



Stantec Consulting Services Inc.
725 East Fireweed Lane Suite 200, Anchorage AK 99503-2245

November 28, 2022

Stantec Project Number: 185705776

Danny Monson, Advanced HES Professional
ES&S-Waste and Remediation
Marathon Petroleum Company, LP
301 E. Ocean Blvd., Suite 1600
Long Beach, CA 90802

**Reference: Corrective Action Plan for 2023
Speedway Store #5313 (Former Tesoro Northstore #101) and Former IFC
Marathon Petroleum Company (MPC) Site #157575
3569 South Cushman Street, Fairbanks, Alaska
ADEC Facility ID #2960; ADEC File #100.26.022**

Dear Mr. Monson:

This letter presents the 2023 (calendar year) Corrective Action Plan (CAP) for the monitoring and remediation of petroleum contamination at the above referenced site. The 2023 CAP was prepared by Stantec Consulting Services, Inc. (Stantec) on behalf of Tesoro Refining & Marketing Company (Tesoro) c/o Marathon Petroleum Company (MPC) for Speedway Store #5313 (formerly known as Tesoro Northstore #101) and the former Interior Fuel Company (IFC) property that is currently owned by Crowley Petroleum Distribution, Inc. (Crowley).

This 2023 CAP will be presented at the annual work session with the Alaska Department of Environmental Conservation (ADEC), MPC and Stantec. The work session is scheduled for December 6, 2022, and will be presented by Stantec on behalf of MPC to Pete Campbell, ADEC representative, virtually via Microsoft Teams app.

Attached to this letter are the following items associated with the completion of the 2022 CAP tasks: Location and Vicinity Map, Site Plan with Analytical Results September 2022 Annual GWM Event and Analytical Data Results Tables of Historical Monitoring Events. The site plans, sampling test results and additional site documents for the subject site will be included in a PowerPoint presentation that will be delivered by Stantec during the December 6 work session.

The following sections provide a summary of the work plan tasks that were completed under the current 2022 CAP and the proposed work plan tasks for the 2023 CAP.

2022 CAP Work Plan Tasks

- *Task 1 –Groundwater Monitoring*
✓ This task was completed in accordance with the approved 2022 CAP.

- Task 2 – O&M Remediation System
 - ✓ This task was completed in accordance with the approved 2022 CAP. During the past summer the blower used to aerate the on-site aeration treatment tank failed and was replaced with a 0.5 HP regenerative high-capacity blower. The precipitated iron sludge contained in the 1,500-gallon, 2-compartment aeration tank was pumped out for off-site treatment and disposal by US Ecology. In addition, approximately 50 gallons of free product collected from the free product recovery wells (CRW-2, WRW 2020, MW 19-1 and MW 19-2) was hauled off-site for disposal by US Ecology.

- Task 3 – Transport and Treat Off-site 40-CY Stockpile of Contaminated Soil.
 - ✓ This task was completed in accordance with the approved 2022 CAP.

- Task 4 – Drill 6 Confirmation Soil Borings on IFC property and Speedway Store 5313.
 - ✓ This task was completed in accordance with the approved 2022 CAP. The 6 confirmation soil borings were drilled in October 2022 and reported to ADEC in the Technical Memorandum dated November 12, 2022, prepared by Stantec.

- Task 5 – Decommission 5 Abandoned Monitoring Wells.
 - ✓ The number of decommissioned wells was reduced to 3 abandoned monitoring wells that included the following wells: MW 24, MW 26, and MW D-2. The decommissioning of the 3 monitoring wells were reported to ADEC in the Technical Memorandum dated November 12, 2022, prepared by Stantec.

Proposed CAP Work Plan Tasks for 2023

The following table summarizes the proposed tasks and implementation schedule for the 2023 CAP:

2023 CAP Work Plan Tasks and Schedule

Work Plan Task		1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
Task 1	Monitoring Wells: MW-3, MW-4, MW-8, MW-14, MW-17, MW-19-1, MW-19-2, CRW, ERW, OMW-3, OMW-4, and Aeration Treatment Tank (effluent discharged to the drainfield)			V, G, D, P & I	
Task 2	O&M Free Product Recovery Systems in remediation wells CRW-2 and WRW 2020. In addition, free product will be monitored and removed when found in MW 19-1 and MW 19-2.	✓	✓	✓	✓

Task 3	Drill 5 to 6 Confirmation Soil Borings (CSBs) to Delineate and Characterize the Petroleum Contaminate Source on the Speedway Store #5313 and the former IFC property (currently owned by Crowley).		✓	✓	
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Key:

- AK – Alaska Test Method
- D – Diesel range organics by AK102.
- G – Gasoline range organics by AK101.
- I – Intrinsic indicators consisting of dissolved oxygen, specific conductance, oxygen-reduction potential, pH, and temperature.
- O&M – Operation and Maintenance
- V – Volatile organic compounds by EPA Test Method 8260C.
- P – Polynuclear aromatic hydrocarbons (PAHs), i.e., semi-volatile organic compounds, by EPA Test Method 8270D Selective Ion Monitoring (SIM).

- Task 1 – Groundwater Monitoring

Annual monitoring of the groundwater wells and the free product recovery wells will be conducted. Sampling locations and analyses for the groundwater monitoring wells and free product recovery wells are listed on the 2023 Work Plan Schedule shown above.

The number of wells to be monitored in 2023 increased in number compared to past annual groundwater monitoring events and include the following four wells located upgradient of the existing Interceptor Trench on the Crowley property (former IFC) as shown on the attached site plan: CRW, ERW, OMW-3, and OMW-4.

- Task 2 – O&M Remediation System

Perform quarterly maintenance on the free product recovery wells CRW-2 and WRW 2020. The O&M work will include quarterly maintenance on the free product recovery wells, the groundwater drawdown pump, the aeration blower, the iMonnit sensors and extraction of free product with a peristaltic pump as necessary.

The submersible drawdown pumps in wells CRW-2 and WRW 2020 are operated on a continuous basis (24 hours per day). The drawdown water from both wells discharges to the on-site 1,500 gallon, 2 compartment aeration treatment tank that flows into the on-site drainfield Infiltrator[®] system for additional treatment.

The free product recovered from remediation wells CRW-2 and WRW 2020 and groundwater monitoring wells MW 19-1 and MW 19-2 will be collected with a peristaltic pump and temporarily stored on-site in a double-walled drum. The volume of the stored free product will be measured and properly disposed of at an ADEC approved off-site treatment facility.

- Task 3 – Drill 5 to 6 Confirmation Soil Borings to Delineate and Characterize the Petroleum Contaminate Source on the former IFC property and Speedway Store 5313.

This task consists of the drilling 5 to 6 soil confirmation borings (CSBs) located at strategic locations on IFC property and Speedway Store 5313. These CSBs will be used to further to delineate and characterize the residual petroleum contamination discovered during the 2022 CSBs investigation completed by Stantec on these sites. The proposed CSBs will be strategically located in positions that are assumed “upgradient” of the 2022 CSBs. Prior to implementing this task, Stantec will prepare a work plan for the installation and sampling of the proposed CSBs and submit it to ADEC for review and approval.

The Corrective Action Work Plan for the year 2023 will be implemented by Stantec on behalf of Tesoro c/o MPC. Groundwater monitoring will be conducted to track migration and trends of contaminants that are present at the site.

All sampling activities will be completed in accordance with ADEC’s *Underground Storage Tanks Procedures Manual– Standard Sampling Procedures* (March 22, 2017). The methods that will be used for conducting a monitoring event, unless otherwise noted in the monitoring report, will include:

- The static water levels in the monitoring wells will be measured with respect to the top of each well casing. The elevation of the static water level will be based on an arbitrary datum established on-site during a vertical control survey that will be completed by Stantec on an annual basis. The survey will be performed during the summer after the seasonal frost layer thaws.
- The monitoring wells will be purged of a minimum of three well bore volumes prior to collecting the water samples. A new, disposable, Teflon[®] bailer will be used to sample each well. The first bail of water removed from each well will be examined for petroleum odor, sheen, and any other unique physical features.
- Water samples will be collected in laboratory-supplied sample containers. The samples will be delivered to an ADEC-approved laboratory in accordance with standard chain-of-custody procedures.
- Additional water samples will be collected from the monitoring wells after the well has been purged, as described above, and tested in the field for chemical and physical intrinsic parameters listed in the 2023 Work Plan Schedule shown above.



If you have any questions or need additional information concerning this 2023 Corrective Action Work Plan, please contact us at (907) 248-8883.

Regards,

STANTEC CONSULTING SERVICES, INC.

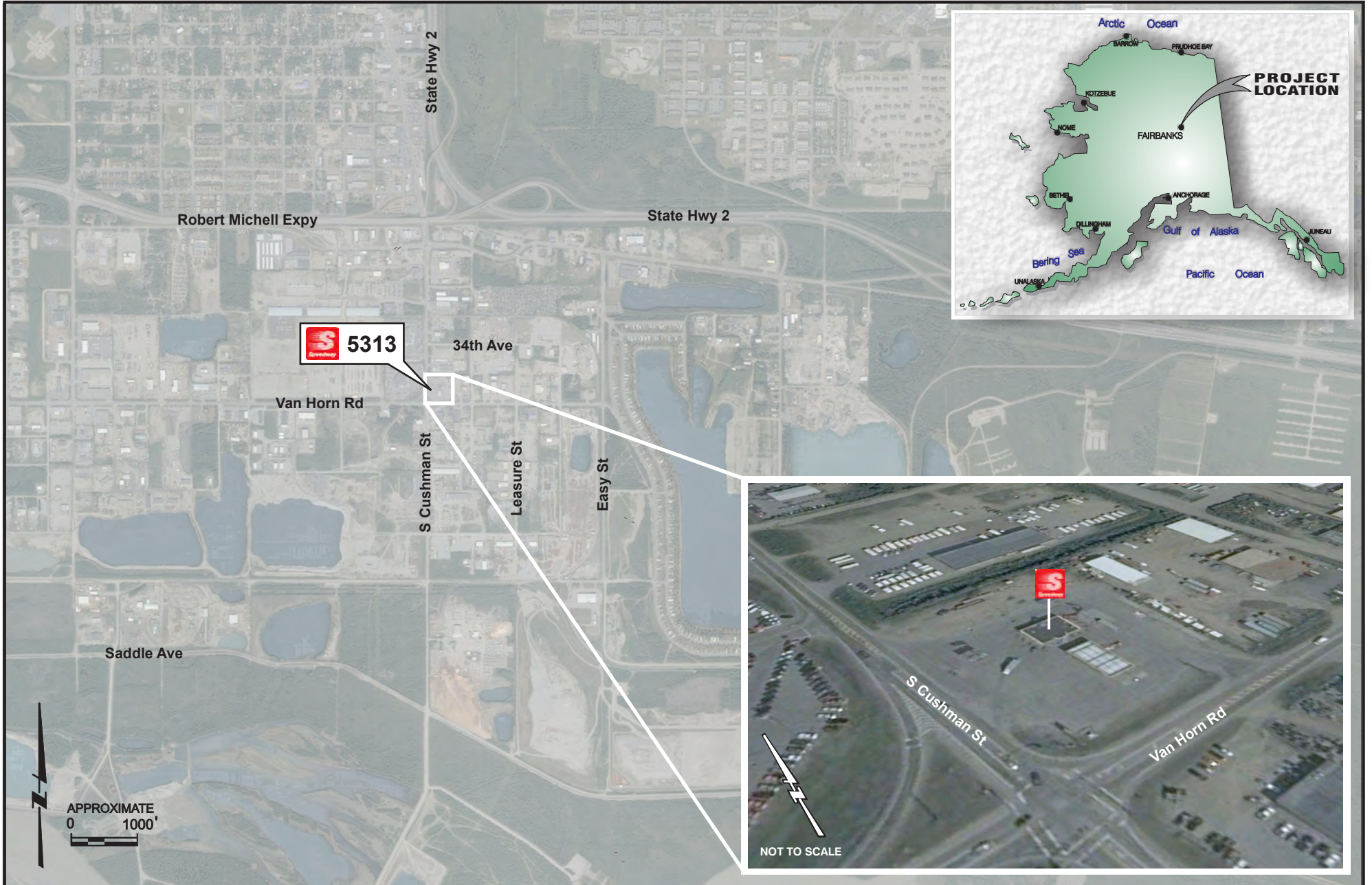
A handwritten signature in black ink, appearing to read "M. Zidek".

Michael A. Zidek, PMP
Project Manager

A handwritten signature in black ink, appearing to read "Bob E. Gilfilian".

Bob Gilfilian, P.E.
Project Technical Lead

Attachments: Location and Vicinity Map
Site Plan With Analytical Data Results September 2022 Annual GWM Event
Analytical Data Results Tables of Historical Monitoring Events



MW-30

MW-30		9/19/22
124-TMB	U(0.00100)	
135-TMB	U(0.00100)	
BENZENE	0.00167	
DRO	U(0.840)	
ETHYLBENZENE	U(0.00100)	
GRO	0.0289	
NAPHTHALENE	U(0.000250)	
TOLUENE	U(0.00100)	
XYLENES	U(0.00300)	

MW-17		9/19/22
124-TMB	0.00163	
135-TMB	0.000709	
BENZENE	0.000136	
DRO	3.4	
ETHYLBENZENE	0.000494	
GRO	0.226	
NAPHTHALENE	0.000355	
TOLUENE	0.0026	
XYLENES	0.00327	

MW19-2		9/19/22
124-TMB	FP	
135-TMB	FP	
BENZENE	FP	
DRO	FP	
ETHYLBENZENE	FP	
GRO	FP	
NAPHTHALENE	FP	
TOLUENE	FP	
XYLENES	FP	

DW

MW-14

MW-14		9/19/22
124-TMB	0.565	
135-TMB	0.174	
BENZENE	0.0349	
DRO	2.72	
ETHYLBENZENE	0.532	
GRO	6.86	
NAPHTHALENE	0.331	
TOLUENE	0.03	
XYLENES	3.37	

MW19-1		9/19/22
124-TMB	0.27	
135-TMB	0.103	
BENZENE	0.021	
DRO	12.2	
ETHYLBENZENE	0.132	
GRO	2.93	
NAPHTHALENE	0.126	
TOLUENE	0.00481	
XYLENES	0.627	

MW-3		9/19/22
124-TMB	0.168	
135-TMB	0.0826	
BENZENE	0.00325	
DRO	5.91	
ETHYLBENZENE	0.043	
GRO	1.87	
NAPHTHALENE	0.0358	
TOLUENE	0.023	
XYLENES	0.638	

APPROXIMATE LOCATION 2021 DRAINFIELD THREE ROWS OF INFILTRATORS WITH OBSERVATION PIPE (6 TYP) (BOTTOM AREA 45' x 10')

MW-4

MW-4		9/19/22
124-TMB	U(0.00100)	
135-TMB	U(0.00100)	
BENZENE	U(0.00100)	
DRO	U(0.840)	
ETHYLBENZENE	U(0.00100)	
GRO	0.0433	
NAPHTHALENE	U(0.000250)	
TOLUENE	0.0122	
XYLENES	U(0.00300)	

MW-17

MW19-2

MW19-1

MW-3

REMEDIATION SHED WRW

WRW-2020

CRW-2

CRW-2 SHED

OMW-2

OMW-1

WRW

MW-8

1/2 HP BLOWER

AERATION TREATMENT TANK

OMW-3

ERW

OMW-4

2006 DRAINFIELD TWO ROWS OF INFILTRATORS WITH OBSERVATION PIPE (6 TYP) (BOTTOM AREA 100' x 6')

STORAGE SHED

OBSERVATION PIPE

MW-23

Effluent		9/19/22
124-TMB	0.00796	
135-TMB	0.00256	
BENZENE	0.000169	
DRO	1.51	
ETHYLBENZENE	0.00292	
GRO	0.0712	
NAPHTHALENE	U(0.000250)	
TOLUENE	U(0.00100)	
XYLENES	0.0159	

CRW-2		9/19/22
124-TMB	0.105	
135-TMB	0.0305	
BENZENE	0.000936	
DRO	2.35	
ETHYLBENZENE	0.0335	
GRO	0.602	
NAPHTHALENE	0.00596	
TOLUENE	0.000641	
XYLENES	0.155	

WRW-2020		9/19/22
124-TMB	0.0715	
135-TMB	0.022	
BENZENE	0.00217	
DRO	0.237	
ETHYLBENZENE	0.0397	
GRO	0.563	
NAPHTHALENE	0.0159	
TOLUENE	U(0.00100)	
XYLENES	0.171	

MW-8		9/19/22
124-TMB	0.245	
135-TMB	0.116	
BENZENE	U(0.00500)	
DRO	11.3	
ETHYLBENZENE	0.0269	
GRO	1.5	
NAPHTHALENE	0.0509	
TOLUENE	0.00407	
XYLENES	0.456	

MW-26

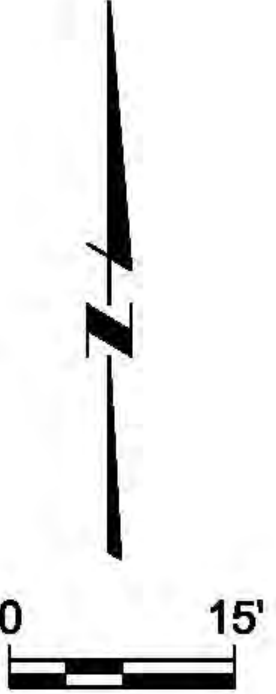
DUMPSTER PEN

CROWLEY PETROLEUM (FORMERLY INTERIOR FUELS COMPANY) BUILDING

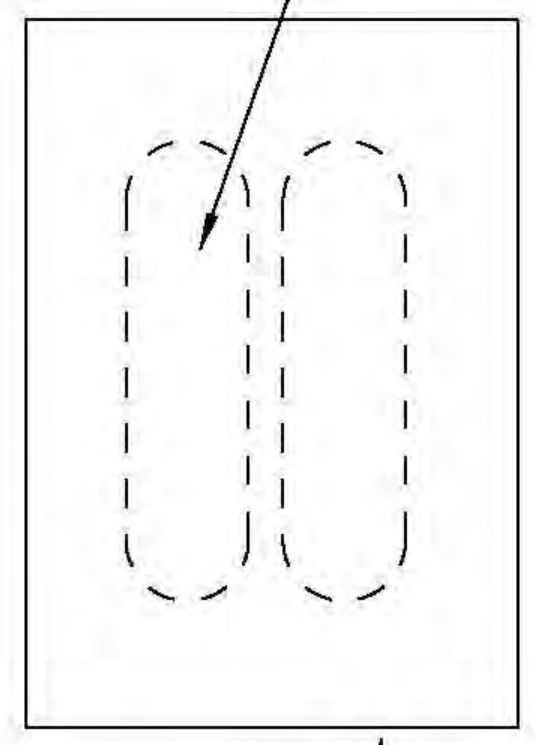
LEGEND:

- PROPERTY LINE
- - - 3 EA. 4" DIA. ENVIROFLEX SECONDARY PIPING
- INTERCEPTOR TRENCH
- FENCE
- ⊗ PROPOSED CSB/OIP
- OBSERVATION WELL
- ⊕ 6" RECOVERY WELL
- ⊕ 10" RECOVERY WELL
- ⊕ MONITORING WELL
- ⊕ PRIVATE INDUSTRIAL WELL
- CRW CENTRAL RECOVERY WELL
- ERW EAST RECOVERY WELL
- OMW OBSERVATION WELL
- OWE OBSERVATION WELL EAST
- WRW WEST RECOVERY WELL

SITE DATA COMPARED TO ADEC Groundwater Cleanup Levels (GCLs)			
ND	NOT DETECTED	124-TMB	0.056 mg/L
--	NOT SAMPLED	135-TMB	0.06 mg/L
50	SAMPLED & UNDER GCL	BENZENE	0.0046 mg/L
100	SAMPLED & OVER GCL	DRO	1.5 mg/L
FP	FREE PRODUCT DISPLAYED IN mg/L	ETHYLBENZENE	0.015 mg/L
		GRO	2.2 mg/L
		NAPHTHALENE	0.0017 mg/L
		TOLUENE	1.1 mg/L
		XYLENES	0.19 mg/L



UNDERGROUND STORAGE TANKS (TYP OF 2)



SPEEDWAY STORE 5313 (FORMER TESORO 2 GO MART #101 & IFC)

Site Plan With Analytical Data Results September 2022 Annual GWM Event

FIGURE

2

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Analytical Data Results Table

MPC #157575 TNS101/IFC
 Marathon Petroleum - Danny Monson
 3569 South Cushman Street,
 Fairbanks, Alaska

Unit	ft	ft	ppm	ppm	ppm
GW Human Health Cleanup			0.0046	1.5	2.2
MW-1					
11/04/1991	--	--	0.278	—	—
10/13/1998	--	--	0.149	47.8	10
MW-2					
11/04/1991	--	--	U	—	—
04/23/1992	--	--	U	—	—
07/16/1992	--	--	U	—	—
08/11/1992	--	--	U	—	—
10/07/1992	--	--	U	—	—
12/21/1992	--	--	U	—	—
03/09/1993	--	--	U	—	—
06/16/1993	--	--	U	—	—
09/07/1993	--	--	U	—	—
12/13/1993	--	--	U	—	—
03/31/1994	--	--	U	—	—
09/23/1994	--	--	U	—	—
12/12/1994	--	--	U	—	—
03/12/1995	--	--	U	—	—
04/13/1995	--	--	U	—	—
07/19/1995	--	--	U	—	—
10/25/1995	--	--	U	U	—
05/22/1996	--	--	U	—	—
11/06/1996	--	--	U	—	—
03/19/1997	--	--	U	—	—
11/17/1997	--	--	U	—	U
04/29/1998	--	--	U	0.203	U
10/13/1998	--	--	U	0.278	U
07/27/2000	--	--	U	0.314	U
06/04/2001	--	--	U	U	U
05/13/2009	--	--	U (0.0005)	U (0.467)	U (0.05)

Analytical Data Results Table

MPC #157575 TNS101/IFC
 Marathon Petroleum - Danny Monson
 3569 South Cushman Street,
 Fairbanks, Alaska

Unit	ft	ft	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
GW Human Health Cleanup			0.056	0.06	0.0046	1.5	0.015	2.2	0.0017	1.1	0.19	
MW-3												
04/13/1995	--	--	—	—	<u>0.09</u>	—	—	—	—	—	—	—
10/25/1995	--	--	—	—	<u>0.48</u>	<u>200</u>	—	—	—	—	—	—
05/22/1996	--	--	—	—	<u>0.05</u>	—	—	—	—	—	—	—
03/19/1997	--	--	—	—	<u>0.095</u>	—	—	—	—	—	—	—
11/17/1997	--	--	—	—	<u>0.0421</u>	—	—	2.2	—	—	—	—
04/29/1998	--	--	—	—	<u>0.0273</u>	<u>118</u>	—	<u>2.3</u>	—	—	—	—
05/06/2014	--	--	—	—	U (0.0005)	1.1	—	0.072	—	—	—	—
09/07/2017	--	--	—	—	<u>0.024</u>	<u>160</u>	—	<u>3.7</u>	—	—	—	—
09/07/2018	--	--	—	—	0.0033	<u>60</u>	—	1.3	—	—	—	—
10/23/2019	--	--	—	—	<u>0.0047</u>	<u>210</u>	—	<u>3.1</u>	—	—	—	—
10/21/2020	--	--	—	—	<u>0.00735</u>	<u>2.67</u>	—	1.37	—	—	—	—
09/19/2022	--	--	<u>0.168</u>	<u>0.0826</u>	0.00325	<u>5.91</u>	<u>0.043</u>	1.87	<u>0.0358</u>	0.023	<u>0.638</u>	

Analytical Data Results Table

MPC #157575 TNS101/IFC
 Marathon Petroleum - Danny Monson
 3569 South Cushman Street,
 Fairbanks, Alaska

	Well Screen Interval	Ground Water Elevation	124-TMB	135-TMB	Benzene	DRO	Ethylbenzene	GRO	Naphthalene	Toluene	Xylenes
Unit	ft	ft	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
GW Human Health Cleanup			0.056	0.06	0.0046	1.5	0.015	2.2	0.0017	1.1	0.19
MW-4											
11/04/1991	--	--	—	—	U (0.0005)	—	—	—	—	—	—
01/28/1992	--	--	—	—	—	—	U	—	—	—	—
04/23/1992	--	--	—	—	—	U	—	—	—	—	—
07/16/1992	--	--	—	—	U (0.0005)	—	—	—	—	—	—
08/11/1992	--	--	—	—	—	—	—	0.308	—	—	—
09/10/1992	--	--	—	—	—	0.581	—	—	—	—	—
10/07/1992	--	--	—	—	U (0.0005)	—	—	—	—	—	—
12/21/1992	--	--	—	—	—	—	—	U (0.05)	—	—	—
03/09/1993	--	--	—	—	—	U (0.417)	—	—	—	—	—
09/23/1994	--	--	—	—	U (0.0005)	—	—	—	—	—	—
03/12/1995	--	--	—	—	—	—	—	U (0.05)	—	—	—
04/13/1995	--	--	—	—	—	U (0.455)	—	—	—	—	—
07/19/1995	--	--	—	—	U (0.0005)	—	—	—	—	—	—
10/25/1995	--	--	—	—	—	—	—	U (0.05)	—	—	—
05/22/1996	--	--	—	—	—	0.439	—	—	—	—	—
11/06/1996	--	--	—	—	U (0.0005)	—	—	—	—	—	—
03/19/1997	--	--	—	—	—	—	—	U (0.05)	—	—	—
11/17/1997	--	--	—	—	—	0.565	—	—	—	—	—
04/29/1998	--	--	—	—	U (0.0005)	—	—	—	—	—	—
10/13/1998	--	--	—	—	—	—	—	U (0.05)	—	—	—
11/05/1999	--	--	—	—	—	U (0.400)	—	—	—	—	—
06/04/2001	--	--	—	—	U (0.0005)	—	—	—	—	—	—
11/30/2001	--	--	—	—	—	—	—	U (0.05)	—	—	—
08/20/2002	--	--	—	—	—	U (0.41)	—	—	—	—	—
08/04/2003	--	--	—	—	U (0.001)	—	—	—	—	—	—
05/03/2004	--	--	—	—	—	—	—	U (0.05)	—	—	—
05/16/2006	--	--	—	—	—	U (0.21)	—	—	—	—	—
09/14/2006	--	--	—	—	U (0.0020)	—	—	—	—	—	—
05/14/2007	--	--	—	—	—	—	—	U (0.1)	—	—	—
06/04/2008	--	--	—	—	—	0.78	—	—	—	—	—
05/13/2009	--	--	—	—	U (0.00040)	—	—	—	—	—	—
06/15/2010	--	--	—	—	—	—	—	U (0.150)	—	—	—
05/26/2011	--	--	—	—	—	0.59	—	—	—	—	—
05/24/2012	--	--	—	—	U (0.00040)	—	—	—	—	—	—
08/12/2013	--	--	—	—	—	—	—	U (0.150)	—	—	—
05/06/2014	--	--	—	—	—	U (0.28)	—	—	—	—	—
05/26/2015	--	--	—	—	U (0.003)	—	—	—	—	—	—
05/12/2016	--	--	—	—	—	—	—	U (0.25)	—	—	—
09/07/2017	--	--	—	—	—	0.33 H	—	—	—	—	—

Analytical Data Results Table

MPC #157575 TNS101/IFC
 Marathon Petroleum - Danny Monson
 3569 South Cushman Street,
 Fairbanks, Alaska

		Well Screen Interval	Ground Water Elevation	124-TMB	135-TMB	Benzene	DRO	Ethylbenzene	GRO	Naphthalene	Toluene	Xylenes
Unit	ft	ft	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
GW Human Health Cleanup			0.056	0.06	0.0046	1.5	0.015	2.2	0.0017	1.1	0.19	
MW-4	09/07/2018	--	--	--	U(0.001)	--	--	--	--	--	--	--
	10/23/2019	--	--	--	--	--	--	0.595	--	--	--	--
	10/21/2020	--	--	--	--	0.95	--	--	--	--	--	--
	09/19/2022	--	--	U(0.00100)	U(0.00100)	U(0.00100)	U(0.840)	U(0.00100)	0.0433	U(0.000250)	0.0122	U(0.00300)

Analytical Data Results Table

MPC #157575 TNS101/IFC
 Marathon Petroleum - Danny Monson
 3569 South Cushman Street,
 Fairbanks, Alaska

	<i>Well Screen Interval</i>		<i>Ground Water Elevation</i>		
Unit	ft	ft	Benzene ppm	DRO ppm	GRO ppm
GW Human Health Cleanup			0.0046	1.5	2.2
MW-5					
11/04/1991	--	--	U	—	—
01/28/1992	--	--	U	—	—
04/23/1992	--	--	U	—	—
07/16/1992	--	--	U	—	—
08/11/1992	--	--	U	—	—
09/10/1992	--	--	U	—	—
10/07/1992	--	--	U	—	—
12/21/1992	--	--	U	—	—
03/09/1993	--	--	U	—	—
06/16/1993	--	--	U	—	—
09/07/1993	--	--	U	—	—
12/13/1993	--	--	U	—	—
03/31/1994	--	--	U	—	—
09/23/1994	--	--	U	—	—
12/12/1994	--	--	U	—	—
03/12/1995	--	--	U	—	—
04/13/1995	--	--	U	—	—
07/19/1995	--	--	U	—	—
10/25/1995	--	--	U	—	—
05/22/1996	--	--	U	—	—
11/06/1996	--	--	U	—	—
03/19/1997	--	--	U	—	—
11/17/1997	--	--	U	—	U
04/29/1998	--	--	U	0.106	U
10/13/1998	--	--	U	0.129	U
11/04/1999	--	--	U	U	U
11/30/2001	--	--	U	U	U
08/04/2003	--	--	U	U	U

Analytical Data Results Table

MPC #157575 TNS101/IFC
 Marathon Petroleum - Danny Monson
 3569 South Cushman Street,
 Fairbanks, Alaska

	<i>Well Screen Interval</i>		<i>Ground Water Elevation</i>		
	<i>ft</i>	<i>ft</i>	<i>Benzene</i>	<i>DRO</i>	<i>GRO</i>
Unit	ft	ft	ppm	ppm	ppm
GW Human Health Cleanup			0.0046	1.5	2.2
MW-6					
01/28/1992	--	--	U	—	—
04/23/1992	--	--	U	—	—
07/16/1992	--	--	U	—	—
08/11/1992	--	--	U	—	—
09/10/1992	--	--	U	—	—
10/07/1992	--	--	U	—	—
12/21/1992	--	--	U	—	—
03/09/1993	--	--	U	—	—
06/16/1993	--	--	U	—	—
09/07/1993	--	--	U	—	—
12/12/1994	--	--	U	—	—
10/25/1995	--	--	U	U	—
05/22/1996	--	--	U	—	—
11/06/1996	--	--	U	—	—
03/19/1997	--	--	U	—	—
11/17/1997	--	--	U	—	U
04/29/1998	--	--	U	0.119	U
10/13/1998	--	--	U	0.151	U
07/27/2000	--	--	U	0.331	U
11/30/2001	--	--	U	1.61	U

Analytical Data Results Table

MPC #157575 TNS101/IFC
 Marathon Petroleum - Danny Monson
 3569 South Cushman Street,
 Fairbanks, Alaska

	<i>Well Screen Interval</i>		<i>Ground Water Elevation</i>		
	<i>ft</i>	<i>ft</i>	<i>ppm</i>	<i>ppm</i>	<i>ppm</i>
Unit	ft	ft	ppm	ppm	ppm
GW Human Health Cleanup			0.0046	1.5	2.2
MW-7					
01/28/1992	--	--	U	--	--
04/23/1992	--	--	U	--	--
07/16/1992	--	--	U	--	--
08/11/1992	--	--	U	--	--
09/10/1992	--	--	U	--	--
10/07/1992	--	--	U	--	--
12/21/1992	--	--	U	--	--
03/09/1993	--	--	U	--	--
06/16/1993	--	--	U	--	--
09/07/1993	--	--	U	--	--
12/13/1993	--	--	U	--	--
03/31/1994	--	--	U	--	--
09/23/1994	--	--	U	--	--
03/12/1995	--	--	U	--	--
04/13/1995	--	--	U	--	--
07/19/1995	--	--	U	--	--
10/25/1995	--	--	U	U	--
05/22/1996	--	--	U	--	--
11/06/1996	--	--	U	--	--
03/19/1997	--	--	U	--	--
11/17/1997	--	--	U	--	U
04/29/1998	--	--	0.00223	0.132	U

Analytical Data Results Table

MPC #157575 TNS101/IFC
 Marathon Petroleum - Danny Monson
 3569 South Cushman Street,
 Fairbanks, Alaska

	<i>Well Screen Interval</i>	<i>Ground Water Elevation</i>	<i>124-TMB</i>	<i>135-TMB</i>	<i>Benzene</i>	<i>DRO</i>	<i>Ethylbenzene</i>	<i>GRO</i>	<i>Naphthalene</i>	<i>Toluene</i>	<i>Xylenes</i>
Unit	ft	ft	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
GW Human Health Cleanup			0.056	0.06	0.0046	1.5	0.015	2.2	0.0017	1.1	0.19
MW-8											
08/30/2004	--	--	—	—	<u>0.00516</u>	<u>1.69</u>	—	0.329	—	—	—
09/27/2005	--	--	—	—	U (0.0005)	U (0.4)	—	U (0.05)	—	—	—
05/16/2006	--	--	—	—	0.000695	<u>4.12</u>	—	0.0766	—	—	—
09/14/2006	--	--	—	—	<u>0.00645</u>	0.956	—	0.284	—	—	—
06/04/2008	--	--	—	—	0.00188	<u>5.81</u>	—	0.45	—	—	—
05/13/2009	--	--	—	—	0.00238	<u>12.6</u>	—	0.74	—	—	—
06/15/2010	--	--	—	—	<u>0.00467</u>	<u>2.45</u>	—	1.39	—	—	—
05/26/2011	--	--	—	—	0.00188	<u>13.1</u>	—	1.1	—	—	—
05/24/2012	--	--	—	—	0.00134	<u>1.88</u>	—	0.524	—	—	—
05/07/2014	--	--	—	—	0.00067	<u>43</u>	—	2.2	—	—	—
05/26/2015	--	--	—	—	0.0025	<u>65</u>	—	<u>2.8</u>	—	—	—
05/12/2016	--	--	—	—	0.00087	<u>12</u>	—	0.86	—	—	—
09/07/2017	--	--	—	—	<u>0.016</u>	<u>27</u>	—	0.39	—	—	—
09/07/2018	--	--	—	—	0.00067	<u>20</u>	—	0.28	—	—	—
10/23/2019	--	--	—	—	U (0.003)	<u>12</u>	—	0.45	—	—	—
10/21/2020	--	--	—	—	0.000695	<u>8.97</u>	—	0.126	—	—	—
09/19/2022	--	--	0.245	0.116	U(0.00500)	11.3	0.0269	1.5	0.0509	0.00407	0.456
MW-13											
11/04/1999	--	--	—	—	<u>0.00468</u>	1.26	—	0.096	—	—	—
07/27/2000	--	--	—	—	<u>0.012</u>	0.848	—	0.32	—	—	—
06/04/2001	--	--	—	—	0.00276	0.831	—	U	—	—	—

Analytical Data Results Table

MPC #157575 TNS101/IFC
 Marathon Petroleum - Danny Monson
 3569 South Cushman Street,
 Fairbanks, Alaska

Unit	ft	ft	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	Well Screen Interval	Ground Water Elevation	124-TMB	135-TMB	Benzene	DRO	Ethylbenzene	GRO	Naphthalene	Toluene	Xylenes	
GW Human Health Cleanup			0.056	0.06	0.0046	1.5	0.015	2.2	0.0017	1.1	0.19	
MW-14												
04/01/2005	--	--	—	—	0.0162	22	—	2.16	—	—	—	—
09/27/2005	--	--	—	—	0.0194	4.34	—	1.07	—	—	—	—
09/14/2006	--	--	—	—	0.00323	1.51	—	0.457	—	—	—	—
06/04/2008	--	--	—	—	0.0128	3.02	—	0.964	—	—	—	—
05/13/2009	--	--	—	—	0.0267	1.77	—	2.18	—	—	—	—
06/15/2010	--	--	—	—	0.0119	1.89	—	1.15	—	—	—	—
05/26/2011	--	--	—	—	0.0103	3.78	—	1.23	—	—	—	—
05/24/2012	--	--	—	—	0.00271	2.72	—	0.284	—	—	—	—
08/12/2013	--	--	—	—	0.0442	120	—	3.77	—	—	—	—
05/06/2014	--	--	—	—	0.027	67	—	12	—	—	—	—
05/26/2015	--	--	—	—	0.02	6.4	—	3.6	—	—	—	—
09/07/2017	--	--	—	—	0.05	14	—	6.5	—	—	—	—
09/07/2018	--	--	—	—	0.074	26	—	U (7.5)	—	—	—	—
10/23/2019	--	--	—	—	0.054	15 H	—	12	—	—	—	—
10/21/2020	--	--	—	—	0.0585	4.75	—	6.68	—	—	—	—
09/19/2022	--	--	0.565	0.174	0.0349	2.72	0.532	6.86	0.331	0.03	3.37	
MW-16												
11/04/1999	--	--	—	—	U	1.83	—	2.4	—	—	—	—
06/04/2001	--	--	—	—	U	1.61	—	U	—	—	—	—
08/20/2002	--	--	—	—	0.0006	1.22	—	1.63	—	—	—	—
05/16/2006	--	--	—	—	U (0.0005)	1.06	—	U (0.050)	—	—	—	—
09/14/2006	--	--	—	—	U (0.0005)	0.908	—	0.237	—	—	—	—
05/14/2007	--	--	—	—	U (0.0005)	1.12	—	U (0.050)	—	—	—	—
06/04/2008	--	--	—	—	U (0.0005)	U (0.4)	—	U (0.050)	—	—	—	—

Analytical Data Results Table

MPC #157575 TNS101/IFC
 Marathon Petroleum - Danny Monson
 3569 South Cushman Street,
 Fairbanks, Alaska

	Well Screen Interval	Ground Water Elevation	124-TMB	135-TMB	Benzene	DRO	Ethylbenzene	GRO	Naphthalene	Toluene	Xylenes
Unit	ft	ft	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
GW Human Health Cleanup			0.056	0.06	0.0046	1.5	0.015	2.2	0.0017	1.1	0.19
MW-17											
07/27/2000	--	--	--	--	<u>0.07</u>	<u>57.6</u>	--	<u>6.8</u>	--	--	--
08/04/2003	--	--	--	--	0.0016	<u>4.5</u>	--	0.535	--	--	--
05/03/2004	--	--	--	--	<u>0.0823</u>	<u>65.2</u>	--	1.14	--	--	--
04/01/2005	--	--	--	--	<u>0.0148</u>	<u>118</u>	--	<u>5.37</u>	--	--	--
09/27/2005	--	--	--	--	0.00422	<u>6.53</u>	--	0.204	--	--	--
05/16/2006	--	--	--	--	0.000652	<u>51.2</u>	--	0.633	--	--	--
09/14/2006	--	--	--	--	<u>0.00634</u>	<u>9.33</u>	--	0.642	--	--	--
05/14/2007	--	--	--	--	0.00182	<u>74.1</u>	--	0.467	--	--	--
06/04/2008	--	--	--	--	0.00054	<u>3.49</u>	--	0.213	--	--	--
05/13/2009	--	--	--	--	U (0.0005)	1.11	--	U (0.05)	--	--	--
06/15/2010	--	--	--	--	0.00384	<u>3.7</u>	--	0.148	--	--	--
05/26/2011	--	--	--	--	U (0.0005)	0.963	--	U (0.05)	--	--	--
05/24/2012	--	--	--	--	U (0.0005)	1.05	--	0.122	--	--	--
08/12/2013	--	--	--	--	U (0.0005)	114	--	1.68	--	--	--
05/06/2014	--	--	--	--	U (0.0005)	<u>28</u>	--	1.2	--	--	--
05/26/2015	--	--	--	--	U (0.0010)	<u>32</u>	--	<u>3.9</u>	--	--	--
05/12/2016	--	--	--	--	U (0.00026)	<u>74</u>	--	<u>3.3</u>	--	--	--
09/07/2017	--	--	--	--	<u>0.0059</u>	<u>47</u>	--	<u>2.4</u>	--	--	--
09/07/2018	--	--	--	--	<u>0.0064</u>	<u>24</u>	--	<u>2.9</u>	--	--	--
10/23/2019	--	--	--	--	<u>0.0077</u>	<u>14</u>	--	0.38	--	--	--
10/21/2020	--	--	--	--	<u>0.0732</u>	<u>17.7</u>	--	<u>3.2</u>	--	--	--
09/19/2022	--	--	0.00163	0.000709	0.000136	<u>3.4</u>	0.000494	0.226	0.000355	0.0026	0.00327
MW-18											
11/04/1999	--	--	--	--	U	<u>24.6</u>	--	<u>3.4</u>	--	--	--
07/27/2000	--	--	--	--	U	<u>6.06</u>	--	U	--	--	--
06/04/2001	--	--	--	--	U	<u>11.6</u>	--	1.42	--	--	--
MW-19											
07/27/2000	--	--	--	--	<u>0.044</u>	1.14	--	U	--	--	--
06/04/2001	--	--	--	--	0.00372	1.05	--	0.271	--	--	--

Analytical Data Results Table

MPC #157575 TNS101/IFC
 Marathon Petroleum - Danny Monson
 3569 South Cushman Street,
 Fairbanks, Alaska

Unit	ft	ft	ppm	ppm	ppm
	Well Screen Interval	Ground Water Elevation	Benzene	DRO	GRO
GW Human Health Cleanup			0.0046	1.5	2.2
MW-20					
07/27/2000	--	--	U	0.997	U
MW-21					
07/27/2000	--	--	0.028	1.55	U
MW-22					
07/27/2000	--	--	U	0.00779	U
MW-24					
11/30/2001	--	--	0.0142	0.714	0.23
04/24/2002	--	--	0.0144	0.686	0.213
08/20/2002	--	--	U	U	U
08/04/2003	--	--	0.0007	U	0.115
05/03/2004	--	--	0.0342	4.32	1.12
04/01/2005	--	--	0.0147	17.6	2
09/27/2005	--	--	U (0.0005)	1.29	U (0.05)
09/14/2006	--	--	0.0027	1.15	0.052
MW-25					
11/30/2001	--	--	U	U	U
MW-26					
04/24/2002	--	--	0.0024	1.42	0.0909
MW-27					
11/30/2001	--	--	U	U	U
04/24/2002	--	--	U	U	U
08/20/2002	--	--	U	0.54	U
08/04/2003	--	--	U	0.589	U
MW-28					
11/30/2001	--	--	0.0031	0.747	U
04/24/2002	--	--	U	0.57	U
08/20/2002	--	--	0.004	0.878	U
MW-29					
10/16/2003	--	--	U	U	U
05/03/2004	--	--	U	U	U
09/27/2005	--	--	U (0.0005)	U (0.403)	U (0.05)

Analytical Data Results Table

MPC #157575 TNS101/IFC
 Marathon Petroleum - Danny Monson
 3569 South Cushman Street,
 Fairbanks, Alaska

Unit	ft	ft	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
GW Human Health Cleanup			0.056	0.06	0.0046	1.5	0.015	2.2	0.0017	1.1	0.19	
MW-30												
10/16/2003	--	--	—	—	U	U	—	U	—	—	—	—
05/03/2004	--	--	—	—	U	U	—	U	—	—	—	—
09/19/2022	--	--	U(0.00100)	U(0.00100)	0.00167	U(0.840)	U(0.00100)	0.0289	U(0.000250)	U(0.00100)	U(0.00300)	
WRW2020												
07/16/2020	--	--	—	—	10.6	—	—	—	—	—	—	—
10/22/2020	--	--	—	—	0.00339	1.05	—	0.588	—	—	—	—
09/19/2022	--	--	0.0715	0.022	0.00217	0.237	0.0397	0.563	0.0159	U(0.00100)	0.171	

Analytical Data Results Table

MPC #157575 TNS101/IFC
 Marathon Petroleum - Danny Monson
 3569 South Cushman Street,
 Fairbanks, Alaska

Unit	Well Screen Interval	Ground Water Elevator.	124-TMB	135-TMB	Benzene	DRO	Ethylbenzene	GRO	Naphthalene	Toluene	Xylenes
Unit	ft	ft	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
GW Human Health Cleanup			0.056	0.06	0.0046	1.5	0.015	2.2	0.0017	1.1	0.19
CRW-2											
09/24/2013	--	--	—	—	U (0.0005)	U (0.439)	—	U (0.05)	—	—	—
05/07/2014	--	--	—	—	0.0014	1.2	—	0.05	—	—	—
09/07/2017	--	--	—	—	0.016	0.96	—	0.35	—	—	—
09/07/2018	--	--	—	—	0.013	2.8	—	0.91	—	—	—
10/23/2019	--	--	—	—	0.011	1.4	—	0.99	—	—	—
10/22/2020	--	--	—	—	0.00739	1.51	—	0.385	—	—	—
09/19/2022	--	--	0.105	0.0305	0.000936	2.35	0.0335	0.602	0.00596	0.000641	0.155
G-1											
05/01/2001	--	--	—	—	U	U	—	U	—	—	—
11/30/2001	--	--	—	—	U	U	—	U	—	—	—
04/24/2002	--	--	—	—	U	U	—	U	—	—	—
08/20/2002	--	--	—	—	U	U	—	U	—	—	—
08/04/2003	--	--	—	—	U	U	—	U	—	—	—
IFC Aeration Tank											
05/24/2012	--	--	—	—	0.00486	0.478	—	0.532	—	—	—
05/26/2015	--	--	—	—	0.0065	21	—	0.59	—	—	—
05/12/2016	--	--	—	—	0.005	U (0.43)	—	0.21	—	—	—
09/07/2017	--	--	—	—	U (0.00040)	0.74	—	U (0.150)	—	—	—
09/07/2018	--	--	—	—	U (0.00040)	0.28	—	U (0.150)	—	—	—
10/23/2019	--	--	—	—	U (0.003)	0.37	—	U (0.25)	—	—	—
10/22/2020	--	--	—	—	0.000701	0.988	—	0.0861	—	—	—
09/19/2022	--	--	0.00796	0.00256	0.000169	1.51	0.00292	0.0712	U(0.000250)	U(0.00100)	0.0159
MW19-1											
06/26/2019	--	--	—	—	0.048	2.0 H	—	5.2	—	—	—
10/23/2019	--	--	—	—	0.085	42 H	—	8.6	—	—	—
09/19/2022	--	--	0.27	0.103	0.021	12.2	0.132	2.93	0.126	0.00481	0.627
MW19-2											
06/26/2019	--	--	—	—	0.074	5.0 H	—	7.4	—	—	—