

ENVIRONMENT COMMITTEE AGENDA

November 14, 2019 – North Conference Room

21630 11th Avenue South – Des Moines 98198

6:00P – 6:50P

Chair to call the meeting to order at 6:00 p.m.

1. Approval of the minutes from the meeting of 7.11.2019

2. SWM CIP Project Update (6:00 to 6:25 p.m.)
Staff will brief the Committee on status of this year's Surface Water Management Capital Projects.

3. Public Works Yard Groundwater Update (Informational 6:25 – 6:50 p.m.)
Staff will be presenting the latest groundwater monitoring trends analysis.

DRAFT MINUTES – ENVIRONMENTAL COUNCIL COMMITTEE MEETING 7.11.2019

The meeting was called to order at 5:36 PM, Thursday, July 11, 2019, in the North Conference Room @ 21630 11th Avenue South, Des Moines with the following in attendance:

Council Members

Traci Buxton (Chair)
Robert Back
Matt Pina

Guests

Water District #54 Personnel

City Staff

Michael Matthias – City Manager
Dan Brewer – Chief Operations Officer
Susan Cezar – Chief Strategic Officer
BethAnne Wroe – Finance Director
Brandon Carver – PW Director
Denise Lathrop – Development Services Manager
Loren Reinhold – SWM Utility Manager
Laura Techico – Principal Planner
Jodi Grager – Admin Assistant

AGENDA:

1. Approval of 6.13.2019 Minutes
2. 2019 Comprehensive Solid Waste Management Plan
3. Water District 54 Comprehensive Plan

MEETING:

1. Approval of the minutes of 6.13.2019 meeting – unanimous approval.
2. 2019 Comprehensive Solid Waste Management Plan: Laura Techico, Principal Planner provided a summary of the King County Plan. Des Moines is one of the 37 partnering cities that is complying with state law by participating in this process. (See Memo – Agenda Item #2) Ms. Techico stated that this is a bit of a formality, however, the City needs an action related to the adoption of the Comprehensive Plan. The Committee directed this item to be brought to Council on the August 8th Consent Calendar.
3. Water District 54 Comprehensive Plan: Warren Perkins of Gray & Osborne, Inc., Consulting Engineers presented the Comprehensive Water System Plan (See Agenda Item #3 Documents). Mr. Perkins focused on the Water District's Capital Improvement Program and the Financial Analysis. At a future date, the Water District will be requesting City approval and an endorsement of their Consistency Statement.

Meeting adjourned at 6:50 p.m.

Minutes respectfully submitted by: Jodi Grager, Admin Asst

2019 SWM CIP Activities

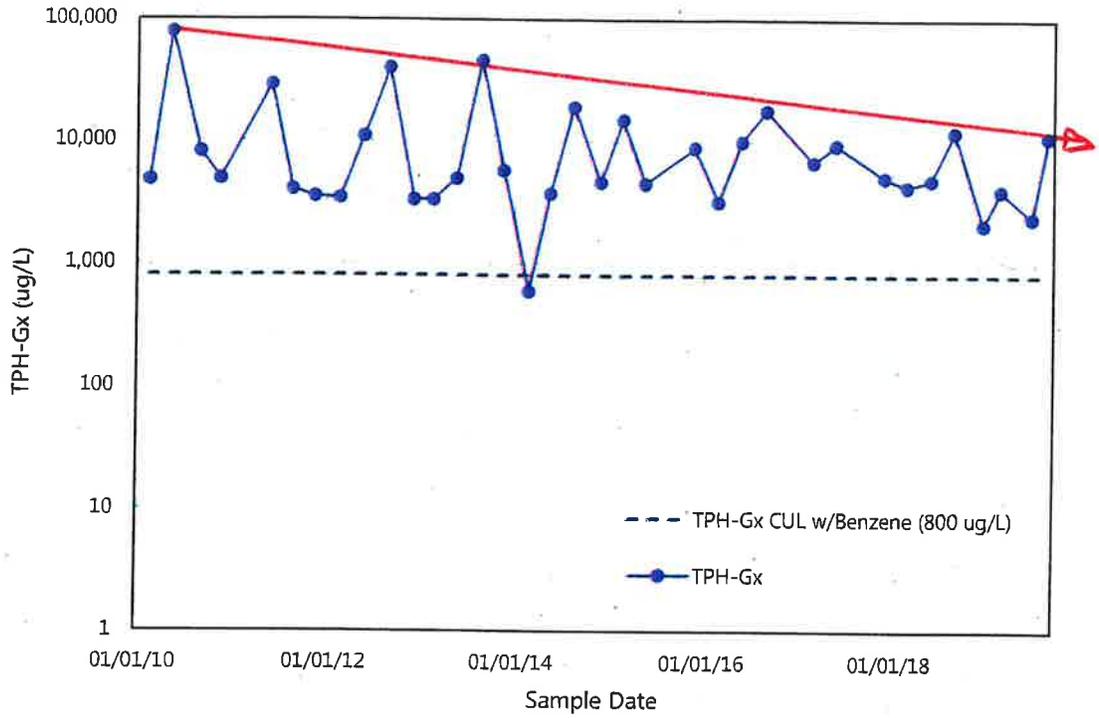
Project	2019				2020				2021				2022			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
DESIGN SCHEDULE	[Green bars]															
PROPOSED CONSTRUCTION SCHEDULE	[Yellow bars]															
CONSTRUCTION SCHEDULE	[Orange bars]															
Barnes Creek /Kent Des Moines Road Culvert Replacement	[Green bar Q1-2019, Q1-2020] [Orange bar Q2-2020, Q1-2021, Q2-2021, Q3-2021, Q4-2021]															
24th Avenue Pipeline Replacement	[Green bar Q3-2019, Q1-2020, Q2-2020, Q3-2020, Q4-2020, Q1-2021, Q2-2021] [Orange bar Q3-2021, Q4-2021, Q1-2022, Q2-2022, Q3-2022, Q4-2022]															
216th/11th Avenue Intersection Pipe Replacement	[Green bar Q1-2019] [Orange bar Q2-2019, Q3-2019, Q4-2019, Q1-2020, Q2-2020]															
Deepdene Plat Outfall Replacement	[Green bar Q2-2019, Q3-2019, Q4-2019, Q1-2020] Construction TBD															
8th Avenue (264th to 265th) Pipe Project	[Green bar Q2-2019, Q3-2019, Q4-2019, Q1-2020] [Yellow bar Q2-2021, Q3-2021]															
6th Avenue/239th Pipe Replacement	[Green bar Q2-2019, Q3-2019, Q4-2019, Q1-2020] [Yellow bar Q2-2020, Q3-2020]															
N. Fork McSorley Creek Diversion	[Green bar Q2-2019, Q3-2019, Q4-2019, Q1-2020, Q2-2020, Q3-2020, Q4-2020, Q1-2021] [Yellow bar Q2-2021, Q3-2021]															
Soundview Drive/Redondo Beach Drive Pipe Upgrade	[Green bar Q2-2019, Q3-2019, Q4-2019, Q1-2020] [Yellow bar Q2-2020, Q3-2020]															
SeaTac 200th Street/DMMD Storm Extension	[Green bar Q1-2019, Q2-2019, Q3-2019, Q4-2019] [Orange bar Q1-2020, Q2-2020, Q3-2020, Q4-2020]															
10th Avenue S Pipe Replacement	[Green bar Q1-2019, Q2-2019] [Orange bar Q2-2020, Q3-2020]															

Public Works Yard Groundwater Remediation Project Update – Environment Committee 11/14/2019

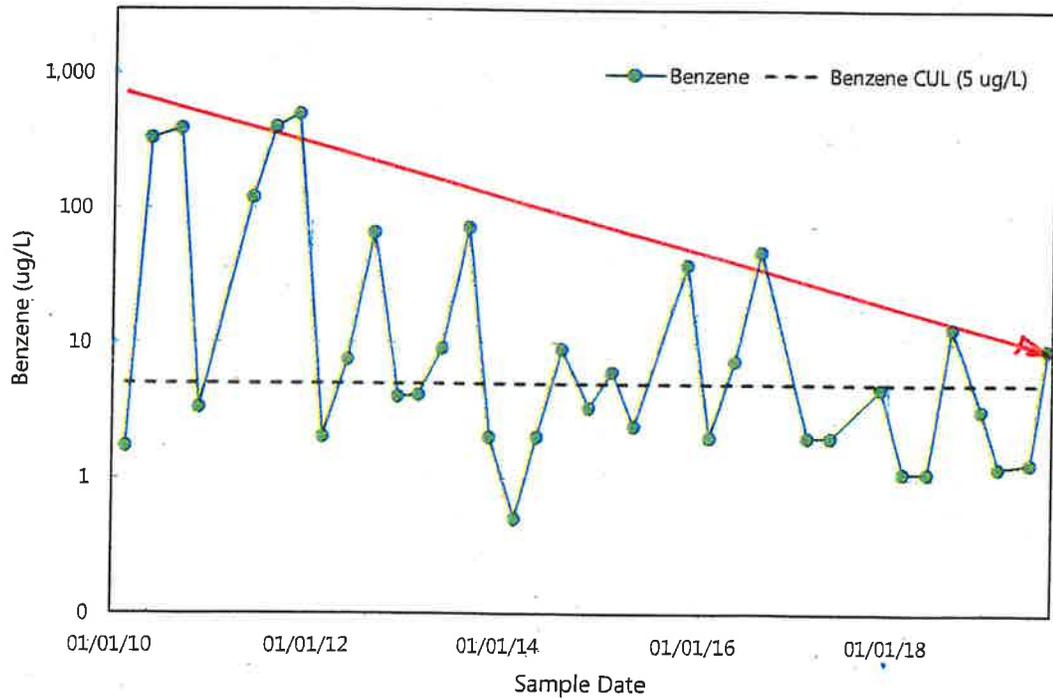
- Cleanup ongoing since mid-1990's following site excavation and soil treatment. Work now is focused on cleaning up the groundwater. Groundwater is being pumped, treated and discharged into the sanitary sewer.
- 15 groundwater monitoring wells have been installed at the site.
- One well MW#3 is the extraction well while the other wells are for diffusing air for treatment and sampling.
- Only four wells are being monitored as the other wells have reached cleanup for some time.
- Making very good progress in the reduction of benzene, which is the tougher contaminant with very strict standards.
- MW#3 is the extraction well, it is anticipated to be the last well to reach cleanup. The other three wells are fitted with diffusers to pump air into the soils to aid microbial breakdown of the contaminants.
- Of the four wells, MW#15 has readings that are below cleanup levels for both petroleum (TPH) and benzene and we will likely discontinue monitoring this well soon. MW#14 is also very close to done with the last two readings below cleanup levels for both TPH and benzene – the upcoming reading may be indicative for the status of this well. MW#13 is also getting very close to done (with a very strong down trend for benzene). The extraction well MW#3 is trending down slowly but constantly and should drop dramatically once the other wells are done.
- Recommend to continue with no changes to the treatment system. Estimated 2 years remaining to reach cleanup.
- Once the wells have all reached cleanup, the system will be turned off and all 15 wells sampled quarterly for a full year (4 quarters). If all wells remain below cleanup levels, the City can file for closure at which time the City will need to abandon the wells (filled) and the site surface restored to WD#54's satisfaction. The City will also need to meet any other conditions of closure as determined by Ecology.

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TPH-Gx Concentration Trends



Benzene Concentration Trends



Note: non-detected values shown at one-half the reporting limit



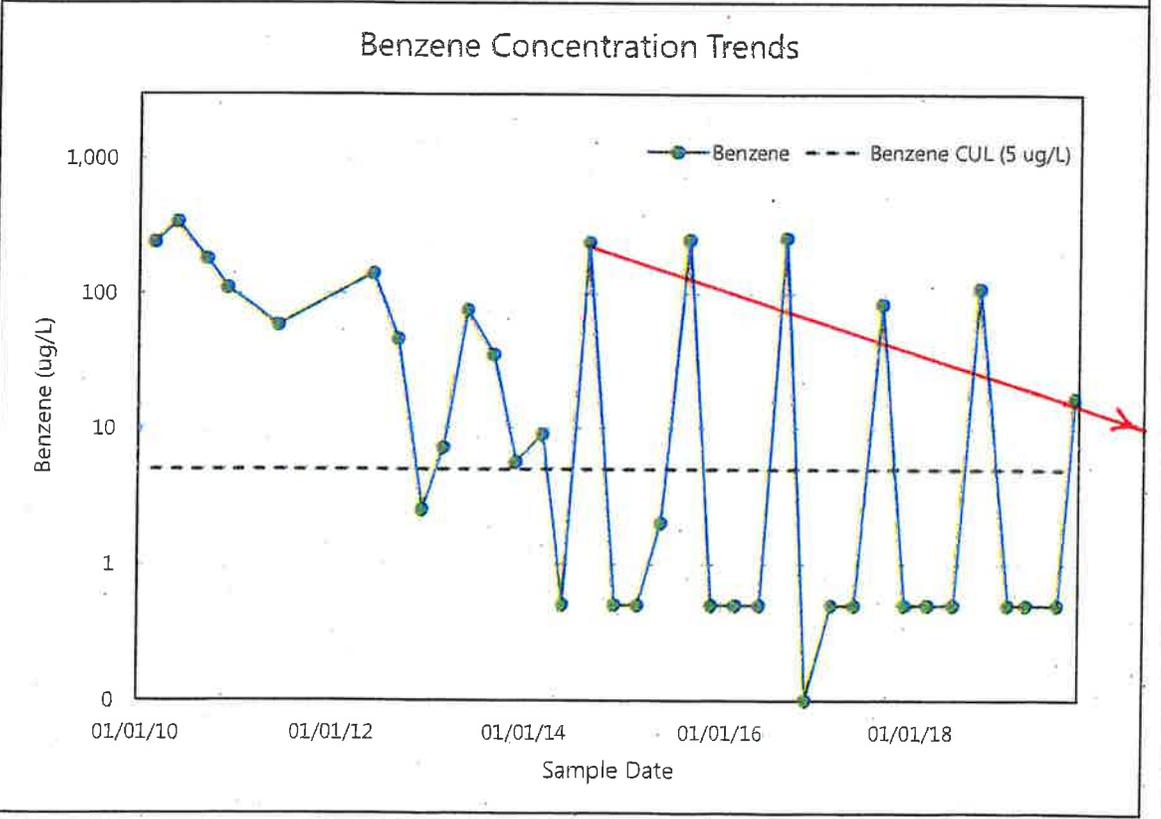
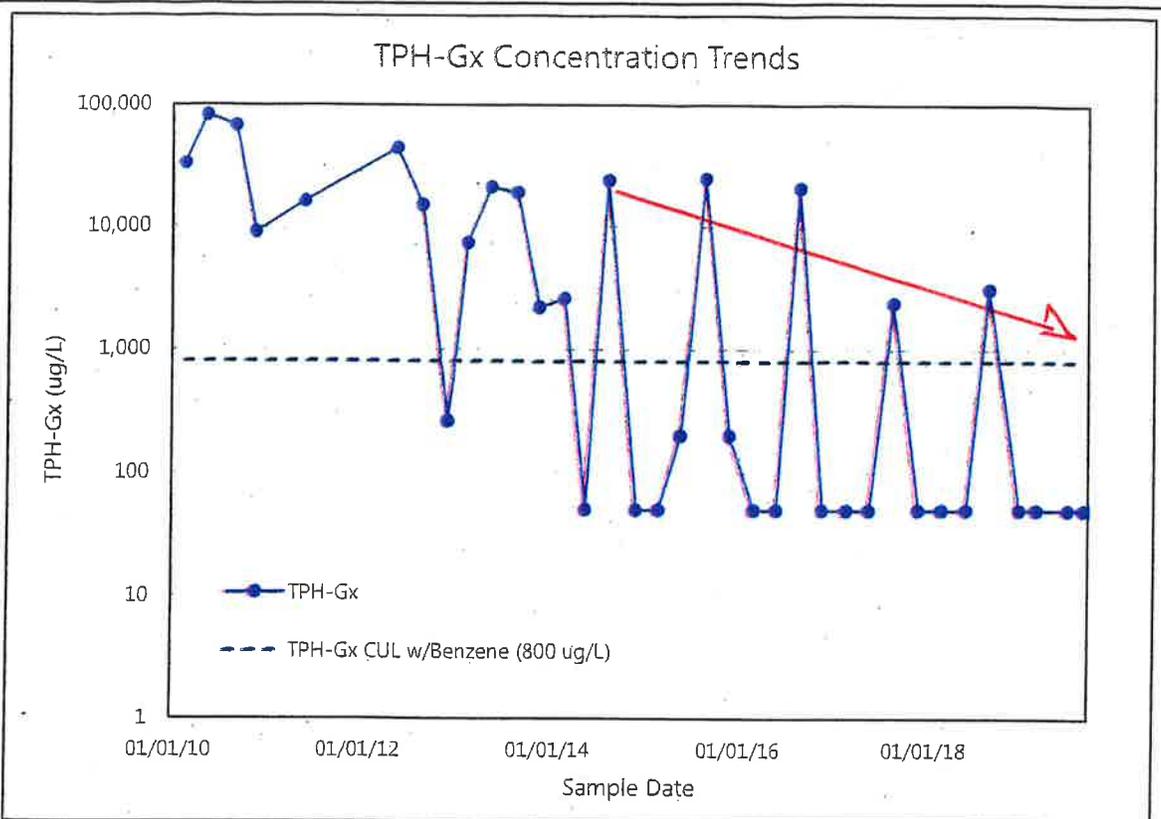
MW-3 HISTORICAL TREND PLOTS
TPH-Gx AND BENZENE
City of Des Moines Public Works
Des Moines, Washington

Project No.
08307

Figure
F-1

Extraction Well

P:\Bothell Office\Des Moines\3000 Reports\Trend Plots_20190719.xlsx

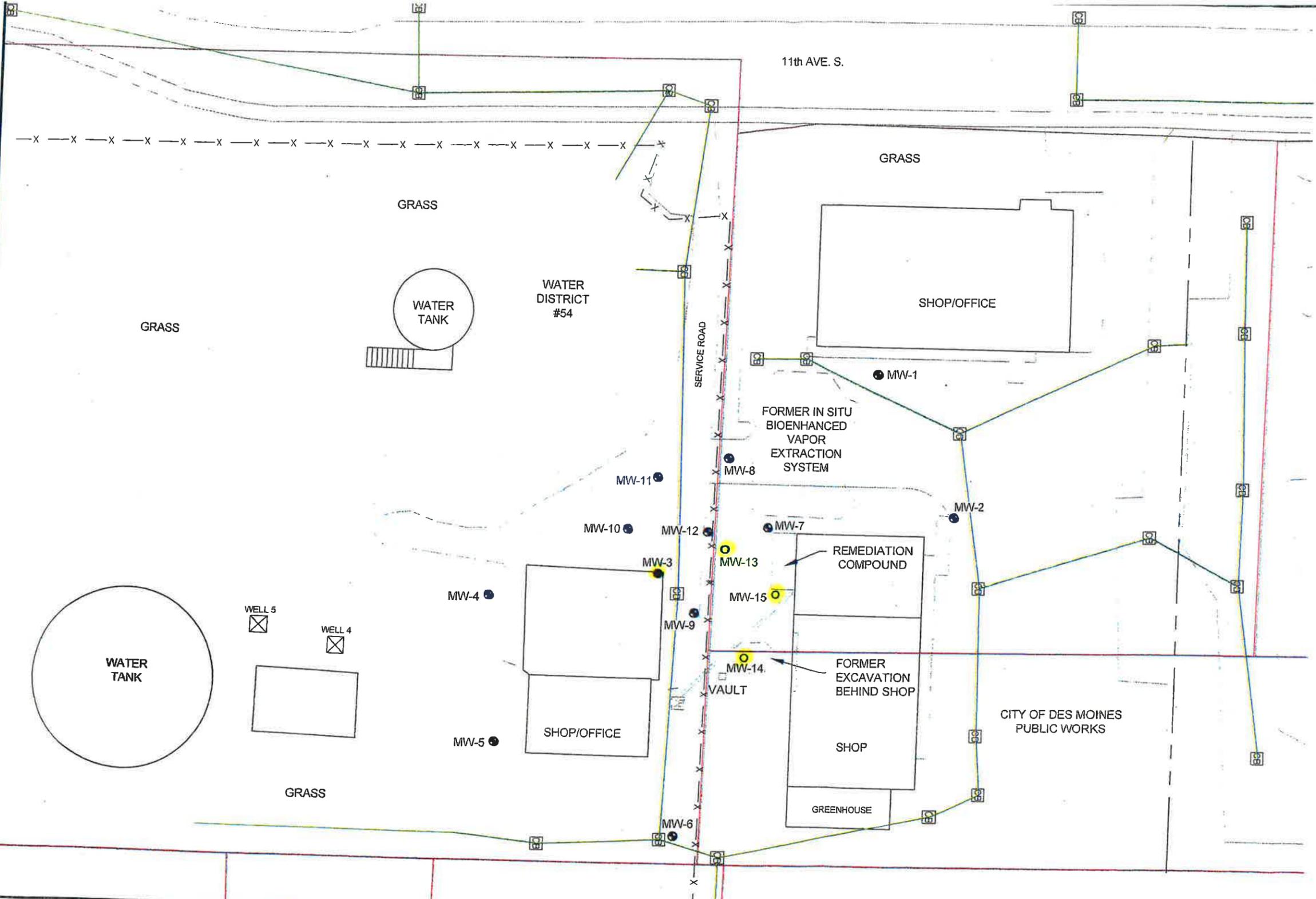


Note: non-detected values shown at one-half the reporting limit

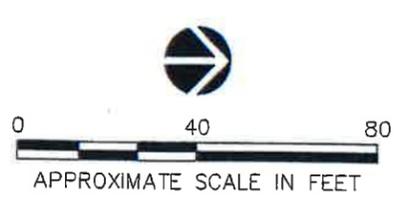


MW-13 HISTORICAL TREND PLOTS
TPH-Gx AND BENZENE
City of Des Moines Public Works
Des Moines, Washington

Project No.
08307
Figure
F-2



- LEGEND**
- MW-6 ● MONITORING WELL LOCATION
 - MW-15 ○ MONITORING / DIFFUSER WELL LOCATION
 - MW-3 ● MONITORING / RECOVERY WELL LOCATION
 - [Symbol] CATCH BASIN / STORM SEWER LINE
 - STORM CONVEYANCE LINE
 - [Symbol] MUNICIPAL WATER WELL
 - PARCEL LINE
 - X — FENCE LINE



CLIENT: CITY OF DES MOINES 	 Amec Foster Wheeler Environment & Infrastructure, Inc. 600 University Street, Suite 600 Seattle, Washington 98101	DWN BY: APS CHKD BY: LV DATUM: PROJECTION: SCALE: 1" = 40'	PROJECT CITY OF DES MOINES PUBLIC WORKS FACILITY 21650 11th Avenue S, Des Moines, Washington	DATE: JULY 2016 PROJECT NO: 0-915-08307-S REV. NO.: FIGURE No. 2
		SITE PLAN		