Ms. Mary Vanderlaan
Supervisor, Lansing District
Michigan Department of Environmental Quality
Water Resources Division
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ENVIRONMENT

Subject:
NPDES Permit No. MI0001597
2016 Annual Pollution Minimization Program Report for Polychlorinated Biphenyls
RACER Trust Buick City – Flint, Michigan

Date:
May 12, 2017

Contact:
Christopher S. Peters

Phone:
517.324.5052

Email:
chris.peters@arcadis.com

Our ref:
B0064410.2017

Dear Ms. Vanderlaan:

This 2016 Annual Pollutant Minimization Program (PMP) Report for polychlorinated biphenyls (PCBs) is submitted by ARCADIS on behalf of the Revitalizing Auto Communities Environmental Response (RACER) Trust for the Buick City Site (the Site), which is located at 902 East Leith Street in Flint, Michigan (**Figure 1**), to comply with Part 1, Section A (6) of the National Pollutant Discharge Elimination System (NPDES) permit for the Site (No. MI0001597). The goal of the PMP is to maintain the effluent concentration of total PCBs at or below 0.026 nanograms per liter (ng/L) at Monitoring Point 003A. As required per the above referenced NPDES permit, the permittee shall submit on or before May 15 of each year a status report to the Michigan Department of Environmental Quality (MDEQ) that includes: 1) an updated list of potential sources, 2) documentation of oil releases to the Flint River, if any, 3) a summary of all actions taken to reduce or eliminate identified sources of PCBs, and 4) the monitoring results for the previous year.

1 LIST OF POTENTIAL PCB SOURCES

The sources of PCBs at the Site are the Light Non-Aqueous Phase Liquid (LNAPL) plumes. Previously known potential sources of PCBs are present at eight discrete areas of the Site, as follows:

- former Factory 10/Scrapyard Area (Area of Interest (AOI) 10-1 and AOI 10-4),
- former Factory 81 Area (AOI 81-2),
- former Factory 05 Area (AOI 05-1 and AOI 05-5),

- former Building 86/Leith Street Overpass Area (AOI 86-1),
- former Factory 83/84 Area (AOI 83/84-2),
- former Building 12 Area (AOI 12-A, AOI 12-B and AOI 12-C),
- former Factory 40 Tunnel Area (AOI 40-D), and
- former Building 30 Area (AOI 03-1).

PCBs were previously identified in LNAPL in the former Factory 81 AOI 81-2 area during Site investigation activities completed in 2013. However, during investigation activities in 2014 PCBs were also identified in surface soils (0 to 2 feet below ground surface) at concentrations ranging from 0.35 to 15 parts per million.

A Site location map showing these areas is included as **Figure 2**.

2 OIL RELEASES TO THE FLINT RIVER

There were no observed oil releases to the Flint River from Site outfalls in 2016.

3 ACTIONS TAKEN TO REDUCE OR ELIMINATE PCB SOURCES AND TO MAINTAIN PCB EFFLUENT CONCENTRATIONS BELOW NPDES CRITERION

Oil Absorbent Booms

RACER maintains oil absorbent booms and oil containment booms at Outfalls 002, 003, 004 and 005 in order to contain periodic oil sheens at the Flint River. Refer to **Figure 2** for the approximate locations of the outfall protection systems. The booms at each outfall consist of multiple lines of oil absorbent booms to contain and absorb oil during outfall flow and an oil containment curtain set farther out into the river to physically contain any discharge during high flow events. All booms are installed in such a manner that allows them to adjust to the fluctuating river level. The outfall containment areas are currently inspected at a minimum of once per week, and before and after precipitation events. Visual inspection includes documentation of oil/debris accumulation, absorbent boom saturation, and that the containment booms are in good condition and functioning properly. Based on visual observations, the booms are changed on an as-needed basis to ensure proper working order. In addition, accumulated oil and debris in the outfall containment areas are removed via oil absorbents and manual skimming on an as-needed basis to prevent potential environmental releases.

Outfalls 003 and 004

Construction of the Outfall 003/004 Stormwater Diversion and Treatment System (Outfall 003/004 System) was completed in January 2011 and it continues to remove oils and sediment from the Outfall 003 and 004 storm sewers prior to reaching the Flint River (refer to **Figure 2** for location of the Outfall 003/004 System). During dry weather flow conditions, water, oil, and debris from both storm sewers 003 and 004 are diverted into a common manhole at the BaySeparator™, from which oil and water are discharged to an oil/water separator, and subsequently water is discharged back into storm sewer 003 for discharge to the Flint River. Therefore, at dry weather flow conditions the only flow discharging to Outfall

004 is whatever infiltrates the storm sewer between the diversion structure and the outfall. The Outfall 003/004 System is design to capture dry weather and first flush stormwater flow. During stormwater conditions, water in the sewers is diverted around the Outfall 003/004 System and discharges directly to both outfalls.

The Outfall 003/004 System is maintained at least once per week. Water levels and oil levels are actively being monitored in vaults, the BaySeparator™ manholes, and the oil-water separator. Storm water downstream of the Outfall 003/004 System is also being monitored in manholes as well as the Flint River outfalls to check for accumulating oils. Routine maintenance events are scheduled based on field observations and include the following tasks: removal of debris and trash from the diversion structures, jetting of HDPE piping to clear blockage, and an annual cleaning event of the BaySeparator™ system. The last BaySeparator™ cleaning event was performed in June 2016 and included removal of 22,739 gallons of an oil and water mixture (non-Toxic Substances Control Act (TSCA) regulated). The next BaySeparator™ cleaning is scheduled for fall 2017.

In addition to the Outfall 003/004 System, Oil Interceptor #2 (**Figure 2**), which is located upstream of the Outfall 003/004 System, continues to function as an in-line oil water separator along one of the Outfall 003 storm sewer mains to prevent oil and debris from reaching the Flint River. RACER maintains Oil Interceptor #2 by utilizing two rows of oil absorbent booms spanned perpendicular to the direction of flow. The booms are inspected on a weekly basis for oil/debris accumulation, absorbent boom saturation, and that the absorbent booms are in good condition and functioning properly. Based on visual observations, the booms are changed and debris removed on an as-needed basis to ensure proper working order. In 2016 two maintenance events ware performed on Oil Interceptor #2, resulting in the collection and disposal of 12 drums (an estimated 431 kilograms) of TSCA PCB oil waste.

Within the Outfall 003 drainage area, several storm sewer laterals were bulkheaded or plugged to eliminate sections of the sewer with oil infiltration. Locations of those laterals are shown on **Figure 2**.

In 2015, the upgradient (off-Site) drainage to the Outfall 004 storm sewer was permanently diverted to the Outfall 013 storm sewer (**Figure 2**) in order to allow for future bulkheading further downgradient in the Outfall 004 storm sewer. As part of the diversion a bulkhead was placed in the Outfall 004 storm sewer at Manhole 4-23.

Outfall 005

P-traps previously installed in the Leith Street Overpass under drain system continue to be monitored quarterly to verify their continued operation and check for the presence of LNAPL. The purpose of the P-traps is to eliminate the migration of LNAPL through the foundation drain and into the Outfall 005 storm sewer system.

In 2012 boom studies were performed along the Outfall 005 storm sewer at select locations to determine oil infiltration locations and identify potential bulkheading locations. Bulkheading of Outfall 005 near the south end of former Factory 83/84 was completed in May 2013, which eliminated the Site's contribution to the Outfall, only leaving the drainage from Leith Street and the adjacent property owner as contributors to this storm sewer. Bulkhead locations are indicated on **Figure 2**.

4 MONITORING RESULTS

PCBs were not detected in any of the samples collected from Outfall 003 in 2016. Monitoring results for the previous year are provided in attachments to this document and include:

- **Attachment 1** – Presents the analytical results from the Monitoring Point 003A weekly dry weather and yearly wet weather samples submitted for PCB analysis.
- **Attachment 2** – Presents the inspection notes and relevant measurements from the Outfall 003/004 System.

Please contact me at 517.324.5052 at your convenience if you have any questions or require further information regarding this submittal.

Sincerely,

Arcadis of Michigan, LLC

Christopher S. Peters, P.G.
Vice President

Copies:
Chris Black, USEPA Region 5
Grant Trigger, RACER Trust
Dave Favero, RACER Trust

Enclosures:

Figures

1 Site Location Map

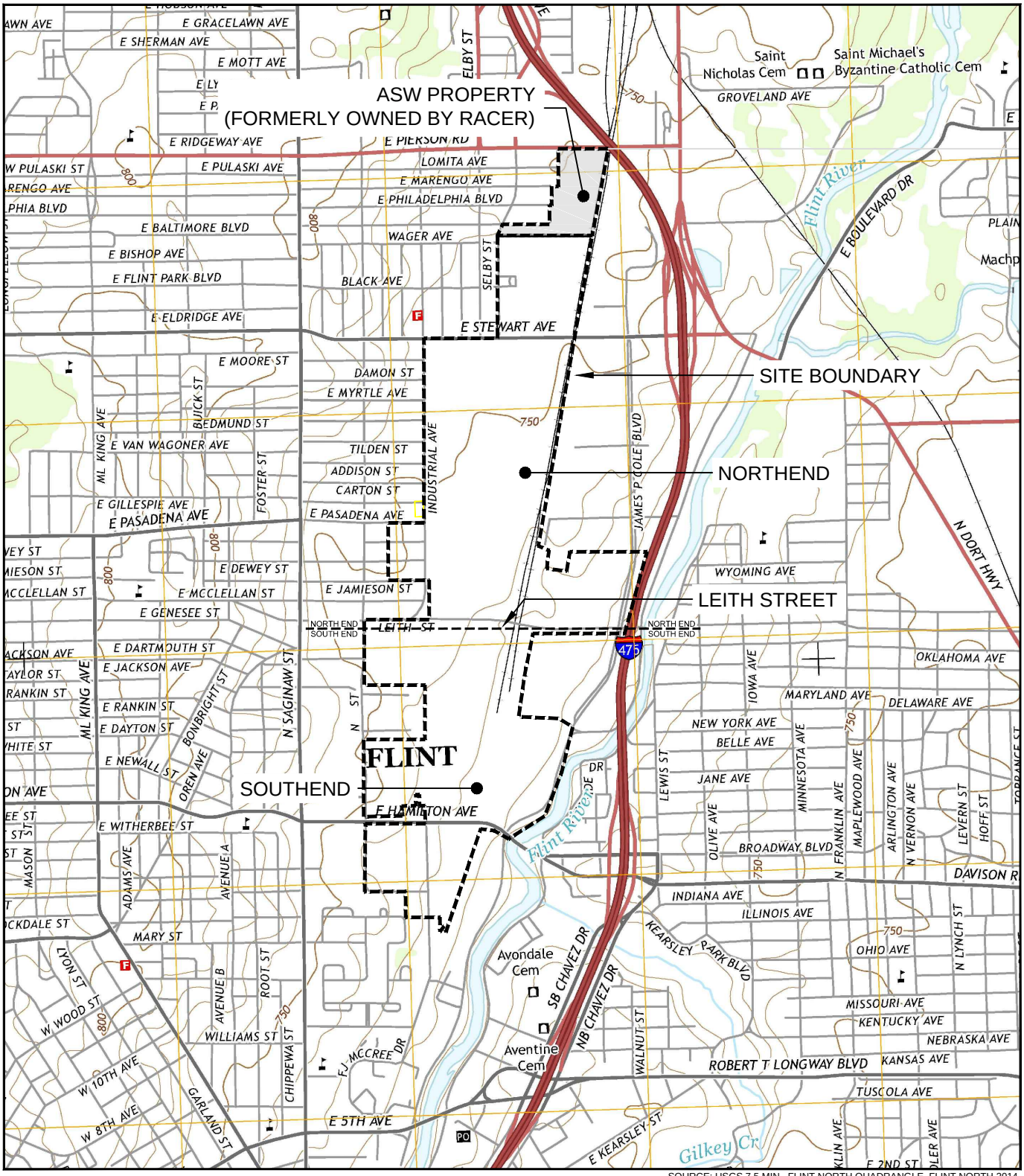
2 PCB Minimization Controls

Attachments

1 2016 Outfall 003 Dry and Wet Weather Storm Water Sampling Results

2 2016 Field Inspection Notes – Outfall 003/004 System

FIGURES



SOURCE: USGS 7.5 MIN., FLINT NORTH QUADRANGLE, FLINT NORTH 2014

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BUICK CITY
FLINT, MICHIGAN

SITE LOCATION MAP

ARCADIS Design & Consultancy for natural and built assets

FIGURE 1

OUTFALL 003/004 STORM SEWER
DIVERSION AND TREATMENT SYSTEM

OUTFALL PROTECTION SYSTEM

NORTH END
SOUTH END

MONITORING POINT 003A

OUTFALL 100 (LAGOONS NO LONGER IN USE. VALVE CLOSED)

INTERCEPTOR 2 OIL/WATER SEPARATOR WEIR

AOI 10-4
AOI 10-1
AOI 03-1
AOI 81-2
AOI 86-1
AOI 40-D
AOI 83/84-2
AOI 05-5
AOI 05-1
AOI 12-A, 12-B, AND 12-C

LEGEND:

- RACER PROPERTY BOUNDARY
- PREVIOUSLY OWNED PROPERTY BY RACER TRUST
- BUILDING OUTLINE
- FORMER BUILDING OUTLINE
- APPROXIMATE HISTORICAL EXTENT OF MEASURABLE LNAPL (>0.5 FEET)
- APPROXIMATE CURRENT EXTENT OF MEASURABLE LNAPL (>0.1 FEET)
- AREAS WITH NO DIRECT DRAINAGE FROM RACER PROPERTY TO THE STORM SEWER (OUTFALLS 002, 007, 008, 009, 010)
- STORM SEWER
- STORM SEWER BULKHEAD LOCATION
- 001 OUTFALL DRAINAGE AREA AND NUMBER
- LNAPL AREAS CONTAINING PCBS
- PCB – IMPACTED SOILS EXPOSED AT THE SURFACE

0 400' 800'
APPROXIMATE SCALE IN FEET

NOTE:

1. BASE MAP INFORMATION FROM A SURVEY BY BMJ, INC. DATED APRIL 2001, AT A SCALE OF 1:100. AERIAL IMAGE FROM ARCGIS 10 ONLINE MAPPING, ACCESSED 6/12/2013.
2. BASED ON INFORMATION AVAILABLE AS OF 3/19/2014.

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PCB MINIMIZATION CONTROLS

ARCADIS Design & Consultancy for natural and built assets

FIGURE
2

CITY: SYRACUSE DIV/GROUP: 141 DB: A.SANCHEZ LD: GMS PIC: C.S. PETERS PM: C. KIKER TM: C. KIKER LYR: ON=*;OFF=*REF*
G:\ENVCAD\Lansing-MI\RETURN-TO\Syracuse\B0064410\B64410B01.dwg LAYOUT: 2 SAVED: 5/5/2016 3:09 PM ACADVER: 19.1S (LMS TECH) PAGESETUP: ----
IMAGES: PROJECTNAME: ----

ATTACHMENT 1

2016 Outfall 003 Dry and Wet Weather Storm Water Sampling Results

2016 Outfall 003A Dry Weather Storm Water Sampling Data
2016 Yearly PMP Report

RACER Trust
Buick City Site
Flint, Michigan

Location ID: / Date Collected:	Units	OUTFALL 003A 01/08/16	OUTFALL 003A 01/15/16	OUTFALL 003A 01/21/16	OUTFALL 003A 01/29/16	OUTFALL 003A 02/03/16	OUTFALL 003A 02/11/16	OUTFALL 003A 02/16/16	OUTFALL 003A 02/26/16
PCB									
Aroclor-1016 (PCB-1016)	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Aroclor-1221 (PCB-1221)	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Aroclor-1232 (PCB-1232)	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Aroclor-1242 (PCB-1242)	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Aroclor-1248 (PCB-1248)	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Aroclor-1254 (PCB-1254)	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Aroclor-1260 (PCB-1260)	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Total PCBs	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U

Location ID: / Date Collected:	Units	OUTFALL 003A 03/04/16	OUTFALL 003A 03/11/16	OUTFALL 003A 03/18/16	OUTFALL 003A 03/23/16	OUTFALL 003A 04/01/16	OUTFALL 003A 04/07/16	OUTFALL 003A 04/12/16	OUTFALL 003A 04/19/16
PCB									
Aroclor-1016 (PCB-1016)	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Aroclor-1221 (PCB-1221)	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Aroclor-1232 (PCB-1232)	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Aroclor-1242 (PCB-1242)	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Aroclor-1248 (PCB-1248)	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Aroclor-1254 (PCB-1254)	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Aroclor-1260 (PCB-1260)	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Total PCBs	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U

Location ID: / Date Collected:	Units	OUTFALL 003A 04/27/16	OUTFALL 003A 05/06/16	OUTFALL 003A 05/13/16	OUTFALL 003A 05/17/16	OUTFALL 003A 05/24/16	OUTFALL 003A 05/30/16	OUTFALL 003A 06/07/16	OUTFALL 003A 06/14/16
PCB									
Aroclor-1016 (PCB-1016)	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Aroclor-1221 (PCB-1221)	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Aroclor-1232 (PCB-1232)	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Aroclor-1242 (PCB-1242)	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Aroclor-1248 (PCB-1248)	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Aroclor-1254 (PCB-1254)	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Aroclor-1260 (PCB-1260)	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Total PCBs	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U

Location ID: / Date Collected:	Units	OUTFALL 003A 06/21/16	OUTFALL 003A 06/28/16	OUTFALL 003A 07/06/16	OUTFALL 003A 07/12/16	OUTFALL 003A 07/19/16	OUTFALL 003A 07/27/16	OUTFALL 003A 08/02/16	OUTFALL 003A 08/09/16
PCB									
Aroclor-1016 (PCB-1016)	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Aroclor-1221 (PCB-1221)	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Aroclor-1232 (PCB-1232)	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Aroclor-1242 (PCB-1242)	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Aroclor-1248 (PCB-1248)	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Aroclor-1254 (PCB-1254)	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Aroclor-1260 (PCB-1260)	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Total PCBs	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U

2016 Outfall 003A Dry Weather Storm Water Sampling Data
2016 Yearly PMP Report

RACER Trust
Buick City Site
Flint, Michigan

Location ID: / Date Collected:	Units	OUTFALL 003A 08/16/16	OUTFALL 003A 08/23/16	OUTFALL 003A 08/31/16	OUTFALL 003A 09/07/16	OUTFALL 003A 09/15/16	OUTFALL 003A 09/20/16	OUTFALL 003A 09/27/16	OUTFALL 003A 10/04/16
PCB									
Aroclor-1016 (PCB-1016)	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Aroclor-1221 (PCB-1221)	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Aroclor-1232 (PCB-1232)	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Aroclor-1242 (PCB-1242)	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Aroclor-1248 (PCB-1248)	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Aroclor-1254 (PCB-1254)	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Aroclor-1260 (PCB-1260)	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Total PCBs	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U

Location ID: / Date Collected:	Units	OUTFALL 003A 10/11/16	OUTFALL 003A 10/20/16	OUTFALL 003A 10/28/16	OUTFALL 003A 11/02/16	OUTFALL 003A 11/09/16	OUTFALL 003A 11/16/16	OUTFALL 003A 11/22/16	OUTFALL 003A 11/29/16
PCB									
Aroclor-1016 (PCB-1016)	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Aroclor-1221 (PCB-1221)	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Aroclor-1232 (PCB-1232)	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Aroclor-1242 (PCB-1242)	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Aroclor-1248 (PCB-1248)	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Aroclor-1254 (PCB-1254)	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Aroclor-1260 (PCB-1260)	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Total PCBs	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U

Location ID: / Date Collected:	Units	OUTFALL 003A 12/09/16	OUTFALL 003A 12/16/16	OUTFALL 003A 12/22/16	OUTFALL 003A 12/29/16
PCB					
Aroclor-1016 (PCB-1016)	ug/L	0.1 U	0.1 U	0.1 U	0.1 U
Aroclor-1221 (PCB-1221)	ug/L	0.1 U	0.1 U	0.1 U	0.1 U
Aroclor-1232 (PCB-1232)	ug/L	0.1 U	0.1 U	0.1 U	0.1 U
Aroclor-1242 (PCB-1242)	ug/L	0.1 U	0.1 U	0.1 U	0.1 U
Aroclor-1248 (PCB-1248)	ug/L	0.1 U	0.1 U	0.1 U	0.1 U
Aroclor-1254 (PCB-1254)	ug/L	0.1 U	0.1 U	0.1 U	0.1 U
Aroclor-1260 (PCB-1260)	ug/L	0.1 U	0.1 U	0.1 U	0.1 U
Total PCBs	ug/L	0.1 U	0.1 U	0.1 U	0.1 U

2016 Outfall 003A Wet Weather Storm Water Sampling Data
2016 Yearly PMP Report

RACER Trust
Buick City Site
Flint, Michigan

Location ID: Sample Depth(): Date Collected:	Units	OUTFALL 003A 09/21/16
PCB		
Aroclor-1016 (PCB-1016)	ug/L	0.1 U
Aroclor-1221 (PCB-1221)	ug/L	0.1 U
Aroclor-1232 (PCB-1232)	ug/L	0.1 U
Aroclor-1242 (PCB-1242)	ug/L	0.1 U
Aroclor-1248 (PCB-1248)	ug/L	0.1 U
Aroclor-1254 (PCB-1254)	ug/L	0.1 U
Aroclor-1260 (PCB-1260)	ug/L	0.1 U
Total PCBs	ug/L	0.1 U

ATTACHMENT 2

2016 Field Inspection Notes – Outfall 003/004 System

Outfall 003 004
Oil Separation System Data

DATE	WEATHER		OUTFALL 003								
			MH 3-3		MH 3-6						
	Temp (◦F)	Conditions (rain, etc.)	Obstructions (Y/N)	Flow (Y/N)	Obstructions (Y/N)	Quantity of Debris	Flow (Y/N)	Depths		Cresting Weir (Y/N)	Pooling Oil (Y/N)
								To Water	To Bottom		
1/4/2016	28	snow	No	Yes	No	Trace	Yes	11.21	12.42	No	No
1/11/2016	15	snow	No	yes	No	NA	Yes	11.90	12.42	No	No
1/19/2016	20	snow	No	Yes	No	NA	Yes	11.16	12.42	No	No
1/25/2016	40	snow	No	Yes	No	NA	Yes	11.20	12.42	No	No
2/2/2016	42	snow	No	Yes	No	NA	Yes	11.20	12.42	No	No
2/12/2016	20	snow	No	Yes	No	NA	Yes	11.18	12.42	No	No
2/17/2016	30	snow	No	Yes	No	NA	Yes	11.19	12.42	No	No
2/23/2016	40	snow	No	Yes	No	NA	Yes	11.18	12.42	No	No
3/1/2016	25	snow	No	Yes	No	NA	Yes	11.50	12.42	No	No
3/7/2016	55	cloudy	No	Yes	No	NA	Yes	11.53	12.42	No	No
3/14/2016	55	rain	No	Yes	No	NA	Yes	11.45	12.42	No	No
3/21/2016	45	clear	No	Yes	No	NA	Yes	11.60	12.42	No	No
3/28/2016	45	clear	No	Yes	No	NA	Yes	11.58	12.42	No	No
4/4/2016	30	snow	No	Yes	No	NA	Yes	11.39	12.42	No	No
4/11/2016	50	rain	No	Yes	No	NA	Yes	11.20	12.42	No	No
4/18/2016	70	clear	No	Yes	No	NA	Yes	11.42	12.42	No	No
4/25/2016	60	cloudy	No	Yes	No	NA	Yes	11.41	12.42	No	No
5/2/2016	55	rain	No	Yes	No	NA	Yes	11.19	12.41	No	No
5/9/2016	55	clear	No	Yes	No	NA	Yes	11.20	12.43	No	No
5/17/2016	60	clear	No	Yes	No	NA	Yes	NA	NA	No	No
5/24/2016	65	clear	No	Yes	No	NA	Yes	11.19	12.42	No	No
6/9/2016	60	clear	No	Yes	No	NA	Yes	11.20	12.41	No	No
6/16/2016	65	rain	No	Yes	No	NA	Yes	11.19	12.39	No	No
6/17/2016	80	clear	No	Yes	No	NA	Yes	11.24	12.36	No	No
6/20/2016	80	clear	No	Yes	No	NA	Yes	11.26	12.33	No	No
6/27/2016	90	clear	No	Yes	No	NA	Yes	11.25	12.31	No	No
7/6/2016	100	clear	No	Yes	No	NA	Yes	11.26	12.35	No	No
7/15/2016	80	clear	No	Yes	No	NA	Yes	11.25	12.30	No	No
7/18/2016	80	clear	No	Yes	No	NA	Yes	11.28	12.35	No	No
7/25/2016	80	clear	No	Yes	No	NA	Yes	11.30	12.37	No	No
8/3/2016	88	clear	No	Yes	No	NA	Yes	11.24	12.34	No	No

Note:
NA indicates data not applicable
EO indicates emulsified oil

Outfall 003 004
Oil Separation System Data

DATE	WEATHER		OUTFALL 003								
			MH 3-3		MH 3-6						
	Temp (◦F)	Conditions (rain, etc.)	Obstructions (Y/N)	Flow (Y/N)	Obstructions (Y/N)	Quantity of Debris	Flow (Y/N)	Depths		Cresting Weir (Y/N)	Pooling Oil (Y/N)
								To Water	To Bottom		
8/9/2016	95	clear	No	Yes	No	NA	Yes	11.26	12.35	No	No
8/16/2016	90	rain	No	Yes	No	NA	Yes	11.20	12.37	No	No
8/22/2016	75	clear			No	NA	Yes	11.37	12.15	No	No
8/30/2016	75	cloudy			No	NA	Yes	11.21	12.15	No	No
9/14/2016	63	cloudy			No	NA	Yes	11.32	12.15	No	No
9/19/2016	83	clear			No	NA	Yes	11.35	12.15	No	No
9/26/2016	67	rain	No	Yes	No	NA	Yes	11.33	12.15	No	No
9/27/2016	67	rain	No	Yes	No	NA	Yes	11.35	12.15	No	No
10/3/2016	69	rain	No	Yes	No	NA	Yes	11.32	12.15	No	No
10/10/2016	61	cloudy	No	Yes	No	NA	Yes	11.35	12.15	No	No
10/19/2016	72	overcast	No	Yes	No	NA	Yes	11.38	12.15	No	No
10/28/2016	56	sunny	No	Yes	No	NA	Yes	11.40	12.15	No	No
10/31/2016	50	rain	No	Yes	No	NA	Yes	11.38	12.15	No	No
11/7/2016	66	cloudy	No	Yes	No	NA	Yes	11.35	12.15	No	No
11/14/2016	60	overcast	No	Yes	No	NA	Yes	11.33	12.17	No	No
11/21/2016	40	overcast	No	Yes	No	NA	Yes	11.35	12.15	No	No
12/1/2016	42	rain/snow mix	No	Yes	No	NA	Yes	11.32	12.15	No	No

Note:
NA indicates data not applicable
EO indicates emulsified oil

Outfall 003 004
Oil Separation System Data

DATE	WEATHER		OUTFALL 003								
			MH 3-3		MH 3-6						
	Temp (◦F)	Conditions (rain, etc.)	Obstructions (Y/N)	Flow (Y/N)	Obstructions (Y/N)	Quantity of Debris	Flow (Y/N)	Depths		Cresting Weir (Y/N)	Pooling Oil (Y/N)
								To Water	To Bottom		
12/6/2016	40	rain	No	Yes	No	NA	Yes	11.32	12.15	No	No
12/14/2016	23	snow	No	Yes	No	NA	Yes	11.32	12.17	No	No
12/20/2016	32	snow	No	Yes	No	NA	Yes	11.40	12.17	No	No
12/29/2016	36	snow	No	Yes	No	NA	Yes	11.35	12.17	No	No

Note:
NA indicates data not applicable
EO indicates emulsified oil

Outfall 003 004
Oil Separation System Data

DATE	WEATHER		SYSTEM COMPONENTS														
			Bay Saver Primary MH						Bay Saver Storage MH						Oil Water Separator		
	Temp (◦F)	Conditions (rain, etc.)	Obstructions (Y/N)	Qty. of Debris	Flow (Y/N)	Depths			Obstructions (Y/N)	Flow (Y/N)	Type of Debris	Depths			Obstructions (Y/N)	Depths	
						To LNAPL	To Water	To Bottom				To LNAPL	To Water	To Bottom		To LNAPL	To Water
1/4/2016	28	snow	No	NA	Yes	NA	11.38	19.86	No	Yes	Various	12.30	NA	NA	No	NA	10.00
1/11/2016	15	snow	No	NA	Yes	NA	11.4	19.8	No	Yes	Various	12.28	NA	NA	No	NA	10.01
1/19/2016	20	snow	No	NA	Yes	NA	11.34	19.82	No	Yes	Various	12.35	NA	NA	No	NA	10.00
1/25/2016	40	snow	No	NA	Yes	NA	11.29	19.85	No	Yes	Various	12.40	NA	NA	No	NA	10.01
2/2/2016	42	snow	No	NA	Yes	NA	11.45	19.8	No	Yes	Various	12.41	NA	NA	No	NA	10.01
2/12/2016	20	snow	No	NA	Yes	NA	11.4	19.8	No	Yes	Various	12.38	NA	NA	No	NA	10.02
2/17/2016	30	snow	No	NA	Yes	NA	11.43	19.81	No	Yes	Various	12.40	NA	NA	No	NA	10.01
2/23/2016	40	snow	No	NA	Yes	NA	11.4	19.81	No	Yes	Various	12.40	NA	NA	No	NA	10.00
3/1/2016	25	snow	No	NA	Yes	NA	11.2	19.8	No	Yes	Various	12.43	NA	NA	No	NA	10.01
3/7/2016	55	cloudy	No	NA	Yes	NA	11.19	19.8	No	Yes	Various	12.43	NA	NA	No	NA	10.02
3/14/2016	55	rain	No	NA	Yes	NA	11.22	19.8	No	Yes	Various	12.45	NA	NA	No	NA	10.00
3/21/2016	45	clear	No	NA	Yes	NA	11.24	19.8	No	Yes	Various	12.40	NA	NA	No	NA	10.01
3/28/2016	45	clear	No	NA	Yes	NA	11.2	19.8	No	Yes	Various	12.42	NA	NA	No	NA	10.01
4/4/2016	30	snow	No	NA	Yes	NA	11.39	19.81	No	Yes	Various	12.41	NA	NA	No	NA	10.02
4/11/2016	50	rain	No	NA	Yes	NA	11.4	19.81	No	Yes	Various	12.40	NA	NA	No	NA	10.02
4/18/2016	70	clear	No	NA	Yes	NA	11.39	19.82	No	Yes	Various	12.39	NA	NA	No	NA	10.01
4/25/2016	60	cloudy	No	NA	Yes	NA	11.39	19.8	No	Yes	Various	12.40	NA	NA	No	NA	10.01
5/2/2016	55	rain	No	NA	Yes	NA	11.4	19.8	No	Yes	Various	12.28	NA	NA	No	NA	10.05
5/9/2016	55	clear	No	NA	Yes	NA	11.41	19.81	No	Yes	Various	12.29	NA	NA	No	NA	10.06
5/17/2016	60	clear	No	NA	Yes	NA	11.4	19.8	No	Yes	Various	12.29	NA	NA	No	NA	10.05
5/24/2016	65	clear	No	NA	Yes	NA	11.41	19.81	No	Yes	Various	12.30	NA	NA	No	NA	10.06
6/9/2016	60	clear	No	NA	Yes	NA	6.3	19.9	No	Yes	Various	NA	5.80	NA	No	NA	6.56
6/16/2016	65	rain	No	NA	Yes	NA	6.3	19.9	No	Yes	Various	NA	5.82	NA	No	NA	6.56
6/17/2016	80	clear	No	NA	Yes	NA	11.3	19.89	No	Yes	Various	NA	12.30	19.28	No	NA	9.41
6/20/2016	80	clear	No	NA	Yes	NA	11.3	19.9	No	Yes	Various	NA	12.31	19.19	No	NA	9.40
6/27/2016	90	clear	No	NA	Yes	NA	11.3	19.9	No	Yes	Various	NA	12.30	19.9	No	NA	9.40
7/6/2016	100	clear	No	NA	Yes	NA	11.19	19.24	No	Yes	Various	NA	NA	NA	No	NA	9.40
7/15/2016	80	clear	No	NA	Yes	NA	11.2	19.24	No	Yes	Various	NA	NA	NA	No	NA	9.41
7/18/2016	80	clear	No	NA	Yes	NA	11.2	19.26	No	Yes	Various	NA	NA	NA	No	NA	9.41
7/25/2016	80	clear	No	NA	Yes	NA	11.19	19.25	No	Yes	Various	NA	NA	NA	No	NA	9.45
8/3/2016	88	clear	No	NA	Yes	NA	11.17	19.25	No	Yes	Various	11.18	NA	NA	No	NA	9.41

Note:
NA indicates data not applicable
EO indicates emulsified oil

Outfall 003 004
Oil Separation System Data

DATE	WEATHER		SYSTEM COMPONENTS															
			Bay Saver Primary MH						Bay Saver Storage MH						Oil Water Separator			
	Temp (°F)	Conditions (rain, etc.)	Obstructions (Y/N)	Qty. of Debris	Flow (Y/N)	Depths			Obstructions (Y/N)	Flow (Y/N)	Type of Debris	Depths			Obstructions (Y/N)	Depths		
						To LNAPL	To Water	To Bottom				To LNAPL	To Water	To Bottom		To LNAPL	To Water	
8/9/2016	95	clear	No	NA	Yes	NA	11.19	19.24	No	Yes	Various	11.19	NA	NA	No	NA	9.40	
8/16/2016	90	rain	No	NA	Yes	NA	11.15	19.25	No	Yes	Various	11.15	NA	NA	No	NA	9.40	
8/22/2016	75	clear	No	NA	Yes	NA	10.8	19.05	No	Yes	Various	10.60	10.61	20	No	NA	8.68	
8/30/2016	75	cloudy	No	NA	Yes	NA	10.52	19.05	No	Yes	Various	10.32	10.35	20	No	NA	8.62	
9/14/2016	63	cloudy	No	NA	Yes	NA	11.1	19.05	No	Yes	Various	11.00	11.60	20	No	NA	9.35	
9/19/2016	83	clear	No	NA	Yes	NA	10.78	19.05	No	Yes	Various	10.58	10.65	20	No	NA	8.89	
9/26/2016	67	rain	No	NA	Yes	NA	10.69	19.05	No	Yes	Various	10.35	NA	NA	No	NA	8.61	
9/27/2016	67	rain	No	NA	Yes	NA	10.71	19.05	No	Yes	Various	10.37	NA	NA	No	NA	8.65	
10/3/2016	69	rain	No	NA	Yes	NA	10.73	19.05	No	Yes	Various	10.30	NA	NA	No	NA	8.65	
10/10/2016	61	cloudy	No	NA	Yes	NA	10.73	19.05	No	Yes	Various	10.66	NA	NA	No	NA	9.46	
10/19/2016	72	overcast	No	NA	Yes	NA	10.75	19.05	No	Yes	Various	10.60	NA	NA	No	NA	9.50	
10/28/2016	56	sunny	No	NA	Yes	NA	10.70	19.05	No	Yes	Various	10.67	NA	NA	No	NA	9.40	
10/31/2016	50	rain	No	NA	Yes	NA	10.78	19.05	No	Yes	Various	10.65	NA	NA	No	NA	9.65	
11/7/2016	66	cloudy	No	NA	Yes	NA	10.91	19.05	No	Yes	Various	10.66	NA	NA	No	NA	9.65	
11/14/2016	60	overcast	No	NA	Yes	NA	10.80	19.05	No	Yes	Various	10.45	NA	NA	No	NA	9.70	
11/21/2016	40	overcast	No	NA	Yes	NA	10.78	19.05	No	Yes	Various	10.38	NA	NA	No	NA	9.71	
12/1/2016	42	rain/snow mix	No	NA	Yes	NA	10.77	19.05	No	Yes	Various	10.41	NA	NA	No	NA	9.69	

Note:
NA indicates data not applicable
EO indicates emulsified oil

Outfall 003 004
Oil Separation System Data

DATE	WEATHER		SYSTEM COMPONENTS														
			Bay Saver Primary MH						Bay Saver Storage MH						Oil Water Separator		
	Temp (◦F)	Conditions (rain, etc.)	Obstructions (Y/N)	Qty. of Debris	Flow (Y/N)	Depths			Obstructions (Y/N)	Flow (Y/N)	Type of Debris	Depths			Obstructions (Y/N)	Depths	
						To LNAPL	To Water	To Bottom				To LNAPL	To Water	To Bottom		To LNAPL	To Water
12/6/2016	40	rain	No	NA	Yes	NA	10.73	19.05	No	Yes	Various	10.38	NA	NA	No	NA	9.71
12/14/2016	23	snow	No	NA	Yes	NA	10.77	19.05	No	Yes	Various	10.38	NA	NA	No	NA	9.80
12/20/2016	32	snow	No	NA	Yes	NA	10.80	19.05	No	Yes	Various	10.69	NA	NA	No	NA	9.70
12/29/2016	36	snow	No	NA	Yes	NA	10.78	19.05	No	yes	Various	10.70	NA	NA	No	NA	9.75

Note:
NA indicates data not applicable
EO indicates emulsified oil

Outfall 003 004
Oil Separation System Data

DATE	WEATHER		OUTFALL 004					
			MH 4-6					MH 4-5
	Temp (◦F)	Conditions (rain, etc.)	Visible Obstructions (Y/N)	Debris Quantity	Flow (Y/N)	Depths To Water	Depths To Bottom	Flow (Y/N)
1/4/2016	28	snow	No	Trace	Yes	7.20	9.10	No
1/11/2016	15	snow	No	NA	Yes	7.21	9.10	No
1/19/2016	20	snow	No	NA	Yes	7.19	9.10	No
1/25/2016	40	snow	No	NA	Yes	7.19	9.10	No
2/2/2016	42	snow	No	NA	Yes	7.48	9.10	No
2/12/2016	20	snow	No	NA	Yes	7.46	9.12	No
2/17/2016	30	snow	No	NA	Yes	7.45	9.10	No
2/23/2016	40	snow	No	NA	Yes	7.48	9.11	No
3/1/2016	25	snow	No	NA	Yes	7.19	9.10	No
3/7/2016	55	cloudy	No	NA	Yes	7.19	9.10	No
3/14/2016	55	rain	No	NA	Yes	7.20	9.10	No
3/21/2016	45	clear	No	NA	Yes	7.19	9.10	No
3/28/2016	45	clear	No	NA	Yes	7.21	9.10	No
4/4/2016	30	snow	No	NA	Yes	7.20	9.10	No
4/11/2016	50	rain	No	NA	Yes	7.19	9.10	No
4/18/2016	70	clear	No	NA	Yes	7.19	9.10	No
4/25/2016	60	cloudy	No	NA	Yes	7.19	9.10	No
5/2/2016	55	rain	No	NA	Yes	7.21	9.10	No
5/9/2016	55	clear	No	NA	Yes	7.20	9.10	No
5/17/2016	60	clear	No	NA	Yes	7.20	9.10	No
5/24/2016	65	clear	No	NA	Yes	7.19	9.10	No
6/9/2016	60	clear	No	NA	Yes	7.29	9.00	No
6/16/2016	65	rain	No	NA	Yes	7.25	9.05	No
6/17/2016	80	clear	No	NA	Yes	7.30	9.08	No
6/20/2016	80	clear	No	NA	Yes	7.33	9.00	No
6/27/2016	90	clear	No	NA	Yes	7.32	9.10	No
7/6/2016	100	clear	No	NA	Yes	7.38	8.80	No
7/15/2016	80	clear	No	NA	Yes	7.36	8.80	No
7/18/2016	80	clear	No	NA	Yes	7.37	8.80	No
7/25/2016	80	clear	No	NA	Yes	7.40	9.00	No
8/3/2016	88	clear	No	NA	Yes	7.33	8.55	No

Note:
NA indicates data not applicable
EO indicates emulsified oil

Outfall 003 004
Oil Separation System Data

DATE	WEATHER		OUTFALL 004					
			MH 4-6					MH 4-5
	Temp (◦F)	Conditions (rain, etc.)	Visible Obstructions (Y/N)	Debris Quantity	Flow (Y/N)	Depths To Water	Depths To Bottom	Flow (Y/N)
8/9/2016	95	clear	No	NA	Yes	7.35	8.75	No
8/16/2016	90	rain	No	NA	Yes	7.20	8.80	Yes
8/22/2016	75	clear	No	NA	Yes	7.65	8.64	No
8/30/2016	75	cloudy	No	NA	Yes	7.65	8.64	No
9/14/2016	63	cloudy	No	NA	Yes	7.68	8.64	No
9/19/2016	83	clear	No	NA	Yes	7.63	8.64	No
9/26/2016	67	rain	No	NA	Yes	7.66	8.65	No
9/27/2016	67	rain	No	NA	Yes	7.62	8.64	No
10/3/2016	69	rain	No	NA	Yes	7.63	8.62	No
10/10/2016	61	cloudy	No	NA	Yes	7.65	8.64	No
10/19/2016	72	overcast	No	NA	Yes	7.84	8.64	No
10/28/2016	56	sunny	No	NA	Yes	7.61	8.66	No
10/31/2016	50	rain	No	NA	Yes	7.66	8.63	No
11/7/2016	66	cloudy	No	NA	Yes	7.62	8.63	No
11/14/2016	60	overcast	No	NA	Yes	7.63	8.65	No
11/21/2016	40	overcast	No	NA	Yes	7.63	8.64	No
12/1/2016	42	rain/snow mix	No	NA	Yes	7.65	8.64	No

Note:
NA indicates data not applicable
EO indicates emulsified oil

Outfall 003 004
Oil Separation System Data

DATE	WEATHER		OUTFALL 004					
			MH 4-6					MH 4-5
	Temp (◦F)	Conditions (rain, etc.)	Visible Obstructions (Y/N)	Debris Quantity	Flow (Y/N)	Depths To Water	Depths To Bottom	Flow (Y/N)
12/6/2016	40	rain	No	NA	Yes	7.66	8.64	No
12/14/2016	23	snow	No	NA	Yes	7.63	8.64	No
12/20/2016	32	snow	No	NA	Yes	7.64	8.66	No
12/29/2016	36	snow	No	NA	Yes	7.65	8.65	No

Note:
NA indicates data not applicable
EO indicates emulsified oil

Outfall 003 004
Oil Separation System Data

DATE	WEATHER		ADDITIONAL NOTES
	Temp (◦F)	Conditions (rain, etc.)	
1/4/2016	28	snow	EO and trash found in bay separator storage, beginning to get very soft bottom. Oil/water interface on BSS unable to gauge. Sludge on surface so thick probe lays down on top of it. Sediment observed within vault, cannot gauge thickness in middle of vault where sediment is highest (Notes for 1/4/2016 prertain to all dates)
1/11/2016	15	snow	Flow not visible in storage, bottom of BSP not flat. Sediment hase peaks and valleys. Sheen on probe while gauging OWS but no tone from IP.
1/19/2016	20	snow	Flow not visible in storage, bottom of BSP not flat. Sediment hase peaks and valleys. Sheen on probe while gauging OWS but no tone from IP.
1/25/2016	40	snow	Flow not visible in storage, bottom of BSP not flat. Sediment hase peaks and valleys. Sheen on probe while gauging OWS but no tone from IP.
2/2/2016	42	snow	Area slippery around MH4-6, not safe to go to other side of opening. OWS has sheen but IP has no tone
2/12/2016	20	snow	Area slippery around MH4-6, not safe to go to other side of opening. OWS has sheen but IP has no tone
2/17/2016	30	snow	Area slippery around MH4-6, not safe to go to other side of opening. OWS has sheen but IP has no tone
2/23/2016	40	snow	Area slippery around MH4-6, not safe to go to other side of opening. OWS has sheen but IP has no tone
3/1/2016	25	snow	OWS has sheen but IP has no tone
3/7/2016	55	cloudy	OWS has sheen but IP has no tone
3/14/2016	55	rain	OWS has sheen but IP has no tone
3/21/2016	45	clear	OWS has sheen but IP has no tone
3/28/2016	45	clear	OWS has sheen but IP has no tone
4/4/2016	30	snow	OWS has sheen but IP has no tone, not measurable.
4/11/2016	50	rain	OWS has sheen but IP has no tone, not measurable.
4/18/2016	70	clear	OWS has sheen but IP has no tone, not measurable.
4/25/2016	60	cloudy	OWS has sheen but IP has no tone, not measurable.
5/2/2016	55	rain	
5/9/2016	55	clear	
5/17/2016	60	clear	Suspicious activity on property near 3-6. Did not gauge.
5/24/2016	65	clear	
6/9/2016	60	clear	Not sure why BSS is so high. 3-6 and 4-6 checked and were not cresting. OWS is 5ft higher than normal. Consistent with BSS increase 6/17. Water levels normal.
6/16/2016	65	rain	Not sure why BSS is so high. 3-6 and 4-6 checked and were not cresting. OWS is 5ft higher than normal. Cconsistent with BSS increase 6/17. Water levels normal.
6/17/2016	80	clear	
6/20/2016	80	clear	
6/27/2016	90	clear	
7/6/2016	100	clear	No sign of oil on probe at the OWS. Weather very dry, near drought and excessive heat.
7/15/2016	80	clear	No sign of oil on probe at the OWS. Weather very dry, near drought and excessive heat.
7/18/2016	80	clear	No sign of oil on probe at the OWS. Weather very dry, near drought and excessive heat.
7/25/2016	80	clear	No sign of oil on probe at the OWS. Weather very dry, near drought and excessive heat.
8/3/2016	88	clear	Difficult to see flow in bay saver storage but determining flow exist due to access from BSP. Need to change or remove "flow" from bay saver storage. Unless we change language to flow out of primary.

Note:
NA indicates data not applicable
EO indicates emulsified oil

Outfall 003 004
Oil Separation System Data

DATE	WEATHER		ADDITIONAL NOTES
	Temp (◦F)	Conditions (rain, etc.)	
8/9/2016	95	clear	
8/16/2016	90	rain	
8/22/2016	75	clear	MH 4-5 Dry (no obstructions)
8/30/2016	75	cloudy	MH 4-5 Dry (no obstructions)
9/14/2016	63	cloudy	MH 4-5 Dry (no obstructions)
9/19/2016	83	clear	MH 4-5 Dry (no obstructions)
9/26/2016	67	rain	EO and trash found in bay separator storage, beginning to get very soft bottom. Oil/water interface on BSS unable to gauge. Sludge on surface so thick probe lays down on top of it. Sediment observed within vault, cannot gauge thickness in middle of vault where sediment is highest
9/27/2016	67	rain	EO and trash found in bay separator storage, beginning to get very soft bottom. Oil/water interface on BSS unable to gauge. Sludge on surface so thick probe lays down on top of it. Sediment observed within vault, cannot gauge thickness in middle of vault where sediment is highest
10/3/2016	69	rain	EO and trash found in bay separator storage, beginning to get very soft bottom. Oil/water interface on BSS unable to gauge. Sludge on surface so thick probe lays down on top of it. Sediment observed within vault, cannot gauge thickness in middle of vault where sediment is highest
10/10/2016	61	cloudy	EO and trash found in bay separator storage, beginning to get very soft bottom. Oil/water interface on BSS unable to gauge. Sludge on surface so thick probe lays down on top of it. Sediment observed within vault, cannot gauge thickness in middle of vault where sediment is highest
10/19/2016	72	overcast	EO and trash found in bay separator storage, beginning to get very soft bottom. Oil/water interface on BSS unable to gauge. Sludge on surface so thick probe lays down on top of it. Sediment observed within vault, cannot gauge thickness in middle of vault where sediment is highest
10/28/2016	56	sunny	EO and trash found in bay separator storage, beginning to get very soft bottom. Oil/water interface on BSS unable to gauge. Sludge on surface so thick probe lays down on top of it. Sediment observed within vault, cannot gauge thickness in middle of vault where sediment is highest
10/31/2016	50	rain	EO and trash found in bay separator storage, beginning to get very soft bottom. Oil/water interface on BSS unable to gauge. Sludge on surface so thick probe lays down on top of it. Sediment observed within vault, cannot gauge thickness in middle of vault where sediment is highest
11/7/2016	66	cloudy	EO and trash found in bay separator storage, beginning to get very soft bottom. Oil/water interface on BSS unable to gauge. Sludge on surface so thick probe lays down on top of it. Sediment observed within vault, cannot gauge thickness in middle of vault where sediment is highest
11/14/2016	60	overcast	EO and trash found in bay separator storage, beginning to get very soft bottom. Oil/water interface on BSS unable to gauge. Sludge on surface so thick probe lays down on top of it. Sediment observed within vault, cannot gauge thickness in middle of vault where sediment is highest
11/21/2016	40	overcast	EO and trash found in bay separator storage, beginning to get very soft bottom. Oil/water interface on BSS unable to gauge. Sludge on surface so thick probe lays down on top of it. Sediment observed within vault, cannot gauge thickness in middle of vault where sediment is highest
12/1/2016	42	rain/snow mix	EO and trash found in bay separator storage, beginning to get very soft bottom. Oil/water interface on BSS unable to gauge. Sludge on surface so thick probe lays down on top of it. Sediment observed within vault, cannot gauge thickness in middle of vault where sediment is highest

Note:
NA indicates data not applicable
EO indicates emulsified oil

Outfall 003 004
Oil Separation System Data

DATE	WEATHER		ADDITIONAL NOTES
	Temp (°F)	Conditions (rain, etc.)	
12/6/2016	40	rain	EO and trash found in bay separator storage, beginning to get very soft bottom. Oil/water interface on BSS unable to gauge. Sludge on surface so thick probe lays down on top of it. Sediment observed within vault, cannot gauge thickness in middle of vault where sediment is highest
12/14/2016	23	snow	EO and trash found in bay separator storage, beginning to get very soft bottom. Oil/water interface on BSS unable to gauge. Sludge on surface so thick probe lays down on top of it. Sediment observed within vault, cannot gauge thickness in middle of vault where sediment is highest
12/20/2016	32	snow	EO and trash found in bay separator storage, beginning to get very soft bottom. Oil/water interface on BSS unable to gauge. Sludge on surface so thick probe lays down on top of it. Sediment observed within vault, cannot gauge thickness in middle of vault where sediment is highest
12/29/2016	36	snow	EO and trash found in bay separator storage, beginning to get very soft bottom. Oil/water interface on BSS unable to gauge. Sludge on surface so thick probe lays down on top of it. Sediment observed within vault, cannot gauge thickness in middle of vault where sediment is highest

Note:
NA indicates data not applicable
EO indicates emulsified oil