPDES permit samples from the Outfall 003A monitoring point.
- Performed annual review of the Storm Water Pollution Prevention Plan (SWPPP).

Task 19 – Remedy Design, Implementation and OM&M

- Generated and submitted the July monthly POTW report to the City of Flint and June monthly air report to MDEQ for the AOI 09-B system.
- Performed the 002 trench inspection.

Attachment 3

September 2015 Project

Update



ARCADIS of Michigan, LLC
28550 Cabot Drive
Suite 500
Novi
Michigan 48377
Tel 248 994 2240
Fax 248 994 2241

MEMO

To:
Chris Black, USEPA

Copies:
Grant Trigger, RACER
Dave Favero, RACER
Christi Kiker, ARCADIS

From:
Micki Maki

Date:
October 8, 2015

ARCADIS Project No.:
B0064410.2015.01202

Subject:
September 2015 Project Update - RACER Buick City Site, Flint, Michigan

On behalf of Revitalizing Auto Communities Environmental Response (RACER) Trust, ARCADIS is submitting this September 2015 Project Update to provide a brief summary of work performed at the Buick City Site (the Site) from September 1, 2015 through September 30, 2015.

Non-Routine Work

Task 2 - LNAPL Investigation

- Completed LNAPL transmissivity testing on MW-83/84-15R at the Site.

Task 3 - LNAPL Recovery Bench and Field-Scale Pilot Testing

- Began draft figures for vapor intrusion (VI) delineation work plan for the Factory 36 Area.
- Review the Basis of Design/Summary Report for the pilot test completed in association with area of interest (AOI)-36-1/36-2.

Task 7 – Annual Groundwater Monitoring Event

- Coordinated and conducted the 2015 annual groundwater monitoring event.

Task 8 - NPDES Plus Monitoring

- Coordinated the Outfall 013 and Factory 84 sampling events.

Task 12 – Agency Coordination/Negotiation, Reporting and Project Management

- Continued 2016 annual budget planning.
- Continued drafting Change Order No.4 Budget Modification and submitted to RACER.

Task 19 – Remedy Design, Implementation and OM&M

- Began coordinating design of Outfall 004 storm sewer down gradient remedy.
- Continued drafting feasibility study summary table for AOI 83/84-5 LNAPL Area remediation options.
- Reviewed results of Outfall 003 re-route flow study and began evaluation of additional remedy options.

Routine OMM Work

Task 1 - Outfall 003/004 Oil Removal Systems

- Continued OMM activities on the 003/004 system. Activities included inspection of the 003/004 interceptor, weekly gauging, and weekly sampling. Inspections are being performed once per week to ensure that the system is running properly and to determine if any system modifications are warranted to optimize system performance.
- Continued inspection of the Leith Street retaining wall to monitor for any movement.

Task 6 - Maintain Booms on Outfalls

- Completed inspections and maintenance (as necessary) of Outfalls 002, 003, 004, and 005. Inspections of the outfalls were performed once per week, prior to forecasted rain events, and following rain events to ensure booms were functioning properly and identify when maintenance events were necessary.

- Completed inspections at Oil Interceptor #2 once a week to ensure that the booms are in good order and identify when maintenance events are necessary.

Task 12 – Agency Coordination/Negotiation, Reporting and Project Management

- Generated August monthly EPA summary memo.

Task 17 – Outfall 003A Weekly Sampling

- Collected weekly NPDES permit samples from the Outfall 003A monitoring point.

Task 19 – Remedy Design, Implementation and OM&M

- Generated and submitted the August monthly POTW report to the City of Flint and August monthly air report to MDEQ for the AOI 09-B system.
- Performed the 002 trench inspection.

Attachment 4

RACER Trust Buick City

Field Schedule 4th Quarter

2015 and 1st Quarter 2016

ID	Task Name	Duration	Start	Finish	Preced	October	4th Quarter November	December	January	1st Quarter February	March
1											
2	Task 1 - Outfall 003/004 Oil Removal Systems	131 days	Thu 10/1/15	Thu 3/31/16		[Task 1 Summary Bar]					
3	Outfall 003/004 System OMM	131 days	Thu 10/1/15	Thu 3/31/16		[Task 1 Summary Bar]					
4	Outfall 003/004 System Maintenance Event	10 days	Mon 10/26/15	Fri 11/6/15		[Task 1 Summary Bar]					
5											
6	Task 2 - Supplemental Investigations	62 days	Thu 10/1/15	Fri 12/25/15		[Task 2 Summary Bar]					
7	SCMI Investigation Field Work	25 days	Mon 10/26/15	Fri 11/27/15		[Task 2 Summary Bar]					
8	Evaluate Data and Determine Next Steps	20 days	Mon 11/30/15	Fri 12/25/15	7	[Task 2 Summary Bar]					
9	Prepare SCMI Summary Memo	20 days	Mon 12/28/15	Fri 1/22/16	8	[Task 2 Summary Bar]					
10											
11	Vapor Intrusion Investigation	12 days	Thu 10/15/15	Fri 10/30/15		[Task 2 Summary Bar]					
12	Evaluate Data and Determine Next Steps	20 days	Mon 11/2/15	Fri 11/27/15	11	[Task 2 Summary Bar]					
13											
14	Prepare Transmissivity Summary Memo	20 days	Thu 10/1/15	Wed 10/28/15		[Task 2 Summary Bar]					
15											
16	Task 3 - LNAPL Recovery Bench and Field Scale Pilot Testing	57 days?	Thu 10/1/15	Fri 12/18/15		[Task 3 Summary Bar]					
17	AOI 36-1/36-2 Subsurface soil gas sampling Work Plan Development	17 days	Thu 10/1/15	Fri 10/23/15		[Task 3 Summary Bar]					
18	EPA Approval of AOI 36-1 Subsurface Soil Gas Sampling Work Plan	20 days	Mon 10/26/15	Fri 11/20/15	17	[Task 3 Summary Bar]					
19	AOI 36-1 Subsurface Soil Gas Sampling Investigation	20 days	Mon 11/23/15	Fri 12/18/15	18	[Task 3 Summary Bar]					
20											
21	Task 6 - Maintain Booms on Outfalls	131 days	Thu 10/1/15	Thu 3/31/16		[Task 6 Summary Bar]					
22	Standard OMM	131 days	Thu 10/1/15	Thu 3/31/16		[Task 6 Summary Bar]					
23	Oil Interceptor #2 Maintenance	131 days	Thu 10/1/15	Thu 3/31/16		[Task 6 Summary Bar]					
24											
25	Task 7 - Annual Groundwater Monitoring Event	65 days	Thu 10/1/15	Wed 12/30/15		[Task 7 Summary Bar]					
26	Complete 1,4 Dioxane Plan development	20 days	Thu 10/1/15	Wed 10/28/15		[Task 7 Summary Bar]					
27	EPA review and Approval Process	20 days	Thu 10/29/15	Wed 11/25/15	26	[Task 7 Summary Bar]					
28	Coordinate and conduct event	25 days	Thu 11/26/15	Wed 12/30/15	27	[Task 7 Summary Bar]					
29											
30	Task 8 - NPDES Plus Monitoring	131 days	Thu 10/1/15	Thu 3/31/16		[Task 8 Summary Bar]					
31	Address Metal Impact in Site Storm Sewers	131 days	Thu 10/1/15	Thu 3/31/16		[Task 8 Summary Bar]					
32											
33	Factory 84 Data Evaluation and Determine Next Steps	20 days	Thu 10/1/15	Wed 10/28/15		[Task 8 Summary Bar]					
34											
35	Outfall 013 Dry Weather Flow Sampling Events	20 days	Thu 10/8/15	Wed 11/4/15		[Task 8 Summary Bar]					
36	Outfall 013 Dry Weather Flow Data Evaluation and Next Steps	20 days	Thu 11/5/15	Wed 12/2/15	35	[Task 8 Summary Bar]					
37											
38	Task 12 - Agency Coordination/Negotiation, Reporting, Project Management	131 days	Thu 10/1/15	Thu 3/31/16		[Task 12 Summary Bar]					
39	Agency Meetings and Negotiations	131 days	Thu 10/1/15	Thu 3/31/16		[Task 12 Summary Bar]					
40	Project Management and Administration	131 days	Thu 10/1/15	Thu 3/31/16		[Task 12 Summary Bar]					
41	Reporting	89 days	Mon 11/2/15	Thu 3/3/16		[Task 12 Summary Bar]					
42	Final Decision Issued by EPA	1 day	Mon 11/2/15	Mon 11/2/15		[Task 12 Summary Bar]					
43	CMI Work Plan	88 days	Tue 11/3/15	Thu 3/3/16	42	[Task 12 Summary Bar]					
44											
45	Task 17 - Compliance	131 days	Thu 10/1/15	Thu 3/31/16		[Task 17 Summary Bar]					
46	Outfall 003A Weekly Sampling and eDMR's	131 days	Thu 10/1/15	Thu 3/31/16		[Task 17 Summary Bar]					
47	SWPP annual review and Inspections	131 days	Thu 10/1/15	Thu 3/31/16		[Task 17 Summary Bar]					
48	Yearly Trend Monitoring and PMP	131 days	Thu 10/1/15	Thu 3/31/16		[Task 17 Summary Bar]					
49											
50	Task 18 - Addressing Soil Impacts	30 days	Thu 10/1/15	Wed 11/11/15		[Task 18 Summary Bar]					
51	Surface Cover Installations	30 days	Thu 10/1/15	Wed 11/11/15		[Task 18 Summary Bar]					
52	EPA Review and Approval Process	30 days	Thu 10/1/15	Wed 11/11/15		[Task 18 Summary Bar]					
53											
54	Task 19 - Remedy Design, Implementation, and OM&M	131 days	Thu 10/1/15	Thu 3/31/16		[Task 19 Summary Bar]					
55	Outfall 003 Reroute	70 days	Thu 10/1/15	Wed 1/6/16		[Task 19 Summary Bar]					
56	Outfall 003 Reroute Evaluation	19 days	Thu 10/1/15	Tue 10/27/15		[Task 19 Summary Bar]					
57	Review Data and Reroute options with EPA	1 day	Wed 10/28/15	Wed 10/28/15	56	[Task 19 Summary Bar]					
58	Outfall 003 Reroute Alignment Investigation	30 days	Thu 10/29/15	Wed 12/9/15	57	[Task 19 Summary Bar]					
59	Review Data and Determine Next Steps	20 days	Thu 12/10/15	Wed 1/6/16	58	[Task 19 Summary Bar]					
60											
61	Outfall 002 Passive Recovery Trench OM&M	131 days	Thu 10/1/15	Thu 3/31/16		[Task 19 Summary Bar]					
62											
63	Remedy and Targeted Excavation Design	131 days	Thu 10/1/15	Thu 3/31/16		[Task 19 Summary Bar]					
64											
65	Restrictive Covenants	100 days	Mon 11/2/15	Fri 3/18/16		[Task 19 Summary Bar]					
66											
67	AOI 09-B MPE System	131 days	Thu 10/1/15	Thu 3/31/16		[Task 19 Summary Bar]					
68	Continue System Maintenance	131 days	Thu 10/1/15	Thu 3/31/16		[Task 19 Summary Bar]					
69											
70	Task 20 - Outfall Exit	109 days	Sun 11/1/15	Thu 3/31/16		[Task 20 Summary Bar]					
71	Outfall 005	109 days	Sun 11/1/15	Thu 3/31/16		[Task 20 Summary Bar]					
72	Coord with MDEQ/City Of Flint	30 days	Sun 11/1/15	Thu 12/10/15		[Task 20 Summary Bar]					
73	EPA Review and Approval Process	30 days	Fri 12/11/15	Thu 1/21/16	72	[Task 20 Summary Bar]					
74	End Outfall 005 Inspections	50 days	Fri 1/22/16	Thu 3/31/16	73	[Task 20 Summary Bar]					
75											
76	Outfall 002	44 days	Mon 2/1/16	Thu 3/31/16		[Task 20 Summary Bar]					
77	Coord with MDEQ/City Of Flint	30 days	Mon 2/1/16	Fri 3/11/16		[Task 20 Summary Bar]					
78	EPA Review and Approval Process	14 days	Mon 3/14/16	Thu 3/31/16	77	[Task 20 Summary Bar]					