



July 26, 2024

Washington State Department of Ecology  
Headquarters Office  
c/o Christopher Maurer  
300 Desmond Drive Southeast  
Lacey, Washington

**RE: STATUS REPORT – JULY 2023 THROUGH JULY 2024  
NORMANDY PARK PCE SITE  
17847, 17855, AND 17817 FIRST AVENUE SOUTH  
NORMANDY PARK, WASHINGTON  
FARALLON PN: 578-002**

Dear Christopher Maurer:

Farallon Consulting, L.L.C. (Farallon) has prepared this letter to summarize the remediation activities performed at the Normandy Park PCE Site (Site) from July 2023 through June 2024. The Site is comprised of the properties at 17847 and 17855 First Avenue South (the Manhattan Village Shopping Center) and 17817 First Avenue South (the Harris Property) in Normandy Park, Washington (collectively referred to as the Property) (Figures 1 and 2). The Site is enrolled in the Washington State Department of Ecology (Ecology) Voluntary Cleanup Program (VCP) as Normandy Park PCE and has been assigned Facility Site ID No. 4181060 and Cleanup Site ID No. 3214.

#### **ACTIVITIES CONDUCTED DURING THE REPORTING PERIOD**

The following activities were conducted during the reporting period:

- June and July 2023 – The soil vapor extraction (SVE) system was temporarily shut down, repaired, and subsequently restarted after a low-flow blower alarm was triggered. The SVE system was then shut down and mothballed to allow subslab vapor rebound testing to be performed.
- July 2023 – PES resumed implementation of the permeable reactive barrier (PRB) following a modified injection approach.
- February 2024 – Implementation of the cleanup action at the Site transitioned from PES Environmental, Inc. (PES) to Farallon.



- April 2024 – Farallon performed a subslab soil vapor monitoring event for chlorinated volatile organic compounds (CVOCs) at locations SVS-11, SVS-13, and SVS-18.
- June 2024 – Vegetation was cleared at the Harris Property to facilitate groundwater monitoring and a quarterly groundwater monitoring event was performed at monitoring wells MW-9, MW-10, MW-18, MW-20, DC-8, and DC-15. Groundwater monitoring was planned at monitoring well MW-7, but was not completed due to access restrictions.

### CHANGES IN KEY PERSONNEL

Farallon notified Ecology on March 20, 2024 that Matt Dahl would no longer be the point of contact for Site cleanup activities and future communications should be directed to Sarah Snyder at Farallon.

### DEVIATIONS FROM APPROVED SCOPE OF WORK

Work at the Site is being performed in accordance with the Remedial Action Work Plan Addendum Number 1 dated June 29, 2021 prepared by PES<sup>1</sup> (Work Plan). The Work Plan was previously submitted to Ecology; in a September 28, 2021 response letter,<sup>2</sup> Ecology stated that completion of the scope identified in the Work Plan would likely result in a No Further Action determination. Deviations from the Work Plan to date are described below.

#### PRB INJECTIONS

As described in PES' Status Report dated August 4, 2023 for the Site, the PRB injections, performed in June 2023 deviated from the Work Plan due to the presence of hard soil that did not accept the planned injection volumes of BOS 100. The Work Plan specified approximately 100 pounds of BOS 100 was to be injected as a slurry across seven vertical injection intervals at each injection point.

- Injection points IP4A, IP16, IP18, IP19, IP20, IP33, and IP37 rejected injections at all intervals attempted and received no BOS 100;

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<sup>1</sup> PES. 2021. Remedial Work Plan Addendum No. 1, Manhattan Village Shopping Center and Harris Properties, VCP NW1873, Normandy Park, Washington. June 29.

<sup>2</sup> Ecology. 2021. Letter Regarding Opinion on Proposed Cleanup of the following Site: Normandy Park PCE. From Christopher Maurer. To Matt Dahl, PES. September 28.



- Injection points IP1, IP5A, IP7A, IP10, IP17, and IP27 received less than 95 pounds of BOS 100 in total; and
- Injection points IP7A, IP8A, IP11, IP12, IP13, IP14, IP15, IP21, IP22, IP29, IP31, IP32, IP34, IP35, IP36, and IP38 received at least 95 pounds of BOS 100.

Due to the challenge of achieving PRB design criteria, a pre-drilling injection approach was discussed with Ecology and implemented partway through the injection process. Although the pre-drilling approach improved material acceptance, not all injection locations were completed. Locations that were not attempted for injection were: IP2A, IP3A, IP23, IP24, IP28, IP30, IP39, IP40, IP41, IP42, IP43, IP44, IP45, IP46, and IP47 (Figure 6).

### **PERFORMANCE MONITORING**

Quarterly performance monitoring for the PRB, semi-annual monitoring for natural attenuation of tetrachloroethene (PCE) in groundwater, and annual plume geometry and air-spargage zone of influence monitoring were not performed in 2022 or 2023. A synoptic quarterly event was performed in June 2024 (Figure 4).

### **PROJECT SCHEDULE AND DEVIATIONS**

A schedule for complete implementation of the cleanup action was not included in the Work Plan. Changes in anticipated schedule since previous communications with Ecology are:

- Completion of the PRB was originally scheduled for July 2023, but has been postponed due to challenges completing the original injections, receiving additional UIC authorization to complete the PRB, and securing a contractor to complete the injection work.
- Performance groundwater monitoring has not been performed as described in Section 5.1.3 of the Work Plan and was restarted in June 2024. Quarterly, semi-annual, and annual groundwater monitoring events are scheduled as part of work to be performed in the second half of 2024 (see below).
- PRB performance monitoring wells MW-21 and MW-22 were not installed due to the pause in PRB construction. Installation is scheduled for August 2024.

### **SAMPLING PERFORMED, RESULTS, AND DATA VALIDATION**

Sampling performed between July 2023 and June 2024 and summary analytical results are presented below. Monitoring and remediation well construction details and updated



summary analytical results are provided in Tables 1 through 4. Laboratory analytical reports are provided in Attachment A.

## **APRIL 2024 SOIL VAPOR SAMPLING**

On April 25, 2024, Farallon performed a subslab soil vapor sampling event to assess soil vapor rebound at the Site following SVE system shutdown.

### **Sampling**

Soil vapor samples were collected from three existing soil vapor pins, SVS-11 and SVS-13 in the Four Star Dry Cleaner Suite and Kintsugi Physical Therapy Suite of the Manhattan Village Shopping Center, and SVS-18 in the Archie's Mexican Restaurant on the Harris Property.

The subslab soil vapor samples were collected using a certified 30-minute flow-controller and contained in 1-liter certified clean Summa canisters. Soil vapor samples were collected in accordance with Farallon's standard operating procedures for subslab soil vapor sampling. Soil vapor samples were delivered to Friedman & Bruya, Inc. of Seattle, Washington under standard chain-of-custody protocols for analysis of volatile organic compounds by U.S. Environmental Protection Agency (EPA) Method TO-15.

### **Results**

PCE was detected at concentrations ranging from 540 micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ) at SVS-11 to 920  $\mu\text{g}/\text{m}^3$  at SVS-13 (Table 2). All of the results are less than the Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Method B subslab soil gas screening level for commercial workers of 1,500  $\mu\text{g}/\text{m}^3$ , the applicable standard for the Site. The remaining analytes were reported non-detect at the laboratory practical quantitation limit (PQL).

### **Recommendation**

The subslab soil vapor analytical results indicate that concentrations of PCE in soil vapor remain below the applicable screening level after a shutdown period of approximately 9 months. Restarting of the SVE system is not warranted. In accordance with the Work Plan, Farallon will complete the second performance soil vapor monitoring event in October 2024 to confirm concentrations of PCE in soil vapor remain below screening levels.



## JUNE 2024 GROUNDWATER SAMPLING

On June 20, 2024, Farallon conducted a groundwater sampling event at the existing quarterly PRB performance monitoring wells to assess the current groundwater conditions at the Site.

### Sampling

Groundwater samples were collected from six existing groundwater monitoring wells MW-9, MW-10, MW-18, MW-20, DC-8, and DC-15. Access restrictions prevented sampling at monitoring well MW-7.

The groundwater samples were collected in laboratory-provided glassware using a bladder pump and dedicated tubing in accordance with Farallon's standard operating procedures for groundwater sampling. Groundwater samples were delivered to Friedman & Bruya, Inc. of Seattle, Washington under standard chain-of-custody protocols for analysis of CVOCs by EPA Method 8260.

### Results

PCE was detected at a concentration of 6.4 micrograms per liter ( $\mu\text{g/l}$ ), slightly exceeding the MTCA Method A cleanup level, in the groundwater sample collected from monitoring well MW-18, down-gradient of the PRB. PCE was detected at concentrations less than the MTCA Method A cleanup level in the groundwater samples collected from monitoring wells DC-8 and DC-15, up-gradient of the PRB, and MW-10 on the southeastern portion of the Harris Property. PCE was reported non-detect at the laboratory PQL in the groundwater sample collected from monitoring well MW-20.

Farallon prepared the attached time-series plots of PCE concentrations in groundwater at monitoring wells DC-8, DC-15, and MW-18. Concentrations of PCE in groundwater in both up-gradient monitoring wells have declined over time to less than the MTCA Method A cleanup level in the most recent sampling event as source mass has been reduced up-gradient during air-spargage and SVE system operation. Concentrations of PCE in monitoring well MW-18 have declined over the past four monitoring events to near the MTCA Method A cleanup level as the PRB has reduced the mobility of PCE in the subsurface and prevented additional leaching to groundwater.



## **Recommendation**

Previously calculated groundwater seepage velocity at the PRB is approximately 400 feet per year. Based on the declining trends in PCE concentrations in groundwater observed at DC-8, DC-15, and MW-18 and concentrations of PCE below the cleanup level at DC-8 and DC-15 in June 2024; Farallon recommends installing monitoring wells MW-21 and MW-22 and performing additional quarterly groundwater monitoring to confirm PRB performance and that PCE concentrations in groundwater continue to decline to below cleanup levels down-gradient of the PRB within the next year.

If concentrations of PCE in groundwater at the wells (MW-18 and MW-21) located immediately down-gradient of the PRB do not meet MTCA Method A cleanup levels by the December 2024 groundwater monitoring event, additional BOS 100 injections to complete the PRB will be performed in accordance with the Work Plan to further reduce the mobility of PCE in the vadose zone at the Site. A total of 175 pounds of BOS 100 will be injected into each of the remaining injection locations over seven vertical intervals, as described in the Underground Injection Control Application No. 238910 previously submitted to Ecology.

## **PLANNED OR ANTICIPATED WORK FOR NEXT REPORTING PERIOD**

The following work is planned between July and December 2024.

### **PRB INJECTIONS**

No additional PRB injections are recommended or planned at this time. Additional quarterly PRB groundwater monitoring should be performed to confirm whether PCE concentrations in groundwater continue to decline, and cleanup levels are obtained before additional injections are performed.

### **SUBSLAB SOIL VAPOR SAMPLING**

A second subslab soil vapor sampling event is scheduled for October 2024 at SVS-11 and SVS-13 in the Four Star Dry Cleaner Suite and Kintsugi Physical Therapy Suite of the Manhattan Village Shopping Center; and SVS-18 in the Archie's Mexican Restaurant on the Harris Property.



## GROUNDWATER MONITORING

Performance groundwater monitoring events in accordance with the Work Plan are scheduled for the following dates.

- August 2024 – Sample MW-7, install monitoring wells MW-21 and MW-22 and decommission MW-6 in accordance with the Work Plan;
- October 2024 – Conduct quarterly performance groundwater monitoring event as described in the Work Plan; and
- December 2024 – Conduct combined quarterly, semi-annual, and annual groundwater monitoring event as described in the Work Plan.

## PUBLIC OR REGULATORY COMMUNICATION

A semi-annual progress report will be prepared to present the results of the October and December 2024 sampling events.

## CLOSING

Please contact either of the undersigned at (425) 295-0800 if you have questions or need additional information.

Sincerely,

**Farallon Consulting, L.L.C.**

Brianne Goulet, L.G.  
Associate Geologist

Eric F. Buer, L.G., L.H.G.  
Principal Hydrogeologist

Attachments: Figure 1, *Site Vicinity Map*  
Figure 2, *Site Plan Showing Existing and Decommissioned Wells*  
Figure 3, *Remediation Well and Vapor Probe Locations*  
Figure 4, *Groundwater Analytical Results*  
Figure 5, *Soil Gas Analytical Results*  
Figure 6, *PRB Injection Layout and Well Locations*  
Table 1, *Soil Gas Analytical Results for Volatile Organic Compounds*  
Table 2, *Well Completion and Boring Details*  
Table 3, *Historical Summary of Groundwater Elevations*  
Table 4, *Historical Summary of Groundwater Analytical Results*  
Chart 1, *DC-8 Concentrations of PCE in Groundwater*



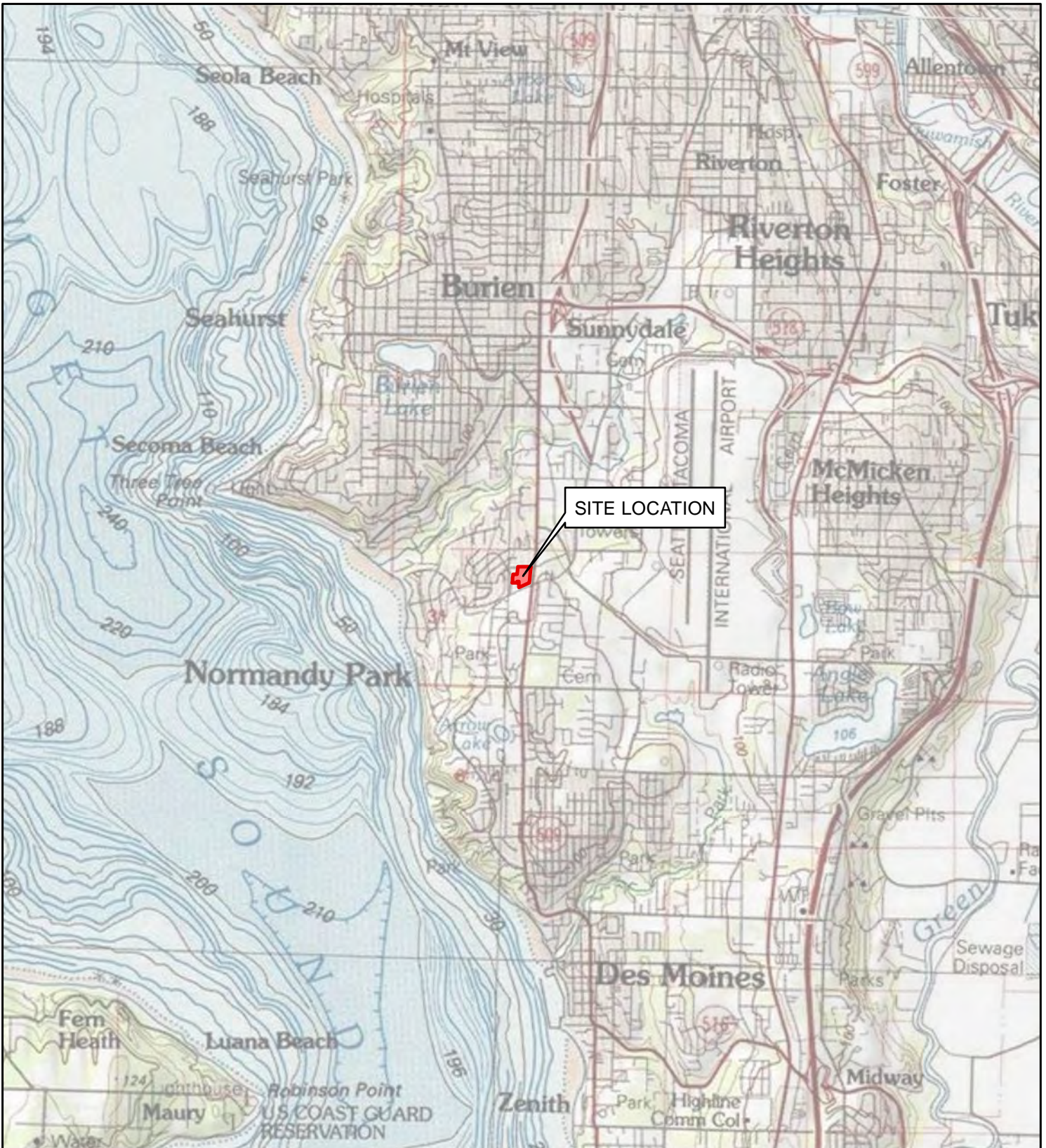
*Chart 2, DC-15 Concentrations of PCE in Groundwater*  
*Chart 3, MW-18 Concentrations of PCE in Groundwater*  
*Attachment A, Laboratory Analytical Reports*

cc: Ken Bloch Keller Rohrback, L.L.P.  
Maureen Mitchell, Fox Rothschild L.L.P.  
Michael Staton, Landau Associates Inc.

## **FIGURES**

**STATUS REPORT – JULY 2023 THROUGH JULY 2024**  
**Manhattan Village Shopping Center and Harris Properties**  
**17847, 17855, and 17817 First Avenue South**  
**Normandy Park, Washington**

**Farallon PN: 578-002**



REFERENCE: 7.5 MINUTE USGS QUADRANGLE DES MOINES, WASHINGTON, DATED 2013



NORMANDY PARK



SCALE IN FEET



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**FIGURE 1**  
SITE VICINITY MAP  
MANHATTAN VILLAGE/HARRIS PROPERTIES  
17817, 17825, AND 17835 1st AVENUE SOUTH  
NORMANDY PARK, WASHINGTON

FARALLON PN: 578-002

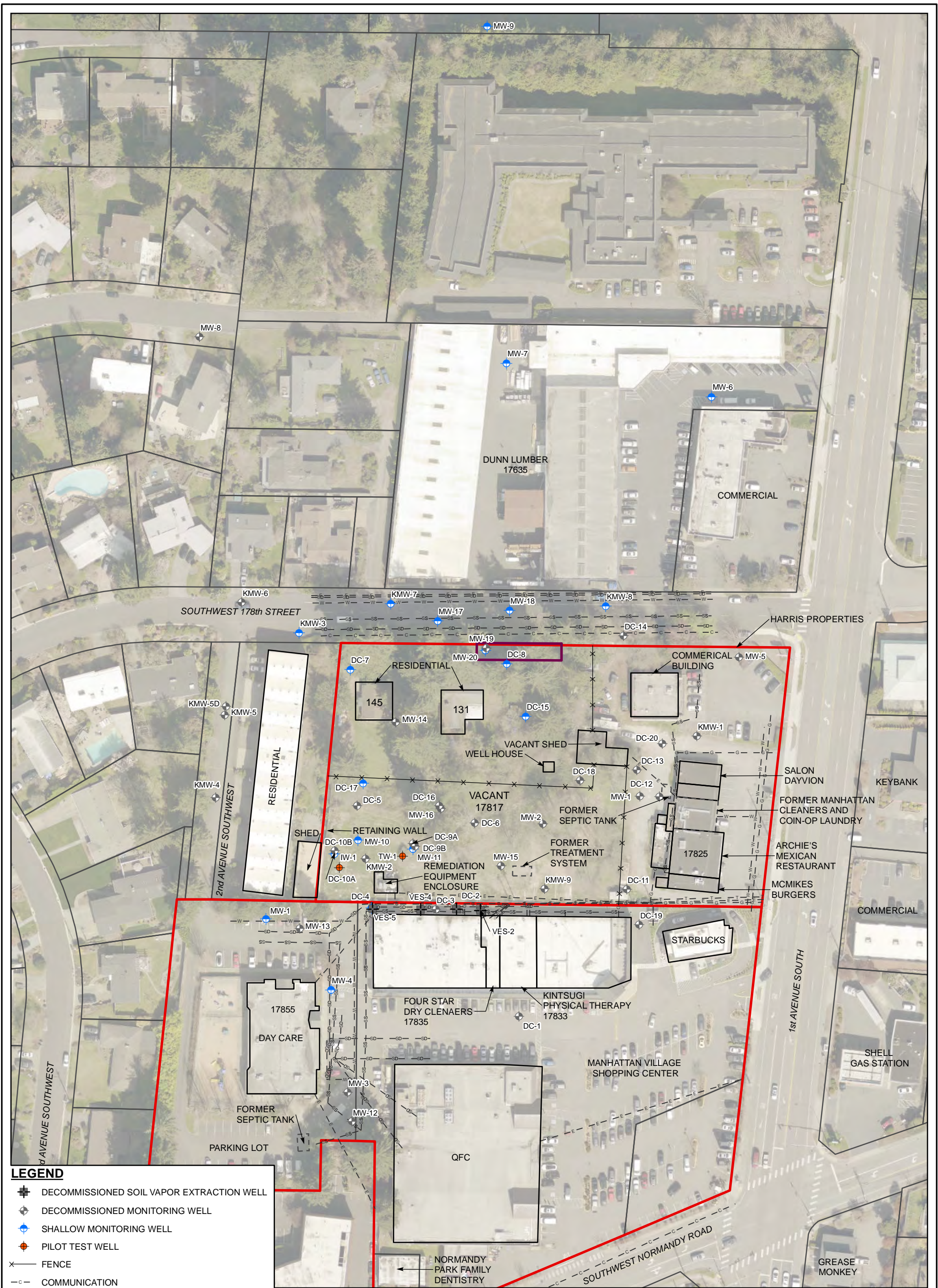
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Date: 5/22/2024

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**LEGEND**

- ⊕ DECOMMISSIONED SOIL VAPOR EXTRACTION WELL
- ⊕ DECOMMISSIONED MONITORING WELL
- ⊕ SHALLOW MONITORING WELL
- ⊕ PILOT TEST WELL
- X— FENCE
- C— COMMUNICATION
- E— ELECTRICAL LINE
- G— GAS
- SS— SANITARY SEWER
- SD— STORM DRAIN
- T— TELEPHONE LINE
- W— WATER LINE
- ▭ INJECTION AREA
- - - - FORMER SITE FEATURE
- ▭ SITE FEATURE
- ▭ SITE BOUNDARY
- ▭ KING COUNTY PARCEL BOUNDARY

NOTES:  
 1. ALL LOCATIONS ARE APPROXIMATE.  
 2. FIGURES WERE PRODUCED IN COLOR. GRAYSCALE COPIES MAY NOT REPRODUCE ALL ORIGINAL INFORMATION.



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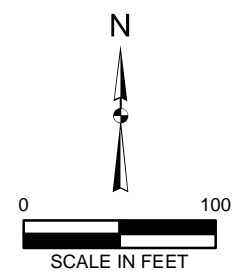
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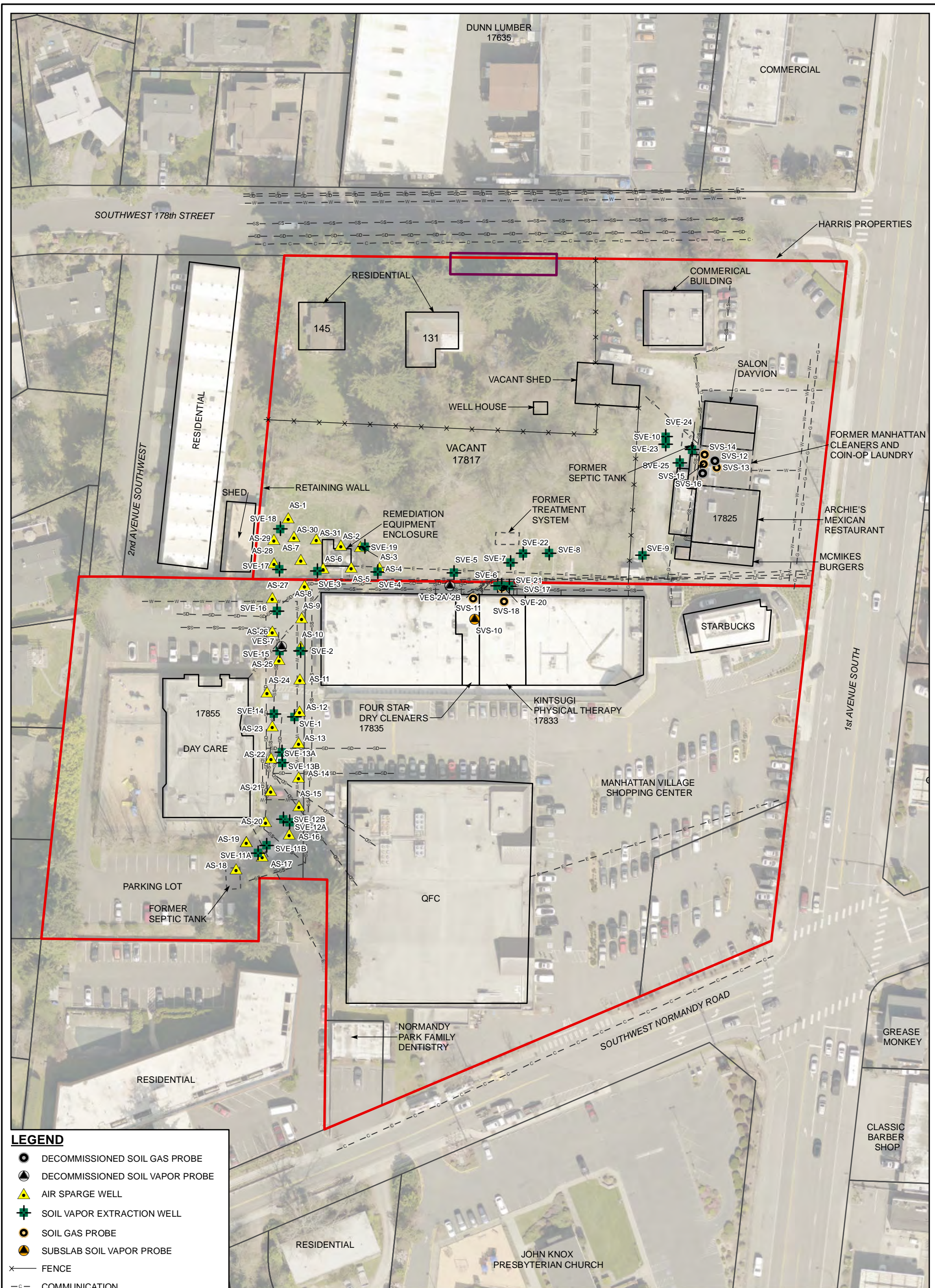
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Date: 6/13/2024
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**FIGURE 2**

SITE PLAN SHOWING  
EXISTING AND DECOMMISSIONED WELLS  
MANHATTAN VILLAGE/HARRIS PROPERTIES  
17817, 17825, AND 17835 1st AVENUE SOUTH  
NORMANDY PARK, WASHINGTON

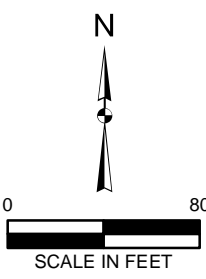
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**LEGEND**

- DECOMMISSIONED SOIL GAS PROBE
- DECOMMISSIONED SOIL VAPOR PROBE
- ▲ AIR SPARGE WELL
- ⊕ SOIL VAPOR EXTRACTION WELL
- SOIL GAS PROBE
- SUBSLAB SOIL VAPOR PROBE
- × FENCE
- c- COMMUNICATION
- e- ELECTRICAL LINE
- g- GAS
- ss- SANITARY SEWER
- sd- STORM DRAIN
- t- TELEPHONE LINE
- w- WATER LINE
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- ▭ SITE FEATURE
- ▭ SITE BOUNDARY
- ▭ KING COUNTY PARCEL BOUNDARY



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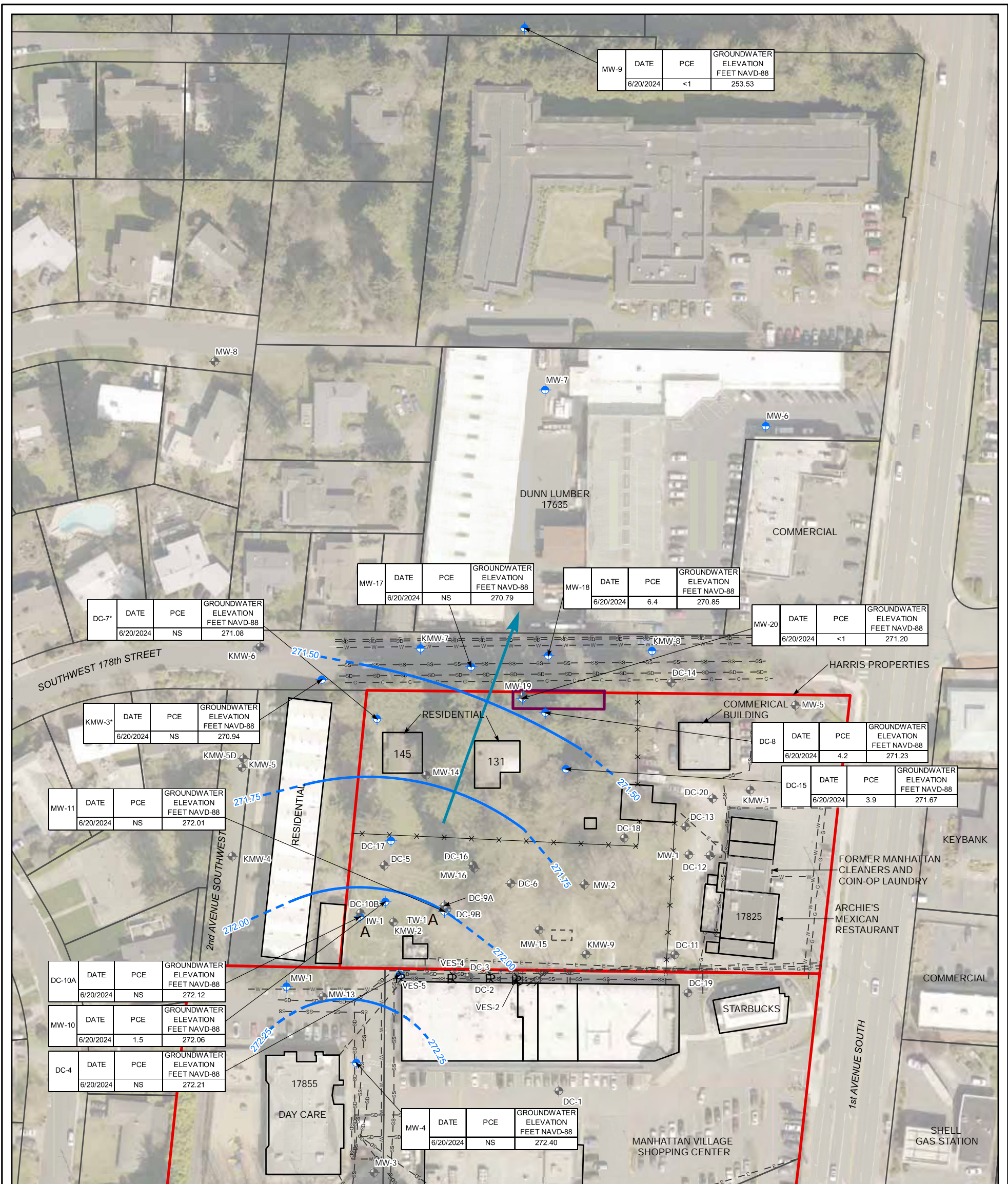
  
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**FIGURE 3**  
 REMEDIATION WELLS AND  
 VAPOR PROBE LOCATIONS  
 MANHATTAN VILLAGE/HARRIS PROPERTIES  
 17817, 17825, AND 17835 1st AVENUE SOUTH  
 NORMANDY PARK, WASHINGTON  
 FARALLON PN: 578-002

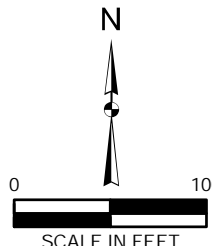
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**LEGEND**

- DECOMMISSIONED SOIL VAPOR EXTRACTION WELL
- DECOMMISSIONED MONITORING WELL
- SHALLOW MONITORING WELL
- PILOT TEST WELL
- FENCE
- COMMUNICATION
- ELECTRICAL LINE
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- SANITARY SEWER
- STORM DRAIN
- TELEPHONE LINE
- WATER LINE
- FORMER SITE FEATURE
- SITE FEATURE
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- KING COUNTY PARCEL BOUNDARY

(12.13) GROUNDWATER ELEVATION IN FEET RELATIVE TO NORTH AMERICAN VERTICAL DATUM OF 1988  
 272.25 - GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)  
 APPROXIMATE GROUNDWATER FLOW DIRECTION



NOTES:  
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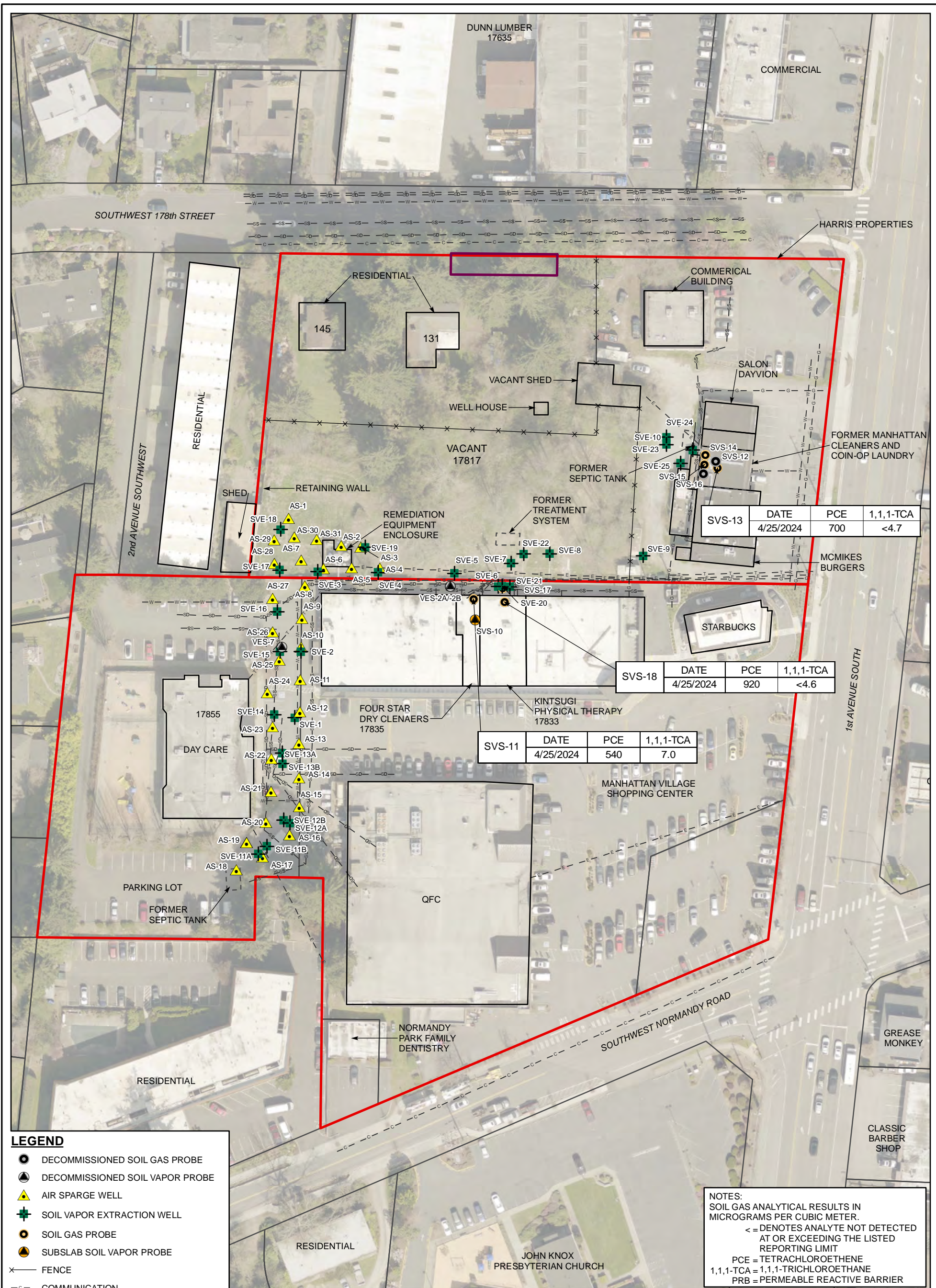
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NOTES:  
 DATE SAMPLED AND ANALYTICAL RESULTS AS:  
 SAMPLE DATE | PCE | GROUNDWATER ELEVATION  
 GROUNDWATER ANALYTICAL RESULTS IN MICROGRAMS PER LITER.  
 GROUNDWATER ELEVATION REPORTED IN FEET NAVD88 (NORTH AMERICAN VERTICAL DATUM OF 1988).  
**BOLD** = DENOTES CONCENTRATIONS THAT EXCEED THE WASHINGTON STATE MODEL TOXICS CONTROL ACT CLEANUP REGULATION CLEANUP LEVEL  
 < = DENOTES ANALYTE NOT DETECTED AT OR EXCEEDING THE LISTED REPORTING LIMIT  
 PCE = TETRACHLOROETHENE  
 NS = NOT SAMPLED  
 \* = GROUNDWATER ELEVATION NOT USED IN CONTOURING

**FIGURE 4**

GROUNDWATER ANALYTICAL RESULTS  
 MANHATTAN VILLAGE/HARRIS PROPERTIES  
 17817, 17825, AND 17835 1st AVENUE SOUTH  
 NORMANDY PARK, WASHINGTON

FARALLON PN: 578-002



**LEGEND**

- DECOMMISSIONED SOIL GAS PROBE
- DECOMMISSIONED SOIL VAPOR PROBE
- ▲ AIR SPARGE WELL
- ✚ SOIL VAPOR EXTRACTION WELL
- SOIL GAS PROBE
- SUBSLAB SOIL VAPOR PROBE
- × FENCE
- c- COMMUNICATION
- e- ELECTRICAL LINE
- g- GAS
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- t- TELEPHONE LINE
- w- WATER LINE
- ▭ INJECTION AREA
- - - FORMER SITE FEATURE
- ▭ SITE FEATURE
- ▭ SITE BOUNDARY
- ▭ KING COUNTY PARCEL BOUNDARY

**NOTES:**  
 SOIL GAS ANALYTICAL RESULTS IN MICROGRAMS PER CUBIC METER.  
 < = DENOTES ANALYTE NOT DETECTED AT OR EXCEEDING THE LISTED REPORTING LIMIT  
 PCE = TETRACHLOROETHENE  
 1,1,1-TCA = 1,1,1-TRICHLOROETHANE  
 PRB = PERMEABLE REACTIVE BARRIER

**NOTES:**  
 1. ALL LOCATIONS ARE APPROXIMATE.  
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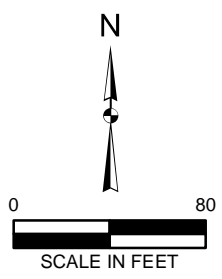
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**FIGURE 5**  
 SOIL GAS ANALYTICAL RESULTS  
 MANHATTAN VILLAGE/HARRIS PROPERTIES  
 17817, 17825, AND 17835 1st AVENUE SOUTH  
 NORMANDY PARK, WASHINGTON



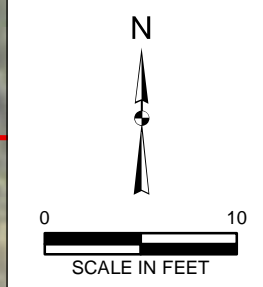
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**LEGEND**

- NOT ATTEMPTED
- RECEIVED LESS THAN TARGET DOSAGE (LESS THAN 95 LBS)
- RECEIVED TARGET DOSAGE (95 LBS OR GREATER)
- REFUSAL
- ▭ INJECTION AREA
- ▭ SITE BOUNDARY

PRB = PERMEABLE REACTIVE BARRIER



**FIGURE 6**  
 PRB LAYOUT AND WELL LOCATIONS  
 MANHATTAN VILLAGE SHOPPING CENTER  
 AND HARRIS PROPERTIES  
 17847, 17855 & 17817 FIRST AVENUE SOUTH  
 NORMANDY PARK, WASHINGTON  
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## **TABLES AND TIME SERIES PLOTS**

**STATUS REPORT – JULY 2023 THROUGH JULY 2024**  
**Manhattan Village Shopping Center and Harris Properties**  
**17847, 17855, and 17817 First Avenue South**  
**Normandy Park, Washington**

**Farallon PN: 578-002**

**Table 1**  
**Soil Gas Analytical Results for Volatile Organic Compounds**  
**Manhattan Village Shopping Center and Harris Properties**  
**Normandy Park, Washington**  
**Farallon PN: 578-002**

Sample Location	Sampled By	Sample Date	Sample Identification	Sample Depth (feet) <sup>1</sup>	Analytical Results (micrograms per cubic meter) <sup>2</sup>					
					PCE	TCE	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane
SVS-10	PES	3/11/2019	SVS-10	1.3	105	2.52	< 1.59	< 1.59	< 1.02	---
	PES	6/3/2019	SVS-10	1.3	485	< 2.14	< 1.59	< 1.59	< 1.02	---
SVS-11	PES	3/11/2019	SVS-11	1.3	108	< 2.14	< 1.59	< 1.59	< 1.02	---
	PES	6/3/2019	SVS-11	1.3	537	5.64	15.0	< 1.59	< 1.02	---
	Farallon	4/25/2024	SVS-11-042524	1.3	540	< 0.89	< 3.3	< 3.3	< 2.1	7.0
SVS-12	PES	6/3/2019	SVS-12	1.3	367	< 2.14	< 1.59	< 1.59	< 1.02	---
SVS-13	PES	3/11/2019	SVS-13	1.2	611	< 2.14	< 1.59	< 1.59	< 1.02	---
	PES	6/3/2019	SVS-13	1.2	1,500	< 2.14	< 1.59	< 1.59	< 1.02	---
	Farallon	4/25/2024	SVS-13-042524	1.2	700	< 0.92	< 3.4	< 3.4	< 2.2	< 4.7
SVS-14	PES	3/11/2019	SVS-14	1.3	9.93	< 2.14	< 1.59	< 1.59	< 1.02	---
	PES	6/3/2019	SVS-14	1.3	168	< 2.14	< 1.59	< 1.59	< 1.02	---
SVS-15	PES	3/11/2019	SVS-15	1.3	50.5	< 2.14	< 1.59	< 1.59	< 1.02	---
	PES	6/3/2019	SVS-15	1.3	115	< 2.14	< 1.59	< 1.59	< 1.02	---
SVS-16	PES	3/11/2019	SVS-16	1.3	369	< 2.14	< 1.59	< 1.59	< 1.02	---
SVS-17	PES	3/11/2019	SVS-17	4.5-5.0	<b>26,900</b>	<b>319</b>	1,230	43.4	<b>44.7</b>	---
	PES	6/3/2019	SVS-17	4.5-5.0	<b>104,000</b>	<b>3,290</b>	<b>8,600</b>	519	21.4	---
SVS-18	Farallon	4/25/2024	SVS-18-042524	4.5-5.0	920 E	< 0.91	< 3.4	< 3.4	< 2.2	< 4.6
<b>Method B Subslab Soil Gas Screening Level for a Commercial Worker<sup>3</sup></b>					<b>1,500</b>	<b>95</b>	<b>5,200</b>	<b>5,200</b>	<b>44</b>	<b>650,000</b>
<b>Non-Residential Short-term VI Screening Level for Subslab Soil Gas<sup>4</sup></b>					<b>NE</b>	<b>250</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>

**NOTES:**

Results in **bold** and highlighted **yellow** denote concentrations exceeding one or more screening levels.

< denotes analyte not detected at or exceeding the reporting limit listed.

--- denotes sample not analyzed or information unknown.

<sup>1</sup>Depth in feet below surface.

<sup>2</sup>Analyzed by U.S. Environmental Protection Agency Method TO-15. Only detected and select analytes shown in table; see lab report for full list of analytes.

<sup>3</sup>Washington State Model Toxics Control Act Cleanup Regulation Cleanup Levels and Risk Calculations, Standard Method B Values for Subslab Soil Gas Screening Level and Screening Level for Commercial Worker, <https://ecology.wa.gov/Regulations-Permits/Guidance-technical-assistance/Contamination-clean-up-tools/CLARC>

<sup>4</sup>Table A-4 from *Guidance for Evaluating Vapor Intrusion in Washington State, Investigation and Remedial Action*, Washington State Department of Ecology, Publication No. 09-09-047, Final: March 2022.

E = result exceeded calibration range of instrument and is an estimate

Farallon = Farallon Consulting, L.L.C.

NE = not established

PES = PES Environmental, Inc.

**Table 2**  
**Well Completion and Boring Details**  
**Manhattan Village Shopping Center and Harris Properties**  
**Normandy Park, Washington**  
**Farallon PN: 578-002**

Well Location	Ecology Well Tag Number	Date		Drilling Method <sup>1</sup>	Location <sup>2</sup> (feet NAD 83/91)		Elevation <sup>3</sup> (feet NAVD88)			Survey Date	Monument Type	Boring Depth <sup>6</sup> (feet)	Well Diameter <sup>7</sup> (inches)	Screen Depth (ft bgs)		Slot Size (inch)	Filter Pack (ft bgs)	Seal (ft bgs)
		Installed	Decom.		Northing	Easting	Monitoring Point <sup>4</sup>	Surface Casing Rim	Ground Surface <sup>5</sup>					Below Ground Surface	Below Top of Casing			
<b>Shallow Monitoring Wells</b>																		
MW-4	BAB 481	4/8/08	--	HSA	164,968.5	1,268,493.6	310.47	311.03	311.02	PES, 08/2015	Flush	44	2	34-44	33.45-43.45	0.010	32-44	0-32
MW-6	BAB 482	4/9/08	--	HSA	165,615.5	1,268,908.5	304.14	304.71	304.68	PES, 08/2015	Flush	45	2	35-45	34.46-44.46	0.010	33-45	0-35
MW-7	BAB 483	4/9/08	--	HSA	165,652.2	1,268,684.8	302.64	303.18	303.17	PES, 08/2015	Flush	45	2	35-45	34.47-44.47	0.010	33-45	0-35
MW-9	APE 296	8/18/08	--	HSA	166,019.8	1,268,663.9	284.97	285.35	285.37	PES, 08/2015	Flush	55	2	32-42	31.6-41.6	0.010	30-42	0-30
MW-10	BHB 003	2/3/11	--	HSA	165,132.3	1,268,522.8	306.71	307.20	307.19	PES, 08/2015	Flush	42	2	32-42	31.52-41.52	0.010	30-42	0-30
MW-11	BHB 004	2/3/11	--	HSA	165,122.2	1,268,582.9	307.62	308.13	308.06	PES, 08/2015	Flush	42	2	32-42	31.56-41.56	0.010	30-42	0-30
MW-17	BLI 196	3/1/19	--	HSA	165,371.0	1,268,609.7	303.01	303.56	303.60	PES, 10/2019	Flush	39.5	2	28.2-38.2	27.61-37.61	0.010	26-39.5	0-26
MW-18	BLI 195	2/28/19	--	HSA	165,386.9	1,268,688.3	305.26	305.74	305.70	PES, 10/2019	Flush	41.5	2	30.3-40.3	29.86-39.86	0.010	27.5-41.5	0-27.5
MW-20	BLK 428	10/17/19	--	HSA	165,343.4	1,268,662.1	305.51	305.86	306.10	PES, 10/2019	Flush	46	2	30.0-45.0	29.41-44.41	0.010	28-46	0-28
DC-4	AEE 926	10/13/98	--	HSA	165,058.1	1,268,537.4	312.35	312.96	312.99	PES, 08/2015	Flush	49	2	44-49	43.36-48.36	0.020	41-49	0-41
DC-6 <sup>9</sup>	--	1/22/99	Missing	HSA	--	--	308.46	--	--	SCS, 1999	Flush	45	2	40-45	--	0.020	37-45	0-37
DC-7	--	1/18/99	--	HSA	165,318.1	1,268,514.4	302.61	303.30	303.26	PES, 08/2015	Flush	40	2	35-40	34.35-39.35	0.020	33-40	0-33
DC-8	--	1/18/99	--	HSA	165,328.8	1,268,685.4	306.23	306.70	306.59	PES, 08/2015	Flush	42	2	37-42	36.64-41.64	0.020	34-42	0-34
DC-9A <sup>9</sup>	AER 681	4/6/99	Missing	HSA	165,124.7	1,268,587.3	308.02	--	--	ERM, 08/2008	Flush	38	2	33-38	32.6-37.6	0.020	31-38	0-31
DC-10A	AER 680	4/5/99	--	HSA	165,117.2	1,268,497.2	307.73	307.83	307.72	PES, 08/2015	Flush	37	2	32-37	32.01-37.01	0.020	30-37	0-30
DC-15	APS 768	4/16/07	--	HSA	165,267.1	1,268,705.9	307.89	308.20	--	PES, 02/2013	Flush	42	2	31-41	30.7-40.7	0.010	29-41	0-29
DC-17	APS 767	4/16/07	--	HSA	165,194.2	1,268,528.6	305.16	305.58	305.35	PES, 05/2013	Flush	40	2	30-40	29.81-39.81	0.010	28-40	0-28
KMW-3	APK 569	5/1/06	--	HSA	165,357.4	1,268,462.5	296.99	297.77	297.70	PES, 10/2019	Flush	40	2	25.18-35.18	24.47-34.47	0.010	8-35	0-8
KMW-7	APS 342	3/26/07	--	HSA	165,389.7	1,268,563.6	301.42	302.02	302.00	PES, 10/2019	Flush	44	2	29.35-44.35	28.77-43.77	0.020	27-44	0-27
KMW-8	APS 341	3/26/07	--	HSA	165,386.2	1,268,800.7	308.16	308.73	308.70	PES, 10/2019	Flush	44	2	29.24-44.24	28.70-43.70	0.020	27-44	0-29
<b>Deep Monitoring Wells</b>																		
DC-9B <sup>9</sup>	AER 678	4/5/99	Missing	HSA	165,122.8	1,268,589.4	308.16	--	--	ERM, 08/2008	Flush	60	2	53-58	--	0.020	50.5-58	0-50.5
<b>Soil Vapor Extraction Wells</b>																		
SVE-1	BCS 403	6/29/09	--	HSA	164,943.5	1,268,516.2	311.85	312.02	--	PES, 08/2015	Flush	35.5	2	10-35	9.7-34.7	0.020	8-35.5	0-8
SVE-2	BCS 404	6/29/09	--	HSA	165,000.3	1,268,522.6	312.41	312.58	--	PES, 08/2015	Flush	35.5	2	10-35	9.6-34.6	0.020	8-35.5	0-8
SVE-3	BCS 409	6/30/09	--	HSA	165,070.2	1,268,536.4	308.28	--	307.84	PES, 02/2013	Flush	30.5	2	10-30	10.44-30.44	0.020	8-30.5	0-8
SVE-4	BCS 408	6/30/09	--	HSA	165,069.1	1,268,589.2	308.90	--	308.31	PES, 02/2013	Flush	30.5	2	10-30	10.59-30.59	0.020	8-30.5	0-8
SVE-5	BCS 407	6/30/09	--	HSA	165,068.8	1,268,655.3	309.91	--	309.31	PES, 02/2013	Flush	30.5	2	10-30	10.6-30.6	0.020	8-30.5	0-8
SVE-6	BBL 378	6/26/09	--	AKVAC	165,057.5	1,268,693.4	313.03	313.57	--	PES, 02/2013	Flush	10	2	5-10	4.6-9.6	0.010	4-10	0-4
SVE-7	BCS 406	6/30/09	--	HSA	165,077.5	1,268,704.6	310.71	--	309.95	PES, 02/2013	Flush	30.5	2	10-30	10.76-30.76	0.020	8-30.5	0-8
SVE-8	BCS 410	6/30/09	--	HSA	165,085.8	1,268,738.3	311.48	--	310.56	PES, 02/2013	Flush	30.5	2	10-30	10.92-30.92	0.020	8-30.5	0-8
SVE-9	BCS 405	6/29/09	--	HSA	165,060.0	1,268,819.5	313.31	--	312.13	PES, 02/2013	Flush	30.5	2	10-30	11.18-31.18	0.020	8-30.5	0-8
SVE-10	BCS 402	6/30/09	--	HSA	165,187.7	1,268,841.1	310.69	311.20	311.09	PES 03/2021	Flush	30.5	2	10-30	9.8-29.8	0.020	8-30.5	0-8
SVE-11A	BIE307	11/18/13	--	HSA	164,824.5	1,268,484.7	--	311.21	--	PES, 08/2015	Flush	20	4	5-19.98	4.6-19.58	0.020	3-20	0-3
SVE-11B	BIE301	11/18/13	--	HSA	164,831.2	1,268,492.0	--	311.43	--	PES, 08/2015	Flush	57	4	20-35	19.6-34.6	0.020	18-36	0-18
SVE-12A	BIE303	11/19/13	--	HSA	164,851.6	1,268,512.2	--	312.06	--	PES, 08/2015	Flush	20	4	5-19.98	4.6-19.58	0.020	3-20	0-3
SVE-12B	BIE304	11/20/13	--	HSA	164,853.8	1,268,506.7	--	311.52	--	PES, 08/2015	Flush	57	4	20-35	19.6-34.6	0.020	18-36	0-18
SVE-13A	BIE306	11/22/13	--	HSA	164,912.3	1,268,505.4	--	310.95	--	PES, 08/2015	Flush	20	4	5-19.98	4.6-19.58	0.020	3-20	0-3
SVE-13B	BIE305	11/21/13	--	HSA	164,903.3	1,268,505.6	--	310.99	--	PES, 08/2015	Flush	57.5	4	20-35	19.6-34.6	0.020	18-36	0-18
SVE-14	BID732	10/13/14	--	HSA	164,945.9	1,268,498.5	--	311.06	--	PES, 08/2015	Flush	36	4	19.63-34.63	19.23-34.23	0.020	18.3-36	3-18.3
SVE-15	BID736	10/15/14	--	HSA	165,000.5	1,268,503.7	--	311.30	--	PES, 08/2015	Flush	36	4	20.61-34.96	20.21-34.56	0.020	19.3-36	3.5-19.3
SVE-16	BID737	10/15/14	--	HSA	165,035.5	1,268,501.1	--	310.83	--	PES, 08/2015	Flush	36	4	20.49-34.79	20.09-34.39	0.020	18-36	3.5-18
SVE-17	BID709	9/24/14	--	HSA	165,071.8	1,268,503.4	--	308.39	--	PES, 08/2015	Flush	31	4	19.91-29.91	19.51-29.51	0.020	18-31	3.3-18
SVE-18	BID708	9/23/14	--	HSA	165,107.0	1,268,504.1	--	307.34	--	PES, 08/2015	Flush	31	4	19.79-29.79	19.39-29.39	0.020	17.9-31	16-17.9
SVE-19	BID715	9/29/14	--	HSA	165,091.9	1,268,579.7	--	308.53	--	PES, 08/2015	Flush	31	4	19.99-29.99	19.59-29.59	0.020	18-31	3.5-18
SVE-20	BLZ 286	8/30/21	--	HSA	165,057.7	1,268,696.8	313.02	313.37	313.42	PES, 03/2021	Flush	30	4	10.3-25.4	9.9-25	0.020	8-25	3-8
SVE-21	BLZ 287	8/30/21	--	HSA	165,057.2	1,268,703.5	313.04	313.47	313.51	PES, 03/2021	Flush	38	4	25.7-37.7	25.3-37.3	0.020	23-38	3-23
SVE-22	BLZ 288	9/1/21	--	HSA	165,085.5	1,268,715.6	309.90	310.27	310.20	PES, 03/2021	Flush	36	4	20.6-35.6	20.2-35.2	0.020	18-36	3-18
SVE-23	BLZ 289	9/1/21	--	HSA	165,180.7	1,268,839.9	310.71	311.22	311.16	PES, 03/2021	Flush	35.7	4	20.3-35.3	19.9-34.9	0.020	18-36	3-18
SVE-24 <sup>12</sup>	BLZ 290	9/1/21	--	HSA	165,175.9	1,268,862.8	312.20	312.53	312.50	PES, 03/2021	Flush	23	4	10.3-22.6	9.9-22.2	0.020	8-23	3-8
SVE-25 <sup>12</sup>	BLZ 285	9/2/21	--	HSA	165,164.6	1,268,852.0	311.32	311.86	311.77	PES, 03/2021	Flush	36.9	4	22.8-35.7	22.4-35.3	0.020	18-37	3-18

**Table 2**  
**Well Completion and Boring Details**  
**Manhattan Village Shopping Center and Harris Properties**  
**Normandy Park, Washington**  
**Farallon PN: 578-002**

Well Location	Ecology Well Tag Number	Date		Drilling Method <sup>1</sup>	Location <sup>2</sup> (feet NAD 83/91)		Elevation <sup>3</sup> (feet NAVD88)			Survey Date	Monument Type	Boring Depth <sup>6</sup> (feet)	Well Diameter <sup>7</sup> (inches)	Screen Depth (ft bgs)		Slot Size (inch)	Filter Pack (ft bgs)	Seal (ft bgs)
		Installed	Decom.		Monitoring Point <sup>4</sup>	Surface Casing Rim	Ground Surface <sup>5</sup>	Below Ground Surface	Below Top of Casing									
<b>Vapor Monitoring Probes</b>																		
VMP-1 (B-5)	BAB 454	3/26/08	--	DP	164,828.0	1,268,482.4	310.91	311.01	--	PES, 08/2015	Flush	30	0.75	10-15	9.7-14.7	0.010	7-30	0-7
VMP-2 (B-7)	BAB 453	3/25/08	--	DP	164,964.6	1,268,493.8	310.97	311.04	--	PES, 08/2015	Flush	30	0.75	10-15	9.8-14.8	0.010	7-30	0-7
VMP-3 (B-9)	BAB 452	3/25/08	--	DP	165,028.4	1,268,497.6	310.58	310.71	--	PES, 02/2013	Flush	30	0.75	10-15	9.9-14.9	0.010	7-30	0-7
VMP-4 (B-11)	BAB 455	3/27/08	--	DP	165,079.0	1,268,533.8	307.67	308.00	--	PES, 02/2013	Flush	30	0.75	10-15	9.7-14.7	0.010	7-30	0-7
VMP-5 (B-12)	BAB 456	3/27/08	--	DP	165,083.7	1,268,602.8	308.22	308.48	--	PES, 02/2013	Flush	25	0.75	10-15	9.7-14.7	0.010	7-25	0-7
VMP-6 (B-13)	BAB 457	3/27/08	--	DP	165,071.2	1,268,674.9	308.95	309.18	--	PES, 02/2013	Flush	26	0.75	10-15	9.8-14.8	0.010	7-26	0-7
<b>Soil Vapor Sampling Probes</b>																		
SVS-10	NA	11/5/03	--	HA	--	--	--	--	--	--	Flush	1.0	1.0	0.96-1.00	--	Mesh <sup>11</sup>	0.5-1.0	0-0.5
SVS-11	NA	4/16/18	--	HA	--	--	--	--	--	--	Flush	1.3	0.63	1.27-1.30	--	Mesh <sup>11</sup>	0.5-1.0	0-0.5
SVS-12	NA	4/16/18	6/2/22	HA	--	--	--	--	--	--	Flush	1.3	0.63	1.27-1.30	--	Mesh <sup>11</sup>	0.5-1.0	0-0.5
SVS-13	NA	4/16/18	--	HA	--	--	--	--	--	--	Flush	1.2	0.63	1.27-1.30	--	Mesh <sup>11</sup>	0.5-1.0	0-0.5
SVS-14	NA	4/25/18	--	HA	--	--	--	--	--	--	Flush	1.3	0.63	1.27-1.30	--	Mesh <sup>11</sup>	0.5-1.0	0-0.5
SVS-15	NA	4/25/18	--	HA	--	--	--	--	--	--	Flush	1.3	0.63	1.27-1.30	--	Mesh <sup>11</sup>	0.5-1.0	0-0.5
SVS-16	NA	4/25/18	6/2/22	HA	--	--	--	--	--	--	Flush	1.3	0.63	1.27-1.30	--	Mesh <sup>11</sup>	0.5-1.0	0-0.5
SVS-17	BKX 980	2/28/19	--	HA	--	--	--	--	--	--	Flush	5.0	2.25	4.5-5.0	--	Mesh <sup>11</sup>	4-5	0-4
SVS-18	NA	9/28/22	--	HA	--	--	--	--	--	--	Flush	1.0	0.63	4.5-5.0	--	Mesh <sup>11</sup>	4-5	0-4
<b>Recirculation Well</b>																		
TW-1	APK 570	5/2/06	--	HSA	165,114.8	1,268,571.3	--	--	--	PES, 02/2013	AG	50	6	25-35/45-50	--	0.010	22-35/40-50	0-22/35-40
<b>Pilot Test Injection Well</b>																		
IW-1	BHB 291	4/29/11	--	HSA	--	--	--	--	--	--	AG	38	2	33-38	--	0.010	31-38	0-31
<b>Air Sparging Wells</b>																		
AS-1	BHV 647	5/17/13	--	HSA	165,116.9	1,268,511.0	--	307.23	307.34	PES, 08/2015	Flush	48	1	43.8-45.8	43.4-45.4	0.010	43.5-48	0-43.5
AS-2	BID714	9/29/14	--	HSA	165,093.2	1,268,557.0	--	308.30	--	PES, 08/2015	Flush	53	2	48.08-51.13	47.68-50.73	0.020	48-53	3.0-48
AS-3	BID718	10/1/14	--	HSA	165,091.7	1,268,574.0	--	308.44	--	PES, 08/2015	Flush	51	2	48.14-50.14	47.74-49.74	0.020	46-51	3.6-46
AS-4	BID717	9/30/14	--	HSA	165,073.3	1,268,590.4	--	308.25	--	PES, 08/2015	Flush	51	2	48.82-50.80	48.42-50.4	0.020	47.3-51	3.3-47.3
AS-5	BID716	9/30/14	--	HSA	165,073.7	1,268,566.0	--	307.97	--	PES, 08/2015	Flush	52	2	48.77-50.79	48.37-50.39	0.020	47.5-52	3.5-47.5
AS-6	BID713	9/26/14	--	HSA	165,073.2	1,268,541.5	--	307.89	--	PES, 08/2015	Flush	52	2	48.91-50.92	48.51-50.52	0.020	47.6-52	3.5-47.6
AS-7	BID710	9/24/14	--	HSA	165,080.3	1,268,521.9	--	308.01	--	PES, 08/2015	Flush	50.5	2	46.93-48.91	46.53-48.51	0.020	46-50.5	3.5-43
AS-8	BID740	10/17/14	--	HSA	165,058.0	1,268,525.1	--	312.52	--	PES, 08/2015	Flush	54	2	52.10-54.14	51.7-53.74	0.020	51-54.31	3.5-51
AS-9	BID739	10/16/14	--	HSA	165,029.5	1,268,522.9	--	312.52	--	PES, 08/2015	Flush	54	2	51.09-53.11	50.69-52.71	0.020	50-54	4-50
AS-10	BID733	10/14/14	--	HSA	165,004.5	1,268,521.9	--	312.52	--	PES, 08/2015	Flush	56	2	52.78-54.80	52.38-54.4	0.020	52-56	3.9-52
AS-11	BID731	10/13/14	--	HSA	164,976.2	1,268,521.3	--	312.57	--	PES, 08/2015	Flush	54.5	2	52.27-54.27	51.87-53.87	0.020	50.51-54.5	3-50.5
AS-12	BID729	10/10/14	--	HSA	164,948.4	1,268,520.9	--	312.34	--	PES, 08/2015	Flush	54.24	2	52.06-54.07	51.66-53.67	0.020	50.7-54.24	3.5-50.7
AS-13	BID728	10/9/14	--	HSA	164,920.9	1,268,520.2	--	311.72	--	PES, 08/2015	Flush	54	2	51.64-53.67	51.24-53.27	0.020	50.7-54	3.5-50.7
AS-14	BID726	10/8/14	--	HSA	164,891.0	1,268,520.2	--	311.93	--	PES, 08/2015	Flush	54.09	2	51.88-53.92	51.48-53.52	0.020	50.9-54.09	3.3-50.09
AS-15	BID723	10/6/14	--	HSA	164,865.7	1,268,520.3	--	312.35	--	PES, 08/2015	Flush	54	2	50.89-52.87	50.49-52.47	0.020	50-54	3.5-50
AS-16	BID724	10/7/14	--	HSA	164,841.0	1,268,511.9	--	312.37	--	PES, 08/2015	Flush	54	2	51.89-53.97	51.49-53.57	0.020	51-54.04	3.3-51
AS-17	BID721	10/3/14	--	HSA	164,821.9	1,268,488.3	--	311.44	--	PES, 08/2015	Flush	54.02	2	51.87-53.85	51.47-53.45	0.020	50.5-54.02	3.3-50.5
AS-18	BID719	10/2/14	--	HSA	164,810.9	1,268,465.6	--	310.51	--	PES, 08/2015	Flush	54.5	2	50.37-52.35	49.97-51.95	0.020	49.5-54.5	3.6-49.5
AS-19	BID720	10/3/14	--	HSA	164,834.5	1,268,474.4	--	310.67	--	PES, 08/2015	Flush	54.08	2	51.94-53.91	51.54-53.51	0.020	50.7-54.08	3.0-54.08
AS-20	BID722	10/6/14	--	HSA	164,852.1	1,268,491.4	--	311.00	--	PES, 08/2015	Flush	54	2	50.96-52.94	50.56-52.54	0.020	49.6-54	3.5-49.6
AS-21	BID725	10/7/14	--	HSA	164,879.0	1,268,495.8	--	310.98	--	PES, 08/2015	Flush	55	2	51.92-53.92	51.52-53.52	0.020	50.7-55	3.5-50.7
AS-22	BID727	10/8/14	--	HSA	164,907.4	1,268,496.1	--	310.72	--	PES, 08/2015	Flush	55	2	52.38-54.40	51.98-54	0.020	51.5-55	3.5-51.5
AS-23	BID730	10/10/14	--	HSA	164,935.3	1,268,497.1	--	310.88	--	PES, 08/2015	Flush	55	2	52.72-54.76	52.32-54.36	0.020	52-55	3.7-55
AS-24	BID734	10/14/14	--	HSA	164,963.7	1,268,494.9	--	311.08	--	PES, 08/2015	Flush	55	2	52.68-54.74	52.28-54.34	0.020	52-55	3.5-52
AS-25	BID735	10/15/14	--	HSA	164,993.3	1,268,503.1	--	311.33	--	PES, 08/2015	Flush	56	2	53.35-55.36	52.95-54.96	0.020	51.9-56	3.5-51.9
AS-26	BID738	10/16/14	--	HSA	165,018.0	1,268,497.2	--	310.75	--	PES, 08/2015	Flush	55.5	2	53.10-54.14	52.7-53.74	0.020	52-55.5	4-52
AS-27	BID741	10/17/14	--	HSA	165,047.3	1,268,497.3	--	310.99	--	PES, 08/2015	Flush	55.5	2	53.10-55.14	52.7-54.74	0.020	52-55.5	4-52
AS-28	BID706	9/22/14	--	HSA	165,077.4	1,268,498.9	--	308.11	--	PES, 08/2015	Flush	50.5	2	47.94-49.88	47.54-49.48	0.020	47.5-50.5	3.5-47.5
AS-29	BID707	9/23/14	--	HSA	165,098.0	1,268,498.4	--	307.74	--	PES, 08/2015	Flush	51	2	48.10-50.08	47.7-49.68	0.020	47-51	3.3-47
AS-30	BID711	9/25/14	--	HSA	165,100.2	1,268,516.2	--	307.36	--	PES, 08/2015	Flush	52	2	48.24-50.24	47.84-49.84	0.020	46.8-52	3.8-46.8
AS-31	BID712	9/26/14	--	HSA	165,098.2	1,268,535.6	--	308.10	--	PES, 08/2015	Flush	52.5	2	48.86-50.89	48.46-50.49	0.020	47.6-52.5	3.5-47.6

**Table 2**  
**Well Completion and Boring Details**  
**Manhattan Village Shopping Center and Harris Properties**  
**Normandy Park, Washington**  
**Farallon PN: 578-002**

Well Location	Ecology Well Tag Number	Date		Drilling Method <sup>1</sup>	Location <sup>2</sup> (feet NAD 83/91)		Elevation <sup>3</sup> (feet NAVD88)			Survey Date	Monument Type	Boring Depth <sup>6</sup> (feet)	Well Diameter <sup>7</sup> (inches)	Screen Depth (ft bgs)		Slot Size (inch)	Filter Pack (ft bgs)	Seal (ft bgs)
		Installed	Decom.		Northing	Easting	Monitoring Point <sup>4</sup>	Surface Casing Rim	Ground Surface <sup>5</sup>					Below Ground Surface	Below Top of Casing			
<b>Supplemental Investigation Borings</b>																		
SB-10	NA	4/16/18	4/16/18	DP	164,837.8	1,268,523.0	--	--	313.30	PES, 05/2018	--	11	2.25	--	--	--	--	--
SB-11	NA	4/16/18	4/16/18	DP	164,831.3	1,268,470.8	--	--	310.59	PES, 05/2018	--	15	2.25	--	--	--	--	--
SB-12	NA	4/16/18	4/16/18	DP	164,812.7	1,268,480.9	--	--	311.18	PES, 05/2018	--	11	2.25	--	--	--	--	--
SB-13	NA	4/16/18	4/16/18	DP	165,056.3	1,268,696.8	--	--	313.34	PES, 05/2018	--	29	2.25	--	--	--	--	--
SB-13A	NA	4/25/18	4/25/18	DP	165,055.2	1,268,697.2	--	--	313.38	PES, 05/2018	--	33	2.25	--	--	--	--	--
SB-13B	NA	4/25/18	4/25/18	DP	165,067.3	1,268,697.4	--	--	309.32	PES, 05/2018	--	40	2.25	--	--	--	--	--
SB-14	NA	4/16/18	4/16/18	DP	165,056.3	1,268,717.0	--	--	313.60	PES, 05/2018	--	31.5	2.25	--	--	--	--	--
SB-14A	NA	4/25/18	4/25/18	DP	165,056.2	1,268,717.8	--	--	313.60	PES, 05/2018	--	40	2.25	--	--	--	--	--
SB-15	NA	4/17/18	4/17/18	DP	165,078.3	1,268,721.7	--	--	310.28	PES, 05/2018	--	40	2.25	--	--	--	--	--
SB-16	NA	4/17/18	4/17/18	DP	165,172.1	1,268,822.2	--	--	310.61	PES, 05/2018	--	40	2.25	--	--	--	--	--
SB-17	NA	4/18/18	4/18/18	DP	165,175.7	1,268,798.0	--	--	310.03	PES, 05/2018	--	40	2.25	--	--	--	--	--
SB-18	NA	4/18/18	4/18/18	DP	165,201.4	1,268,799.7	--	--	309.93	PES, 05/2018	--	40	2.25	--	--	--	--	--
SB-19 <sup>10</sup>	NA	4/19/18	4/19/18	DP	165,132.6	1,268,649.4	--	--	308.76	PES, 05/2018	--	40	2.25	36-40	--	0.004	--	--
SB-20 <sup>10</sup>	NA	4/19/18	4/19/18	DP	165,154.5	1,268,680.2	--	--	309.00	PES, 05/2018	--	40	2.25	36-40	--	0.004	--	--
SB-21 <sup>10</sup>	NA	4/19/18	4/19/18	DP	165,187.4	1,268,742.4	--	--	309.65	PES, 05/2018	--	40	2.25	36-40	--	0.004	--	--
SB-22 <sup>10</sup>	NA	4/20/18	4/20/18	DP	165,173.0	1,268,709.8	--	--	309.07	PES, 05/2018	--	40	2.25	36-40	--	0.004	--	--
SB-23 <sup>10</sup>	NA	4/20/18	4/20/18	DP	165,109.3	1,268,725.1	--	--	309.76	PES, 05/2018	--	40	2.25	36-40	--	0.004	--	--
SB-24 <sup>10</sup>	NA	4/23/18	4/23/18	DP	165,113.2	1,268,695.3	--	--	310.24	PES, 05/2018	--	40	2.25	36-40	--	0.004	--	--
SB-25 <sup>10</sup>	NA	4/23/18	4/23/18	DP	165,107.6	1,268,755.1	--	--	310.27	PES, 05/2018	--	40	2.25	36-40	--	0.004	--	--
SB-26	NA	4/24/18	4/24/18	DP	165,177.8	1,268,857.4	--	--	312.30	PES, 05/2018	--	40	2.25	--	--	--	--	--
SB-27	NA	4/24/18	4/24/18	DP	165,166.7	1,268,856.4	--	--	311.62	PES, 05/2018	--	40	2.25	--	--	--	--	--
SB-28	NA	4/24/18	4/24/18	DP	165,209.6	1,268,850.2	--	--	310.94	PES, 05/2018	--	40	2.25	--	--	--	--	--
SB-29 <sup>10</sup>	NA	4/24/18	4/24/18	DP	165,116.8	1,268,669.9	--	--	309.39	PES, 05/2018	--	40	2.25	36-40	--	0.004	--	--
SB-30	NA	4/25/18	4/25/18	DP	165,196.5	1,268,529.1	--	--	304.82	PES, 05/2018	--	40	2.25	--	--	--	--	--
<b>Decommissioned Monitoring Wells<sup>13</sup></b>																		
MW-1	--	12/9/99	9/6/22	HSA	165,180.1	1,268,830.5	310.63	310.89	310.81	PES 03/2021	Flush	44	2	34-44	--	0.020	est. 32-44	0-est. 32
MW-2	--	12/9/99	9/6/22	HSA	165,149.8	1,268,724.6	308.34	309.13	309.12	PES, 08/2015	Flush	43	2	33-43	32.22-42.22	0.020	est. 31-43	0-est. 31
MW-3	BAB 465	4/8/08	9/7/22	HSA	164,857.2	1,268,511.5	311.41	311.76	311.74	PES, 08/2015	Flush	47	2	36-46	35.67-45.67	0.010	34-46	0-34
MW-5	BAB 464	4/8/08	9/6/22	HSA	165,331.6	1,268,938.6	310.38	310.84	--	PES, 08/2015	Flush	46	2	36-46	35.6-45.6	0.010	34-46	0-34
MW-8	APE 295	8/18/08	9/8/22	HSA	165,681.2	1,268,349.8	280.68	281.05	280.97	PES, 08/2015	Flush	26	2	13-23	12.71-22.71	0.010	11-23	0-11
MW-12	BHL 051	3/28/12	9/7/22	HSA	164,825.0	1,268,516.1	312.80	313.12	313.10	PES, 08/2015	Flush	46.5	2	36-46	35.7-45.7	0.010	34-46.5	0-34
MW-13	BHL 053	3/29/12	9/7/22	HSA	165,036.5	1,268,459.8	308.75	309.16	309.17	PES, 08/2015	Flush	46.5	2	35-45	34.58-44.58	0.010	33-45	0-33
MW-14	BHL 054	3/27/12	9/7/22	HSA	165,261.1	1,268,564.6	303.82	304.24	--	PES, 02/2013	Flush	38	2	28-38	27.6-37.6	0.010	26-38	0-26
MW-15	BHL 052	3/28/12	9/6/22	HSA	165,103.9	1,268,678.7	312.44	312.81	310.30	PES, 02/2013	AG	46.5	2	35-45	37.14-47.14	0.010	33-45.5	0-33
MW-16	BHU 646	5/16/13	9/6/22	HSA	165,164.5	1,268,613.3	310.37	311.21	307.92	PES, 05/2013	AG	43	2	27.2-42.2	29.45-44.65	0.020	25-43	0-25
MW-19	BLK 427	10/17/19	9/7/22	HSA	165,346.1	1,268,663.1	305.35	305.77	305.90	PES, 10/2019	Flush	55.5	2	43.9-53.9	43.35-53.35	0.010	42-55	0-42
DC-1	AEE 921	10/12/98	9/7/22	HSA	164,940.2	1,268,698.6	312.82	313.34	--	PES, 02/2013	Flush	47	2	40-45	39.5-44.5	0.020	37-47	0-37
DC-2	AEE 924	10/13/98	9/7/22	HSA	165,055.6	1,268,655.1	312.92	313.61	313.70	PES, 08/2015	Flush	50	2	42-47	41.22-46.22	0.020	40-50	0-40
DC-3	AEE 925	10/13/98	9/7/22	HSA	165,056.4	1,268,607.7	313.11	313.68	313.79	PES, 08/2015	Flush	48	2	43-48	42.32-47.32	0.020	41-48	0-41
DC-5	--	1/22/99	9/7/22	HSA	165,166.5	1,268,526.9	306.03	306.28	306.24	PES, 08/2015	Flush	58.5	2	41-46	40.79-45.79	0.020	39-47	0-39
DC-10B	AER 679	4/6/99	9/6/22	HSA	165,120.4	1,268,497.5	307.80	308.29	307.89	PES, 08/2015	Flush	56	2	45-50	44.91-49.91	0.020	43-50	0-43
DC-11	APS 771	4/19/07	9/6/22	HSA	165,078.5	1,268,816.1	311.25	311.66	--	PES, 02/2013	Flush	42	2	32-42	31.6-41.6	0.010	30-42	0-30
DC-12	APS 772	4/18/07	9/6/22	HSA	165,179.8	1,268,852.1	311.22	311.81	311.73	PES 03/2021	Flush	42	2	32-42	31.7-41.7	0.010	30-42	0-30
DC-13	APS 773	4/19/07	9/6/22	HSA	165,208.9	1,268,827.2	310.20	310.52	--	PES, 02/2013	Flush	42	2	32-42	31.7-41.7	0.010	30-42	0-30
DC-14	APS 769	4/17/07	3/1/19	HSA	165,355.0	1,268,812.6	308.94	309.49	--	PES, 02/2013	Flush	45	2	35-45	34.4-44.4	0.010	33-45	0-33
DC-16	APS 770	4/18/07	9/6/22	HSA	165,169.7	1,268,611.5	307.12	307.79	--	PES, 02/2013	Flush	61.5	2	50-60	49.3-59.3	0.010	50-60	0-50
DC-18	APS 308	4/18/07	9/6/22	HSA	165,197.1	1,268,765.0	309.51	309.95	309.93	PES, 08/2015	Flush	42	2	32-42	31.58-41.58	0.010	30-42	0-30
DC-19	--	6/1/07	9/7/22	HSA	165,039.3	1,268,829.6	313.62	313.82	--	PES, 02/2013	Flush	47	2	37-47	36.8-46.8	0.010	35-47	0-35
DC-20	BAR 534	5/28/08	9/6/22	HSA	165,237.2	1,268,854.8	310.92	311.13	--	PES, 02/2013	Flush	44	2	34-44	33.8-43.8	0.020	32-44	0-32
KMW-1	--	7/25/05	9/6/22	HSA	165,245.9	1,268,892.6	311.59	311.82	--	PES, 08/2015	Flush	52	2	37-52	36.8-51.8	0.010	34-52	0-34
KMW-2	APK 570	5/1/06	9/6/22	HSA	165,111.7	1,268,531.0	307.04	307.27	307.13	PES, 08/2015	Flush	50	2	30-40	29.91-39.91	0.010	8-40	0-8
KMW-4	APS 347	3/28/07	9/8/22	HSA	165,175.7	1,268,369.8	299.57	299.84	299.78	PES, 08/2015	Flush	34	2	24-34	23.79-33.79	0.020	23-34	0-22
KMW-5	APS 346	3/28/07	9/8/22	HSA	165,267.7	1,268,380.4	297.22	297.58	297.56	PES, 08/2015	Flush	34	2	24-34	23.66-33.66	0.020	22-34	0-22
KMW-5D	APS 345	3/28/07	9/8/22	HSA	165,276.5	1,268,382.0	297.04	297.35	297.32	PES, 08/2015	Flush	46	2	41-46	40.72-45.72	0.020	41-46	0-41
KMW-6	APS 343	3/27/07	9/8/22	HSA	165,391.1	1,268,399.1	294.80	295.27	295.20	PES, 10/2019	Flush	42.5	2	26.18-41.18	25.78-40.78	0.020	22-41	0-22
KMW-9	APS 344	3/27/07	9/6/22	HSA	165,079.0	1,268,726.3	310.33	310.83	310.83	PES, 08/2015	Flush	44	2	34-44	33.5-43.5	0.020	32-44	0-32

**Table 2  
Well Completion and Boring Details  
Manhattan Village Shopping Center and Harris Properties  
Normandy Park, Washington  
Farallon PN: 578-002**

Well Location	Ecology Well Tag Number	Date		Drilling Method <sup>1</sup>	Location <sup>2</sup> (feet NAD 83/91)		Elevation <sup>3</sup> (feet NAVD88)			Survey Date	Monument Type	Boring Depth <sup>6</sup> (feet)	Well Diameter <sup>7</sup> (inches)	Screen Depth (ft bgs)		Slot Size (inch)	Filter Pack (ft bgs)	Seal (ft bgs)
		Installed	Decom.		Monitoring Point <sup>4</sup>	Surface Casing Rim	Ground Surface <sup>5</sup>	Below Ground Surface	Below Top of Casing									
<b>Former SCS Soil Vapor Extraction Wells (1999)</b>																		
VES-1 (B1)	--	1999	2000	--	--	--	--	--	--	--	Flush	11.5	2	3-11	--	0.020	2.5-11.5	1.5-2.5
VES-2A	--	1999	2000	--	--	--	--	--	--	--	Flush	6.5	2	3-6	--	0.020	2.5-6.5	1.5-2.5
VES-2B	--	1999	2000	--	--	--	--	--	--	--	Flush	36	2	11.5-35.5	--	0.020	7.5-36	1.5-2.5/6.5-7.5
VES-3 (BH-15)	--	1999	2000	--	--	--	--	--	--	--	Flush	6.5	2	3-6	--	0.020	2.5-6.5	1.5-2.5
VES-4 (BH-16)	--	1999	2000	--	--	--	--	--	--	--	Flush	6.5	2	3-6	--	0.020	2.5-6.5	1.5-2.5
VES-5 (BH-17)	--	1999	2000	--	--	--	--	--	--	--	Flush	6.5	2	3-6	--	0.010	2.5-6.5	1.5-2.5
VES-6A (BH-1)	--	1999	2000	--	--	--	--	--	--	--	Flush	6.5	2	3-6	--	0.020	2.5-6.5	1.5-2.5
VES-6B (BH-1)	--	1999	2000	--	--	--	--	--	--	--	Flush	36	2	11.5-35.5	--	0.020	7.5-36	1.5-2.5/6.5-7.5
VES-7	--	1999	2000	--	--	--	--	--	--	--	Flush	6.5	2	3-6	--	0.020	2.5-6.5	1.5-2.5

**NOTES:**

--- indicates not documented or information unknown.

<sup>1</sup> Drilling methods include hollow stem auger (HSA), direct push (DP), vacuum truck with air knife (AKVAC), and hand augered (HA).

<sup>2</sup> Northing and easting in feet relative to the Washington State Plane System North Zone (NAD 83/91)

<sup>3</sup> Elevations in feet relative to North American Vertical Datum of 1988 (NAVD88).

<sup>4</sup> Monitoring point is at the top of the PVC well casing.

<sup>5</sup> Surface elevations for the direct push borings represents ground surface adjacent to the boring.

<sup>6</sup> All depths shown in feet below ground surface (ft bgs)

<sup>7</sup> All wells completed with Schedule 40 PVC with the exception of AS-1 (Schedule 80 PVC).

<sup>8</sup> Screened intervals are documented on boring logs and are typically based on a field measurements relative to ground surface at the time of drilling.

Screened intervals relative to top of casing are estimated using well field construction measurements, surveyed top of casing elevations, surveyed ground surface elevations, and in some cases surveyed monument rim elevations. If ground or rim elevations are not surveyed, then top of casing is assumed to be 0.4 ft depth.

<sup>9</sup> Monitoring wells DC-6, DC-9A, DC-9B are missing or destroyed. The 1999 SCS VES wells have been decommissioned.

<sup>10</sup> Temporary well screens consisting of Geoprobe SP22 stainless steel slotted tooling were deployed in direct push borings SB-19 through SB-25 and SB-29.

<sup>11</sup> Soil vapor sampling probe screens are constructed of fine metal mesh.

<sup>12</sup> Soil vapor extraction wells SVE-24 and SVE-25 were installed at a 45 degree angle. The wells were cut off 4 feet below ground surface and the casings extended vertically. Depth intervals have been converted from length along the boring by dividing by 1.41.

<sup>13</sup> A total of 30 monitoring wells were decommissioned on 9/6 - 9/8/2022. MW-1, MW-2, and DC-5 were drilled out. The remaining wells were chipped up and decommissioned in place including MW-3, MW-5, MW-8, MW-12, MW-13, MW-14, MW-15, MW-16, MW-19, DC-1, DC-2, DC-3, DC-10B, DC-11, DC-12, DC-13, DC-16, DC-18, DC-19, DC-20, KMW-1, KMW-3, KMW-4, KMW-5, KMW-5D, KMW-6, and KMW-9.

**Table 3**  
**Historical Summary of Groundwater Elevations**  
**Manhattan Village Shopping Center and Harris Properties**  
**Normandy Park, Washington**  
**Farallon PN: 578-002**

<b>Location</b>	<b>Monitoring Date</b>	<b>Top of Casing Elevation<sup>1,2,3</sup> (feet NAVD88)</b>	<b>Depth to Water<sup>4</sup> (feet below well casing)</b>	<b>Water Level Elevation<sup>3</sup> (feet NAVD88)</b>
MW-1	12/10/1999	309.97	37.44	272.53
MW-1	2/9/2005	309.97	39.52	270.45
MW-1	4/11/2006	309.97	37.78	272.19
MW-1	10/26/2006	309.97	39.22	270.75
MW-1	4/24/2007	309.97	36.61	273.36
MW-1	8/21/2008	309.97	37.32	272.65
MW-2	12/10/1999	307.69	35.60	272.09
MW-2	11/5/2010	307.69	37.03	270.66
MW-2	2/11/2011	307.69	35.81	271.88
MW-2	5/30/2011	307.69	34.40	273.29
MW-2	7/19/2011	307.69	34.71	272.98
MW-2	10/17/2011	307.69	35.80	271.89
MW-2	4/2/2012	307.69	36.11	271.58
MW-2	5/28/2013	308.56	35.73	272.83
MW-2	4/14/2014	308.56	36.17	272.39
MW-2	10/21/2014	308.34	36.48	271.86
MW-2	12/11/2015	308.34	36.89	271.45
MW-2	12/13/2016	308.34	36.09	272.25
MW-2	3/13/2017	308.34	34.93	273.41
MW-2	7/17/2017	308.34	33.97	274.37
MW-2	10/20/2017	308.34	35.45	272.89
MW-2	1/24/2018	308.34	35.61	272.73
MW-2	4/17/2018	308.34	34.93	273.41
MW-2	7/18/2018	308.34	35.12	273.22
MW-2	10/15/2018	308.34	36.26	272.08
MW-2	10/24/2019	308.34	37.20	271.14
MW-2	12/7/2021	308.34	37.05	271.29
MW-3	8/21/2008	311.49	39.77	271.72
MW-3	11/5/2010	311.49	39.43	272.06
MW-3	2/11/2011	311.49	38.10	273.39
MW-3	5/30/2011	311.49	36.66	274.83
MW-3	7/19/2011	311.49	37.03	274.46
MW-3	10/17/2011	311.49	38.18	273.31
MW-3	4/2/2012	311.49	38.39	273.10
MW-3	5/28/2013	311.62	38.09	273.53
MW-3	10/21/2014	311.41	38.91	272.50
MW-3	12/9/2015	311.41	39.28	272.13
MW-3	12/13/2016	311.41	38.44	272.97
MW-3	3/13/2017	311.41	37.09	274.32
MW-3	7/17/2017	311.41	36.21	275.20
MW-3	10/20/2017	311.41	37.61	273.80
MW-3	1/24/2018	311.41	37.73	273.68
MW-3	4/17/2018	311.41	37.24	274.17
MW-3	7/18/2018	311.41	37.52	273.89
MW-3	10/15/2018	311.41	38.68	272.73
MW-3	10/24/2019	311.41	39.68	271.73
MW-3	12/7/2021	311.41	39.34	272.07

**Table 3**  
**Historical Summary of Groundwater Elevations**  
**Manhattan Village Shopping Center and Harris Properties**  
**Normandy Park, Washington**  
**Farallon PN: 578-002**

<b>Location</b>	<b>Monitoring Date</b>	<b>Top of Casing Elevation<sup>1,2,3</sup> (feet NAVD88)</b>	<b>Depth to Water<sup>4</sup> (feet below well casing)</b>	<b>Water Level Elevation<sup>3</sup> (feet NAVD88)</b>
MW-4	11/5/2010	310.54	38.74	271.80
MW-4	2/11/2011	310.54	37.41	273.13
MW-4	5/30/2011	310.54	35.99	274.55
MW-4	7/19/2011	310.54	36.37	274.17
MW-4	10/17/2011	310.54	37.50	273.04
MW-4	4/2/2012	310.54	37.67	272.87
MW-4	5/28/2013	310.68	37.40	273.28
MW-4	10/21/2014	310.47	38.13	272.34
MW-4	12/9/2015	310.47	38.60	271.87
MW-4	12/13/2016	310.47	37.36	273.11
MW-4	3/13/2017	310.47	36.42	274.05
MW-4	7/17/2017	310.47	35.59	274.88
MW-4	10/20/2017	310.47	37.17	273.30
MW-4	1/24/2018	310.47	37.04	273.43
MW-4	4/17/2018	310.47	36.59	273.88
MW-4	7/18/2018	310.47	36.86	273.61
MW-4	10/15/2018	310.47	38.01	272.46
MW-4	10/24/2019	310.47	39.00	271.47
MW-4	12/7/2021	310.47	38.84	271.63
MW-4	6/20/2024	310.47	38.07	272.40
MW-5	8/21/2008	310.28	39.96	270.32
MW-5	11/5/2010	310.28	39.73	270.55
MW-5	2/11/2011	310.28	38.60	271.68
MW-5	5/30/2011	310.28	37.24	273.04
MW-5	7/19/2011	310.28	37.51	272.77
MW-5	10/17/2011	310.28	38.54	271.74
MW-5	4/2/2012	310.28	38.90	271.38
MW-5	10/21/2014	310.38	39.17	271.21
MW-5	12/9/2015	310.38	39.69	270.69
MW-5	12/13/2016	310.38	38.80	271.58
MW-5	3/13/2017	310.38	37.80	272.58
MW-5	7/17/2017	310.38	36.80	273.58
MW-5	10/20/2017	310.38	38.17	272.21
MW-5	1/24/2018	310.38	38.60	271.78
MW-5	4/17/2018	310.38	37.71	272.67
MW-5	7/18/2018	310.38	37.89	272.49
MW-5	10/15/2018	310.38	38.92	271.46
MW-5	10/24/2019	310.38	39.85	270.53

**Table 3**  
**Historical Summary of Groundwater Elevations**  
**Manhattan Village Shopping Center and Harris Properties**  
**Normandy Park, Washington**  
**Farallon PN: 578-002**

<b>Location</b>	<b>Monitoring Date</b>	<b>Top of Casing Elevation<sup>1,2,3</sup> (feet NAVD88)</b>	<b>Depth to Water<sup>4</sup> (feet below well casing)</b>	<b>Water Level Elevation<sup>3</sup> (feet NAVD88)</b>
MW-6	8/21/2008	304.27	37.46	266.81
MW-6	11/5/2010	304.27	37.25	267.02
MW-6	2/11/2011	304.27	36.30	267.97
MW-6	5/30/2011	304.27	35.50	268.77
MW-6	7/19/2011	304.27	35.38	268.89
MW-6	10/17/2011	304.27	36.24	268.03
MW-6	4/2/2012	304.27	36.53	267.74
MW-6	10/21/2014	304.14	37.79	266.35
MW-6	12/9/2015	304.14	37.22	266.92
MW-6	12/13/2016	304.14	36.49	267.65
MW-6	3/13/2017	304.14	35.68	268.46
MW-6	7/17/2017	304.14	34.79	269.35
MW-6	10/20/2017	304.14	38.24	265.90
MW-6	1/24/2018	304.14	36.08	268.06
MW-6	4/17/2018	304.14	35.61	268.53
MW-6	7/18/2018	304.14	35.71	268.43
MW-6	10/15/2018	304.14	36.58	267.56
MW-6	10/25/2019	304.14	37.37	266.77
MW-7	8/21/2008	302.76	39.00	263.76
MW-7	11/5/2010	302.76	38.74	264.02
MW-7	2/11/2011	302.76	37.61	265.15
MW-7	5/30/2011	302.76	36.09	266.67
MW-7	7/19/2011	302.76	36.43	266.33
MW-7	10/17/2011	302.76	37.43	265.33
MW-7	4/2/2012	302.76	37.52	265.24
MW-7	5/28/2013	302.76	37.48	265.28
MW-7	10/30/2014	302.64	35.80	266.84
MW-7	12/9/2015	302.64	38.75	263.89
MW-7	12/13/2016	302.64	37.79	264.85
MW-7	3/13/2017	302.64	36.79	265.85
MW-7	7/17/2017	302.64	35.75	266.89
MW-7	10/20/2017	302.64	37.16	265.48
MW-7	1/24/2018	302.64	37.33	265.31
MW-7	4/17/2018	302.64	36.79	265.85
MW-7	7/18/2018	302.64	37.00	265.64
MW-7	10/23/2018	302.64	38.15	264.49
MW-7	10/25/2019	302.64	39.04	263.60
MW-7	12/7/2021	302.64	38.78	263.86

**Table 3**  
**Historical Summary of Groundwater Elevations**  
**Manhattan Village Shopping Center and Harris Properties**  
**Normandy Park, Washington**  
**Farallon PN: 578-002**

<b>Location</b>	<b>Monitoring Date</b>	<b>Top of Casing Elevation<sup>1,2,3</sup> (feet NAVD88)</b>	<b>Depth to Water<sup>4</sup> (feet below well casing)</b>	<b>Water Level Elevation<sup>3</sup> (feet NAVD88)</b>
MW-8	8/21/2008	280.08	12.78	267.30
MW-8	2/11/2011	280.08	11.11	268.97
MW-8	5/30/2011	280.08	10.20	269.88
MW-8	7/19/2011	280.08	10.66	269.42
MW-8	10/17/2011	280.08	11.52	268.56
MW-8	4/2/2012	280.08	11.09	268.99
MW-8	10/21/2014	280.68	12.12	268.56
MW-8	12/9/2015	280.68	11.81	268.87
MW-8	12/13/2016	280.68	11.40	269.28
MW-8	3/13/2017	280.68	10.30	270.38
MW-8	7/17/2017	280.68	10.26	270.42
MW-8	10/20/2017	280.68	10.25	270.43
MW-8	1/24/2018	280.68	10.80	269.88
MW-8	4/17/2018	280.68	10.50	270.18
MW-8	7/18/2018	280.68	11.22	269.46
MW-8	10/16/2018	280.68	12.09	268.59
MW-8	10/25/2019	280.68	12.74	267.94
MW-9	8/21/2008	285.11	32.24	252.87
MW-9	11/5/2010	285.11	31.98	253.13
MW-9	2/11/2011	285.11	30.93	254.18
MW-9	5/30/2011	285.11	29.76	255.35
MW-9	7/19/2011	285.11	30.12	254.99
MW-9	10/17/2011	285.11	31.04	254.07
MW-9	4/2/2012	285.11	31.05	254.06
MW-9	10/21/2014	284.97	31.68	253.29
MW-9	12/9/2015	284.97	32.06	252.91
MW-9	12/13/2016	284.97	31.24	253.73
MW-9	3/13/2017	284.97	30.20	254.77
MW-9	7/17/2017	284.97	29.59	255.38
MW-9	10/20/2017	284.97	30.75	254.22
MW-9	1/24/2018	284.97	30.84	254.13
MW-9	4/17/2018	284.97	30.43	254.54
MW-9	7/18/2018	284.97	30.60	254.37
MW-9	10/16/2018	284.97	31.40	253.57
MW-9	10/25/2019	284.97	32.22	252.75
MW-9	12/7/2021	284.97	32.11	252.86
MW-9	6/20/2024	284.97	31.44	253.53

**Table 3**  
**Historical Summary of Groundwater Elevations**  
**Manhattan Village Shopping Center and Harris Properties**  
**Normandy Park, Washington**  
**Farallon PN: 578-002**

<b>Location</b>	<b>Monitoring Date</b>	<b>Top of Casing Elevation<sup>1,2,3</sup> (feet NAVD88)</b>	<b>Depth to Water<sup>4</sup> (feet below well casing)</b>	<b>Water Level Elevation<sup>3</sup> (feet NAVD88)</b>
MW-10	2/11/2011	306.70	34.04	272.66
MW-10	5/30/2011	306.70	32.69	274.01
MW-10	7/19/2011	306.70	33.05	273.65
MW-10	10/17/2011	306.70	34.13	272.57
MW-10	4/2/2012	306.70	34.31	272.39
MW-10	5/28/2013	306.91	34.03	272.88
MW-10	10/21/2014	306.71	34.81	271.90
MW-10	12/9/2015	306.71	35.22	271.49
MW-10	12/13/2016	306.71	34.41	272.30
MW-10	3/13/2017	306.71	33.15	273.56
MW-10	7/17/2017	306.71	32.34	274.37
MW-10	10/20/2017	306.71	33.82	272.89
MW-10	1/24/2018	306.71	33.82	272.89
MW-10	4/17/2018	306.71	33.30	273.41
MW-10	7/18/2018	306.71	33.55	273.16
MW-10	10/15/2018	306.71	34.66	272.05
MW-10	5/21/2019	306.71	34.62	272.09
MW-10	10/24/2019	306.71	35.62	271.09
MW-10	12/7/2021	306.71	35.32	271.39
MW-10	6/20/2024	306.71	34.65	272.06
MW-11	2/11/2011	307.63	35.01	272.62
MW-11	5/30/2011	307.63	33.63	274.00
MW-11	7/19/2011	307.63	33.97	273.66
MW-11	10/17/2011	307.63	35.05	272.58
MW-11	4/2/2012	307.63	35.29	272.34
MW-11	5/28/2013	307.85	34.98	272.87
MW-11	10/21/2014	307.62	35.78	271.84
MW-11	12/9/2015	307.62	36.16	271.46
MW-11	12/13/2016	307.62	35.33	272.29
MW-11	3/13/2017	307.62	34.11	273.51
MW-11	7/17/2017	307.62	33.25	274.37
MW-11	10/20/2017	307.62	34.74	272.88
MW-11	1/24/2018	307.62	34.77	272.85
MW-11	4/17/2018	307.62	34.21	273.41
MW-11	7/18/2018	307.62	34.45	273.17
MW-11	10/19/2018	307.62	35.61	272.01
MW-11	5/21/2019	307.62	35.55	272.07
MW-11	10/24/2019	307.62	36.53	271.09
MW-11	12/7/2021	307.62	36.27	271.35
MW-11	6/20/2024	307.62	35.61	272.01

**Table 3**  
**Historical Summary of Groundwater Elevations**  
**Manhattan Village Shopping Center and Harris Properties**  
**Normandy Park, Washington**  
**Farallon PN: 578-002**

<b>Location</b>	<b>Monitoring Date</b>	<b>Top of Casing Elevation<sup>1,2,3</sup> (feet NAVD88)</b>	<b>Depth to Water<sup>4</sup> (feet below well casing)</b>	<b>Water Level Elevation<sup>3</sup> (feet NAVD88)</b>
MW-12	4/2/2012	312.92	39.69	273.23
MW-12	5/28/2013	312.95	39.40	273.55
MW-12	10/21/2014	312.80	40.20	272.60
MW-12	12/9/2015	312.80	40.59	272.21
MW-12	12/13/2016	312.80	39.70	273.10
MW-12	3/13/2017	312.80	38.39	274.41
MW-12	7/17/2017	312.80	37.47	275.33
MW-12	10/20/2017	312.80	39.01	273.79
MW-12	1/24/2018	312.80	39.01	273.79
MW-12	4/17/2018	312.80	38.49	274.31
MW-12	7/18/2018	312.80	38.75	274.05
MW-12	10/15/2018	312.80	39.94	272.86
MW-12	10/24/2019	312.80	40.96	271.84
MW-13	4/2/2012	308.88	36.04	272.84
MW-13	5/28/2013	308.90	35.82	273.08
MW-13	10/21/2014	308.75	36.66	272.09
MW-13	12/9/2015	308.75	37.00	271.75
MW-13	12/13/2016	308.75	36.13	272.62
MW-13	3/13/2017	308.75	34.78	273.97
MW-13	7/17/2017	308.75	33.99	274.76
MW-13	10/20/2017	308.75	35.45	273.30
MW-13	1/24/2018	308.75	35.45	273.30
MW-13	4/17/2018	308.75	34.98	273.77
MW-13	7/18/2018	308.75	35.24	273.51
MW-13	10/15/2018	308.75	36.40	272.35
MW-13	10/24/2019	308.75	38.40	270.35
MW-14	4/2/2012	303.78	31.84	271.94
MW-14	5/28/2013	303.82	31.57	272.25
MW-14	10/21/2014	303.82	32.34	271.48
MW-14	12/11/2015	303.82	32.65	271.17
MW-14	12/13/2016	303.82	31.90	271.92
MW-14	3/13/2017	303.82	30.73	273.09
MW-14	7/17/2017	303.82	29.94	273.88
MW-14	10/20/2017	303.82	31.36	272.46
MW-14	1/24/2018	303.82	31.33	272.49
MW-14	4/17/2018	303.82	30.84	272.98
MW-14	10/15/2018	303.82	32.14	271.68
MW-14	10/24/2019	303.82	33.08	270.74

**Table 3**  
**Historical Summary of Groundwater Elevations**  
**Manhattan Village Shopping Center and Harris Properties**  
**Normandy Park, Washington**  
**Farallon PN: 578-002**

<b>Location</b>	<b>Monitoring Date</b>	<b>Top of Casing Elevation<sup>1,2,3</sup> (feet NAVD88)</b>	<b>Depth to Water<sup>4</sup> (feet below well casing)</b>	<b>Water Level Elevation<sup>3</sup> (feet NAVD88)</b>
MW-15	4/2/2012	312.40	39.92	272.48
MW-15	5/28/2013	312.44	39.55	272.89
MW-15	4/14/2014	312.44	39.97	272.47
MW-15	10/21/2014	312.44	40.31	272.13
MW-15	12/9/2015	312.44	40.77	271.67
MW-15	12/13/2016	312.44	39.90	272.54
MW-15	3/13/2017	312.44	38.72	273.72
MW-15	7/17/2017	312.44	37.77	274.67
MW-15	10/20/2017	312.44	39.25	273.19
MW-15	1/24/2018	312.44	39.31	273.13
MW-15	4/17/2018	312.44	38.75	273.69
MW-15	7/18/2018	312.44	38.99	273.45
MW-15	10/15/2018	312.44	40.08	272.36
MW-15	10/24/2019	312.44	41.05	271.39
MW-16	5/28/2013	310.37	37.78	272.59
MW-16	10/21/2014	310.37	38.52	271.85
MW-16	12/9/2015	310.37	38.96	271.41
MW-16	12/13/2016	310.37	38.12	272.25
MW-16	3/13/2017	310.37	36.92	273.45
MW-16	7/17/2017	310.37	36.04	274.33
MW-16	10/20/2017	310.37	37.50	272.87
MW-16	1/24/2018	310.37	37.53	272.84
MW-16	4/17/2018	310.37	36.99	273.38
MW-16	7/18/2018	310.37	37.20	273.17
MW-16	10/15/2018	310.37	38.31	272.06
MW-16	10/24/2019	310.37	39.20	271.17
MW-17	3/6/2019	303.00	32.33	270.67
MW-17	10/24/2019	303.01	33.10	269.91
MW-17	6/3/2020	303.01	31.88	271.13
MW-17	12/10/2021	303.01	32.78	270.23
MW-17	6/20/2024	303.01	32.22	270.79
MW-18	3/6/2019	305.26	34.55	270.71
MW-18	10/24/2019	305.26	35.25	270.01
MW-18	12/10/2021	305.26	35.01	270.25
MW-18	6/20/2024	305.26	34.41	270.85
MW-19	10/24/2019	305.35	35.09	270.26
MW-19	12/4/2019	305.35	35.36	269.99
MW-20	10/24/2019	305.51	35.22	270.29
MW-20	12/4/2019	305.51	35.49	270.02
MW-20	6/3/2020	305.51	34.02	271.49
MW-20	12/8/2021	305.51	34.98	270.53
MW-20	6/20/2024	305.51	34.31	271.20

**Table 3**  
**Historical Summary of Groundwater Elevations**  
**Manhattan Village Shopping Center and Harris Properties**  
**Normandy Park, Washington**  
**Farallon PN: 578-002**

<b>Location</b>	<b>Monitoring Date</b>	<b>Top of Casing Elevation<sup>1,2,3</sup> (feet NAVD88)</b>	<b>Depth to Water<sup>4</sup> (feet below well casing)</b>	<b>Water Level Elevation<sup>3</sup> (feet NAVD88)</b>
DC-1	11/14/2000	312.46	40.29	272.17
DC-1	3/6/2001	312.46	41.11	271.35
DC-1	6/20/2001	312.46	41.46	271.00
DC-1	9/17/2001	312.46	41.78	270.68
DC-1	12/20/2001	312.46	41.43	271.03
DC-1	3/13/2002	312.46	39.75	272.71
DC-1	9/17/2002	312.46	39.75	272.71
DC-1	12/10/2002	312.46	40.69	271.77
DC-1	3/31/2003	312.46	40.33	272.13
DC-1	9/3/2003	312.46	40.69	271.77
DC-1	3/16/2004	312.46	39.77	272.69
DC-1	9/7/2004	312.46	40.57	271.89
DC-1	2/9/2005	312.46	41.31	271.15
DC-1	4/24/2007	312.46	38.29	274.17
DC-1	8/21/2008	312.72	40.93	271.79
DC-1	11/5/2010	312.72	40.64	272.08
DC-1	2/11/2011	312.72	39.37	273.35
DC-1	5/30/2011	312.72	37.91	274.81
DC-1	7/19/2011	312.72	38.21	274.51
DC-1	10/17/2011	312.72	39.37	273.35
DC-1	4/2/2012	312.72	39.72	273.00
DC-1	5/28/2013	312.82	39.30	273.52
DC-1	10/21/2014	312.82	40.05	272.77
DC-1	12/9/2015	312.82	40.51	272.31
DC-1	12/13/2016	312.82	39.63	273.19
DC-1	3/13/2017	312.82	38.46	274.36
DC-1	7/17/2017	312.82	37.40	275.42
DC-1	10/20/2017	312.82	39.26	273.56
DC-1	1/24/2018	312.82	39.02	273.80
DC-1	4/17/2018	312.82	38.43	274.39
DC-1	10/15/2018	312.82	39.80	273.02
DC-1	10/24/2019	312.82	40.84	271.98

**Table 3**  
**Historical Summary of Groundwater Elevations**  
**Manhattan Village Shopping Center and Harris Properties**  
**Normandy Park, Washington**  
**Farallon PN: 578-002**

<b>Location</b>	<b>Monitoring Date</b>	<b>Top of Casing Elevation<sup>1,2,3</sup> (feet NAVD88)</b>	<b>Depth to Water<sup>4</sup> (feet below well casing)</b>	<b>Water Level Elevation<sup>3</sup> (feet NAVD88)</b>
DC-2	2/3/1999	312.80	39.04	273.76
DC-2	4/16/1999	312.80	36.90	275.90
DC-2	12/8/1999	312.80	39.88	272.92
DC-2	4/26/2000	312.80	39.11	273.69
DC-2	8/3/2000	312.80	39.85	272.95
DC-2	11/14/2000	312.80	41.04	271.76
DC-2	3/6/2001	312.80	41.82	270.98
DC-2	6/20/2001	312.80	42.18	270.62
DC-2	9/17/2001	312.80	42.50	270.30
DC-2	12/20/2001	312.80	42.12	270.68
DC-2	3/13/2002	312.80	40.45	272.35
DC-2	6/13/2002	312.80	39.64	273.16
DC-2	9/17/2002	312.80	40.50	272.30
DC-2	12/10/2002	312.80	41.42	271.38
DC-2	3/31/2003	312.80	41.03	271.77
DC-2	9/3/2003	312.80	41.41	271.39
DC-2	3/16/2004	312.80	40.51	272.29
DC-2	9/7/2004	312.80	41.30	271.50
DC-2	2/9/2005	312.80	41.99	270.81
DC-2	4/24/2007	312.80	39.03	273.77
DC-2	8/21/2008	313.04	41.65	271.39
DC-2	11/5/2010	313.04	41.34	271.70
DC-2	2/11/2011	313.04	40.08	272.96
DC-2	5/30/2011	313.04	38.67	274.37
DC-2	7/19/2011	313.04	38.98	274.06
DC-2	10/17/2011	313.04	40.08	272.96
DC-2	4/2/2012	313.04	40.41	272.63
DC-2	10/21/2014	312.92	40.78	272.14
DC-2	12/9/2015	312.92	41.22	271.70
DC-2	12/13/2016	312.92	40.36	272.56
DC-2	3/13/2017	312.92	39.19	273.73
DC-2	7/17/2017	312.92	38.20	274.72
DC-2	10/20/2017	312.92	39.71	273.21
DC-2	1/24/2018	312.92	39.76	273.16
DC-2	4/17/2018	312.92	39.20	273.72
DC-2	7/18/2018	312.92	39.42	273.50
DC-2	10/15/2018	312.92	40.53	272.39
DC-2	10/24/2019	312.92	41.53	271.39

**Table 3**  
**Historical Summary of Groundwater Elevations**  
**Manhattan Village Shopping Center and Harris Properties**  
**Normandy Park, Washington**  
**Farallon PN: 578-002**

<b>Location</b>	<b>Monitoring Date</b>	<b>Top of Casing Elevation<sup>1,2,3</sup> (feet NAVD88)</b>	<b>Depth to Water<sup>4</sup> (feet below well casing)</b>	<b>Water Level Elevation<sup>3</sup> (feet NAVD88)</b>
DC-3	10/21/1998	312.98	39.68	273.30
DC-3	2/3/1999	312.98	39.22	273.76
DC-3	4/16/1999	312.98	37.13	275.85
DC-3	12/8/1999	312.98	40.10	272.88
DC-3	4/26/2000	312.98	39.33	273.65
DC-3	8/3/2000	312.98	40.08	272.90
DC-3	11/14/2000	312.98	41.27	271.71
DC-3	3/6/2001	312.98	42.05	270.93
DC-3	6/20/2001	312.98	42.37	270.61
DC-3	9/17/2001	312.98	42.73	270.25
DC-3	12/20/2001	312.98	42.30	270.68
DC-3	3/13/2002	312.98	40.66	272.32
DC-3	6/13/2002	312.98	39.87	273.11
DC-3	9/17/2002	312.98	40.75	272.23
DC-3	12/10/2002	312.98	41.65	271.33
DC-3	3/31/2003	312.98	41.25	271.73
DC-3	9/3/2003	312.98	41.65	271.33
DC-3	3/16/2004	312.98	40.71	272.27
DC-3	9/7/2004	312.98	41.54	271.44
DC-3	2/9/2005	312.98	42.21	270.77
DC-3	4/24/2007	312.98	39.26	273.72
DC-3	8/21/2008	313.23	41.89	271.34
DC-3	11/5/2010	313.23	41.58	271.65
DC-3	2/11/2011	313.23	40.30	272.93
DC-3	5/30/2011	313.23	38.89	274.34
DC-3	7/19/2011	313.23	39.22	274.01
DC-3	10/17/2011	313.23	40.34	272.89
DC-3	4/2/2012	313.23	40.62	272.61
DC-3	10/21/2014	313.11	41.07	272.04
DC-3	12/9/2015	313.11	41.47	271.64
DC-3	12/13/2016	313.11	40.59	272.52
DC-3	3/13/2017	313.11	39.39	273.72
DC-3	7/17/2017	313.11	38.44	274.67
DC-3	10/20/2017	313.11	39.94	273.17
DC-3	1/24/2018	313.11	39.98	273.13
DC-3	4/17/2018	313.11	39.47	273.64
DC-3	7/18/2018	313.11	39.67	273.44
DC-3	10/15/2018	313.11	40.80	272.31
DC-3	10/24/2019	313.11	41.78	271.33

**Table 3**  
**Historical Summary of Groundwater Elevations**  
**Manhattan Village Shopping Center and Harris Properties**  
**Normandy Park, Washington**  
**Farallon PN: 578-002**

<b>Location</b>	<b>Monitoring Date</b>	<b>Top of Casing Elevation<sup>1,2,3</sup> (feet NAVD88)</b>	<b>Depth to Water<sup>4</sup> (feet below well casing)</b>	<b>Water Level Elevation<sup>3</sup> (feet NAVD88)</b>
DC-4	10/21/1998	312.20	39.96	272.24
DC-4	2/3/1999	312.20	38.37	273.83
DC-4	4/16/1999	312.20	36.34	275.86
DC-4	12/8/1999	312.20	39.32	272.88
DC-4	4/26/2000	312.20	38.55	273.65
DC-4	8/3/2000	312.20	39.33	272.87
DC-4	11/14/2000	312.20	40.52	271.68
DC-4	3/6/2001	312.20	41.29	270.91
DC-4	6/20/2001	312.20	41.60	270.60
DC-4	9/17/2001	312.20	41.89	270.31
DC-4	12/20/2001	312.20	41.49	270.71
DC-4	3/13/2002	312.20	39.86	272.34
DC-4	6/13/2002	312.20	39.11	273.09
DC-4	9/17/2002	312.20	40.00	272.20
DC-4	12/10/2002	312.20	40.92	271.28
DC-4	3/31/2003	312.20	40.44	271.76
DC-4	9/3/2003	312.20	40.88	271.32
DC-4	3/16/2004	312.20	39.94	272.26
DC-4	9/7/2004	312.20	40.81	271.39
DC-4	2/9/2005	312.20	41.42	270.78
DC-4	4/24/2007	312.20	38.50	273.70
DC-4	8/21/2008	312.12	41.13	270.99
DC-4	11/5/2010	312.12	40.81	271.31
DC-4	2/11/2011	312.12	39.51	272.61
DC-4	5/30/2011	312.12	38.13	273.99
DC-4	7/19/2011	312.12	38.48	273.64
DC-4	10/17/2011	312.12	39.57	272.55
DC-4	4/2/2012	312.12	38.82	273.30
DC-4	5/28/2013	312.56	39.50	273.06
DC-4	10/21/2014	312.35	40.34	272.01
DC-4	12/9/2015	312.35	40.34	272.01
DC-4	12/13/2016	312.35	39.84	272.51
DC-4	3/13/2017	312.35	38.59	273.76
DC-4	7/17/2017	312.35	37.70	274.65
DC-4	10/20/2017	312.35	39.50	272.85
DC-4	1/24/2018	312.35	39.21	273.14
DC-4	4/18/2018	312.35	38.61	273.74
DC-4	7/18/2018	312.35	38.95	273.40
DC-4	10/15/2018	312.35	40.16	272.19
DC-4	10/24/2019	312.35	41.05	271.30
DC-4	12/7/2021	312.35	40.76	271.59
DC-4	6/20/2024	312.35	40.14	272.21

**Table 3**  
**Historical Summary of Groundwater Elevations**  
**Manhattan Village Shopping Center and Harris Properties**  
**Normandy Park, Washington**  
**Farallon PN: 578-002**

<b>Location</b>	<b>Monitoring Date</b>	<b>Top of Casing Elevation<sup>1,2,3</sup> (feet NAVD88)</b>	<b>Depth to Water<sup>4</sup> (feet below well casing)</b>	<b>Water Level Elevation<sup>3</sup> (feet NAVD88)</b>
DC-5	2/3/1999	305.86	32.48	273.38
DC-5	4/16/1999	305.86	30.46	275.40
DC-5	4/11/2006	305.86	33.74	272.12
DC-5	4/24/2007	306.10	32.56	273.54
DC-5	8/21/2008	306.10	35.15	270.95
DC-5	11/5/2010	306.10	34.86	271.24
DC-5	2/11/2011	306.10	33.59	272.51
DC-5	5/30/2011	306.10	32.23	273.87
DC-5	7/19/2011	306.10	32.58	273.52
DC-5	10/17/2011	306.10	33.65	272.45
DC-5	4/2/2012	306.10	33.86	272.24
DC-5	5/28/2013	306.25	33.60	272.65
DC-5	10/15/2018	306.25	34.15	272.10
DC-6	2/3/1999	308.46	35.03	273.43
DC-6	4/16/1999	308.46	32.92	275.54

**Table 3**  
**Historical Summary of Groundwater Elevations**  
**Manhattan Village Shopping Center and Harris Properties**  
**Normandy Park, Washington**  
**Farallon PN: 578-002**

<b>Location</b>	<b>Monitoring Date</b>	<b>Top of Casing Elevation<sup>1,2,3</sup> (feet NAVD88)</b>	<b>Depth to Water<sup>4</sup> (feet below well casing)</b>	<b>Water Level Elevation<sup>3</sup> (feet NAVD88)</b>
DC-7	2/3/1999	302.50	29.89	272.61
DC-7	4/16/1999	302.50	28.05	274.45
DC-7	12/8/1999	302.50	30.76	271.74
DC-7	4/26/2000	302.50	30.12	272.38
DC-7	8/3/2000	302.50	30.84	271.66
DC-7	11/14/2000	302.50	31.90	270.60
DC-7	3/6/2001	302.50	32.60	269.90
DC-7	6/20/2001	302.50	32.91	269.59
DC-7	9/17/2001	302.50	33.25	269.25
DC-7	12/20/2001	302.50	32.75	269.75
DC-7	3/13/2002	302.50	31.22	271.28
DC-7	6/13/2002	302.50	30.57	271.93
DC-7	9/17/2002	302.50	31.44	271.06
DC-7	12/10/2002	302.50	32.27	270.23
DC-7	3/31/2003	302.50	31.78	270.72
DC-7	9/3/2003	302.50	32.26	270.24
DC-7	2/9/2005	302.50	32.67	269.83
DC-7	4/11/2006	302.50	31.05	271.45
DC-7	10/26/2006	302.50	32.58	269.92
DC-7	4/24/2007	302.50	29.96	272.54
DC-7	8/21/2008	302.78	32.48	270.30
DC-7	11/5/2010	302.78	32.15	270.63
DC-7	2/11/2011	302.78	30.91	271.87
DC-7	5/30/2011	302.78	29.68	273.10
DC-7	7/19/2011	302.78	30.03	272.75
DC-7	10/17/2011	302.78	31.04	271.74
DC-7	4/2/2012	302.78	31.12	271.66
DC-7	5/28/2013	302.88	30.94	271.94
DC-7	10/21/2014	302.61	31.71	270.90
DC-7	12/16/2015	302.61	31.79	270.82
DC-7	12/13/2016	302.61	31.19	271.42
DC-7	3/13/2017	302.61	30.03	272.58
DC-7	7/17/2017	302.61	29.37	273.24
DC-7	10/20/2017	302.61	30.51	272.10
DC-7	1/24/2018	302.61	30.69	271.92
DC-7	4/17/2018	302.61	30.19	272.42
DC-7	7/18/2018	302.61	30.48	272.13
DC-7	10/15/2018	302.61	31.52	271.09
DC-7	10/24/2019	302.61	32.42	270.19
DC-7	5/11/2021	302.61	31.15	271.46
DC-7	12/8/2021	302.61	32.07	270.54
DC-7	6/20/2024	302.61	31.53	271.08

**Table 3**  
**Historical Summary of Groundwater Elevations**  
**Manhattan Village Shopping Center and Harris Properties**  
**Normandy Park, Washington**  
**Farallon PN: 578-002**

<b>Location</b>	<b>Monitoring Date</b>	<b>Top of Casing Elevation<sup>1,2,3</sup> (feet NAVD88)</b>	<b>Depth to Water<sup>4</sup> (feet below well casing)</b>	<b>Water Level Elevation<sup>3</sup> (feet NAVD88)</b>
DC-8	2/3/1999	306.09	33.45	272.64
DC-8	4/16/1999	306.09	31.43	274.66
DC-8	12/8/1999	306.09	34.27	271.82
DC-8	4/26/2000	306.09	33.55	272.54
DC-8	8/3/2000	306.09	34.26	271.83
DC-8	11/14/2000	306.09	35.37	270.72
DC-8	3/6/2001	306.09	36.11	269.98
DC-8	6/20/2001	306.09	36.45	269.64
DC-8	9/17/2001	306.09	36.75	269.34
DC-8	12/20/2001	306.09	36.40	269.69
DC-8	3/13/2002	306.09	34.82	271.27
DC-8	6/13/2002	306.09	34.05	272.04
DC-8	9/17/2002	306.09	34.85	271.24
DC-8	12/10/2002	306.09	35.74	270.35
DC-8	3/31/2003	306.09	35.71	270.38
DC-8	9/3/2003	306.09	35.73	270.36
DC-8	2/9/2005	306.09	36.26	269.83
DC-8	4/11/2006	306.09	34.60	271.49
DC-8	10/26/2006	306.09	36.00	270.09
DC-8	4/24/2007	306.11	33.47	272.64
DC-8	11/5/2010	306.38	35.69	270.69
DC-8	2/11/2011	306.38	34.49	271.89
DC-8	5/30/2011	306.38	33.15	273.23
DC-8	7/19/2011	306.38	33.46	272.92
DC-8	10/17/2011	306.38	34.51	271.87
DC-8	4/2/2012	306.38	34.77	271.61
DC-8	5/28/2013	306.46	34.45	272.01
DC-8	10/21/2014	306.46	35.17	271.29
DC-8	12/9/2015	306.23	35.58	270.65
DC-8	12/13/2016	306.23	34.71	271.52
DC-8	3/13/2017	306.23	33.65	272.58
DC-8	7/17/2017	306.23	32.75	273.48
DC-8	10/20/2017	306.23	34.14	272.09
DC-8	1/24/2018	306.23	34.21	272.02
DC-8	4/17/2018	306.23	33.64	272.59
DC-8	7/18/2018	306.23	33.92	272.31
DC-8	10/15/2018	306.23	34.94	271.29
DC-8	10/29/2019	306.23	36.03	270.20
DC-8	12/8/2021	306.23	35.69	270.54
DC-8	6/20/2024	306.23	35.00	271.23
DC-9A	4/16/1999	307.76	32.19	275.57
DC-9A	12/8/1999	307.76	35.03	272.73
DC-9A	4/26/2000	307.76	34.35	273.41
DC-9A	8/3/2000	307.76	35.11	272.65
DC-9A	11/14/2000	307.76	36.30	271.46
DC-9A	4/11/2006	307.76	35.45	272.31
DC-9A	8/8/2006	307.76	36.25	271.51
DC-9A	11/2/2006	307.76	36.90	270.86
DC-9A	4/24/2007	307.75	34.30	273.45
DC-9A	8/21/2008	308.02	36.92	271.10

**Table 3**  
**Historical Summary of Groundwater Elevations**  
**Manhattan Village Shopping Center and Harris Properties**  
**Normandy Park, Washington**  
**Farallon PN: 578-002**

<b>Location</b>	<b>Monitoring Date</b>	<b>Top of Casing Elevation<sup>1,2,3</sup> (feet NAVD88)</b>	<b>Depth to Water<sup>4</sup> (feet below well casing)</b>	<b>Water Level Elevation<sup>3</sup> (feet NAVD88)</b>
DC-9B	4/16/1999	307.91	32.34	275.57
DC-9B	3/6/2001	307.91	37.22	270.69
DC-9B	6/20/2001	307.91	37.52	270.39
DC-9B	9/17/2001	307.91	37.87	270.04
DC-9B	12/20/2001	307.91	37.45	270.46
DC-9B	4/11/2006	307.91	35.65	272.26
DC-9B	8/8/2006	307.91	36.40	271.51
DC-9B	10/26/2006	307.91	37.15	270.76
DC-9B	4/24/2007	307.94	34.45	273.49
DC-9B	8/21/2008	308.16	37.05	271.11
DC-10A	4/16/1999	307.59	31.85	275.74
DC-10A	12/8/1999	307.59	34.82	272.77
DC-10A	4/26/2000	307.59	34.05	273.54
DC-10A	8/3/2000	307.59	34.86	272.73
DC-10A	11/14/2000	307.59	36.05	271.54
DC-10A	2/11/2011	307.72	34.99	272.73
DC-10A	5/30/2011	307.72	33.65	274.07
DC-10A	7/19/2011	307.72	34.07	273.65
DC-10A	10/17/2011	307.72	35.12	272.60
DC-10A	4/2/2012	307.72	35.23	272.49
DC-10A	5/28/2013	307.93	35.04	272.89
DC-10A	10/21/2014	307.73	35.83	271.90
DC-10A	12/9/2015	307.73	36.19	271.54
DC-10A	12/13/2016	307.73	35.35	272.38
DC-10A	3/13/2017	307.73	34.09	273.64
DC-10A	7/17/2017	307.73	33.29	274.44
DC-10A	10/20/2017	307.73	34.79	272.94
DC-10A	1/24/2018	307.73	34.72	273.01
DC-10A	4/17/2018	307.73	34.23	273.50
DC-10A	4/17/2018	307.73	34.23	273.50
DC-10A	7/18/2018	307.73	34.50	273.23
DC-10A	10/15/2018	307.73	36.12	271.61
DC-10A	10/24/2019	307.73	36.48	271.25
DC-10A	12/7/2021	307.73	36.26	271.47
DC-10A	6/20/2024	307.73	35.61	272.12
DC-10B	4/16/1999	307.66	31.92	275.74
DC-10B	3/6/2001	307.66	36.89	270.77
DC-10B	6/20/2001	307.66	37.46	270.20
DC-10B	9/17/2001	307.66	37.55	270.11
DC-10B	12/20/2001	307.66	37.03	270.63
DC-10B	2/9/2005	307.66	36.98	270.68
DC-10B	4/11/2006	307.66	35.24	272.42
DC-10B	4/24/2007	307.66	34.08	273.58
DC-10B	8/21/2008	307.89	36.74	271.15
DC-10B	11/5/2010	307.89	36.40	271.49
DC-10B	2/11/2011	307.89	35.06	272.83
DC-10B	5/30/2011	307.89	33.72	274.17
DC-10B	7/19/2011	307.89	34.09	273.80
DC-10B	10/17/2011	307.89	35.15	272.74
DC-10B	4/2/2012	307.89	35.34	272.55
DC-10B	12/13/2016	307.89	35.45	272.44
DC-10B	10/15/2018	307.89	35.70	272.19

**Table 3**  
**Historical Summary of Groundwater Elevations**  
**Manhattan Village Shopping Center and Harris Properties**  
**Normandy Park, Washington**  
**Farallon PN: 578-002**

<b>Location</b>	<b>Monitoring Date</b>	<b>Top of Casing Elevation<sup>1,2,3</sup> (feet NAVD88)</b>	<b>Depth to Water<sup>4</sup> (feet below well casing)</b>	<b>Water Level Elevation<sup>3</sup> (feet NAVD88)</b>
DC-11	4/24/2007	311.02	37.29	273.73
DC-11	11/5/2010	311.02	39.59	271.43
DC-11	2/11/2011	311.02	38.36	272.66
DC-11	5/30/2011	311.02	36.91	274.11
DC-11	4/2/2012	311.02	38.67	272.35
DC-11	4/14/2014	311.25	38.73	272.52
DC-11	10/21/2014	311.25	39.00	272.25
DC-11	12/9/2015	311.25	39.48	271.77
DC-11	12/13/2016	311.25	38.56	272.69
DC-11	3/13/2017	311.25	37.49	273.76
DC-11	7/17/2017	311.25	36.43	274.82
DC-11	10/20/2017	311.25	37.66	273.59
DC-11	1/24/2018	311.25	38.00	273.25
DC-11	4/17/2018	311.25	37.40	273.85
DC-11	7/18/2018	311.25	37.63	273.62
DC-11	10/15/2018	311.25	38.74	272.51
DC-11	10/24/2019	311.25	39.73	271.52
DC-12	4/24/2007	310.90	37.54	273.36
DC-12	8/21/2008	310.90	40.05	270.85
DC-12	11/5/2010	310.90	39.79	271.11
DC-12	2/11/2011	310.90	38.60	272.30
DC-12	5/30/2011	310.90	37.17	273.73
DC-12	7/19/2011	310.90	37.45	273.45
DC-12	10/17/2011	310.90	38.54	272.36
DC-12	4/2/2012	310.90	38.91	271.99
DC-12	5/28/2013	311.25	38.50	272.75
DC-12	4/14/2014	311.25	38.93	272.32
DC-12	10/27/2014	311.25	39.23	272.02
DC-12	12/9/2015	311.25	39.70	271.55
DC-12	12/13/2016	311.25	38.80	272.45
DC-12	3/13/2017	311.25	37.72	273.53
DC-12	7/17/2017	311.25	36.71	274.54
DC-12	10/20/2017	311.25	38.20	273.05
DC-12	1/24/2018	311.25	38.24	273.01
DC-12	4/17/2018	311.25	37.67	273.58
DC-12	7/19/2018	311.25	37.90	273.35
DC-12	10/15/2018	311.25	38.94	272.31
DC-12	10/25/2019	311.25	39.95	271.30

**Table 3**  
**Historical Summary of Groundwater Elevations**  
**Manhattan Village Shopping Center and Harris Properties**  
**Normandy Park, Washington**  
**Farallon PN: 578-002**

<b>Location</b>	<b>Monitoring Date</b>	<b>Top of Casing Elevation<sup>1,2,3</sup> (feet NAVD88)</b>	<b>Depth to Water<sup>4</sup> (feet below well casing)</b>	<b>Water Level Elevation<sup>3</sup> (feet NAVD88)</b>
DC-13	4/24/2007	310.85	36.64	274.21
DC-13	8/21/2008	310.85	39.13	271.72
DC-13	11/5/2010	310.85	38.88	271.97
DC-13	2/11/2011	310.85	37.68	273.17
DC-13	5/30/2011	310.85	36.28	274.57
DC-13	7/19/2011	310.85	36.57	274.28
DC-13	10/17/2011	310.85	37.65	273.20
DC-13	4/2/2012	310.85	38.01	272.84
DC-13	5/28/2013	310.20	37.61	272.59
DC-13	4/14/2014	310.20	38.02	272.18
DC-13	10/27/2014	310.20	38.37	271.83
DC-13	12/9/2015	310.20	38.37	271.83
DC-13	12/13/2016	310.20	37.89	272.31
DC-13	3/13/2017	310.20	36.82	273.38
DC-13	7/17/2017	310.20	37.82	272.38
DC-13	10/20/2017	310.20	37.26	272.94
DC-13	1/24/2018	310.20	37.33	272.87
DC-13	4/17/2018	310.20	36.77	273.43
DC-13	7/18/2018	310.20	36.97	273.23
DC-13	10/15/2018	310.20	38.06	272.14
DC-13	10/24/2019	310.20	39.05	271.15
DC-14	4/24/2007	308.60	36.15	272.45
DC-14	8/21/2008	308.60	38.59	270.01
DC-14	11/5/2010	308.60	38.34	270.26
DC-14	2/11/2011	308.60	37.18	271.42
DC-14	5/30/2011	308.60	35.83	272.77
DC-14	7/19/2011	308.60	36.12	272.48
DC-14	10/17/2011	308.60	37.14	271.46
DC-14	4/2/2012	308.60	37.49	271.11
DC-14	5/28/2013	308.94	37.10	271.84
DC-14	10/21/2014	308.94	37.77	271.17
DC-14	12/9/2015	308.94	38.23	270.71
DC-14	12/13/2016	308.94	37.40	271.54
DC-14	3/13/2017	308.94	36.38	272.56
DC-14	7/17/2017	308.94	35.40	273.54
DC-14	10/20/2017	308.94	36.78	272.16
DC-14	1/24/2018	308.94	36.84	272.10
DC-14	4/17/2018	308.94	36.31	272.63
DC-14	7/18/2018	308.94	36.51	272.43
DC-14	10/15/2018	308.94	Well Missing	Decomissioned 3/2019

**Table 3**  
**Historical Summary of Groundwater Elevations**  
**Manhattan Village Shopping Center and Harris Properties**  
**Normandy Park, Washington**  
**Farallon PN: 578-002**

<b>Location</b>	<b>Monitoring Date</b>	<b>Top of Casing Elevation<sup>1,2,3</sup> (feet NAVD88)</b>	<b>Depth to Water<sup>4</sup> (feet below well casing)</b>	<b>Water Level Elevation<sup>3</sup> (feet NAVD88)</b>
DC-15	4/24/2007	307.54	34.64	272.90
DC-15	11/5/2010	307.54	36.93	270.61
DC-15	2/11/2011	307.54	35.68	271.86
DC-15	5/30/2011	307.54	34.32	273.22
DC-15	7/19/2011	307.54	34.62	272.92
DC-15	10/17/2011	307.54	35.68	271.86
DC-15	4/2/2012	307.54	35.94	271.60
DC-15	5/28/2013	307.89	35.61	272.28
DC-15	4/14/2014	307.89	36.02	271.87
DC-15	10/21/2014	307.89	36.35	271.54
DC-15	12/9/2015	307.89	36.79	271.10
DC-15	12/13/2016	307.89	35.91	271.98
DC-15	3/13/2017	307.89	34.82	273.07
DC-15	7/17/2017	307.89	33.91	273.98
DC-15	10/20/2017	307.89	34.31	273.58
DC-15	1/24/2018	307.89	35.40	272.49
DC-15	4/17/2018	307.89	34.81	273.08
DC-15	7/18/2018	307.89	35.08	272.81
DC-15	10/16/2018	307.89	36.12	271.77
DC-15	10/24/2019	307.89	37.10	270.79
DC-15	12/8/2021	307.89	36.90	270.99
DC-15	6/20/2024	307.89	36.22	271.67
DC-16	4/24/2007	307.12	33.81	273.31
DC-16	8/21/2008	307.12	36.41	270.71
DC-16	11/5/2010	307.12	36.10	271.02
DC-16	2/11/2011	307.12	34.85	272.27
DC-16	5/30/2011	307.12	33.48	273.64
DC-16	7/19/2011	307.12	33.83	273.29
DC-16	10/17/2011	307.12	34.91	272.21
DC-16	4/2/2012	307.12	35.14	271.98
DC-16	12/13/2016	307.12	35.15	271.97
DC-16	3/13/2017	307.12	34.80	272.32
DC-16	10/15/2018	307.12	35.37	271.75
DC-17	4/24/2007	304.89	31.65	273.24
DC-17	5/28/2013	305.16	32.65	272.51
DC-17	10/21/2014	305.16	33.44	271.72
DC-17	12/16/2015	305.16	33.58	271.58
DC-17	3/13/2017	305.16	31.80	273.36
DC-17	7/17/2017	305.16	---	---
DC-17	10/20/2017	305.16	32.51	272.65
DC-17	1/24/2018	305.16	32.42	272.74
DC-17	4/17/2018	305.16	31.94	273.22
DC-17	7/18/2018	305.16	32.18	272.98
DC-17	10/15/2018	305.16	33.24	271.92
DC-17	5/21/2019	305.16	33.21	271.95
DC-17	10/24/2019	305.16	34.20	270.96
DC-17	12/8/2021	305.16	33.98	271.18

**Table 3**  
**Historical Summary of Groundwater Elevations**  
**Manhattan Village Shopping Center and Harris Properties**  
**Normandy Park, Washington**  
**Farallon PN: 578-002**

<b>Location</b>	<b>Monitoring Date</b>	<b>Top of Casing Elevation<sup>1,2,3</sup> (feet NAVD88)</b>	<b>Depth to Water<sup>4</sup> (feet below well casing)</b>	<b>Water Level Elevation<sup>3</sup> (feet NAVD88)</b>
DC-18	4/24/2007	309.37	36.10	273.27
DC-18	5/28/2013	309.64	37.05	272.59
DC-18	10/21/2014	309.51	37.81	271.70
DC-18	12/9/2015	309.51	38.26	271.25
DC-18	12/13/2016	309.51	37.35	272.16
DC-18	3/13/2017	309.51	36.26	273.25
DC-18	7/17/2017	309.51	35.28	274.23
DC-18	10/20/2017	309.51	36.73	272.78
DC-18	1/24/2018	309.51	36.81	272.70
DC-18	4/17/2018	309.51	36.24	273.27
DC-18	7/18/2018	309.51	36.46	273.05
DC-18	10/15/2018	309.51	37.54	271.97
DC-18	10/24/2019	309.51	38.52	270.99
DC-18	12/7/2021	309.51	38.36	271.15
DC-19	8/21/2008	313.53	42.02	271.51
DC-19	11/5/2010	313.53	41.75	271.78
DC-19	2/11/2011	313.53	40.52	273.01
DC-19	5/30/2011	313.53	39.06	274.47
DC-19	7/19/2011	313.53	39.36	274.17
DC-19	10/17/2011	313.53	40.47	273.06
DC-19	4/2/2012	313.53	40.85	272.68
DC-19	5/28/2013	313.62	40.40	273.22
DC-19	12/9/2015	313.62	41.66	271.96
DC-19	12/13/2016	313.62	40.73	272.89
DC-19	3/13/2017	313.62	39.65	273.97
DC-19	7/17/2017	313.62	38.57	275.05
DC-19	10/20/2017	313.62	40.07	273.55
DC-19	1/24/2018	313.62	40.16	273.46
DC-19	4/17/2018	313.62	39.57	274.05
DC-19	7/18/2018	313.62	39.78	273.84
DC-19	10/15/2018	313.62	40.90	272.72
DC-19	10/29/2019	313.62	42.03	271.59
DC-20	6/2/2008	---	39.46	---
DC-20	5/28/2013	310.92	38.42	272.50
DC-20	4/14/2014	310.92	38.86	272.06
DC-20	10/21/2014	310.92	39.12	271.80
DC-20	12/15/2015	310.92	39.44	271.48
DC-20	12/13/2016	310.92	38.69	272.23
DC-20	3/13/2017	310.92	37.65	273.27
DC-20	7/17/2017	310.92	36.64	274.28
DC-20	10/20/2017	310.92	38.08	272.84
DC-20	1/24/2018	310.92	38.17	272.75
DC-20	4/17/2018	310.92	37.59	273.33
DC-20	10/15/2018	310.92	38.87	272.05
DC-20	10/25/2019	310.92	39.85	271.07
DC-20	12/7/2021	310.92	39.71	271.21

**Table 3**  
**Historical Summary of Groundwater Elevations**  
**Manhattan Village Shopping Center and Harris Properties**  
**Normandy Park, Washington**  
**Farallon PN: 578-002**

<b>Location</b>	<b>Monitoring Date</b>	<b>Top of Casing Elevation<sup>1,2,3</sup> (feet NAVD88)</b>	<b>Depth to Water<sup>4</sup> (feet below well casing)</b>	<b>Water Level Elevation<sup>3</sup> (feet NAVD88)</b>
KMW-1	4/24/2007	311.21	38.15	273.06
KMW-1	8/21/2008	311.21	40.60	270.61
KMW-1	11/5/2010	311.21	40.37	270.84
KMW-1	2/11/2011	311.21	39.19	272.02
KMW-1	5/30/2011	311.21	37.79	273.42
KMW-1	7/19/2011	311.21	38.06	273.15
KMW-1	10/17/2011	311.21	39.13	272.08
KMW-1	4/2/2012	311.21	39.50	271.71
KMW-1	5/28/2013	311.59	39.08	272.51
KMW-1	10/21/2014	311.59	39.81	271.78
KMW-1	12/9/2015	311.59	40.29	271.30
KMW-1	12/13/2016	311.59	39.36	272.23
KMW-1	3/13/2017	311.59	38.34	273.25
KMW-1	7/17/2017	311.59	37.31	274.28
KMW-1	10/20/2017	311.59	38.85	272.74
KMW-1	1/24/2018	311.59	38.83	272.76
KMW-1	4/17/2018	311.59	38.27	273.32
KMW-1	7/18/2018	311.59	38.47	273.12
KMW-1	10/15/2018	311.59	39.55	272.04
KMW-1	10/24/2019	311.59	40.55	271.04
KMW-2	4/24/2007	306.90	33.33	273.57
KMW-2	8/21/2008	306.90	35.96	270.94
KMW-2	11/5/2010	306.90	34.59	272.31
KMW-2	2/11/2011	306.90	34.32	272.58
KMW-2	5/30/2011	306.90	32.96	273.94
KMW-2	7/19/2011	306.90	33.30	273.60
KMW-2	10/17/2011	306.90	34.39	272.51
KMW-2	4/2/2012	306.90	34.59	272.31
KMW-2	5/28/2013	307.25	34.30	272.95
KMW-2	10/21/2014	307.04	35.14	271.90
KMW-2	12/9/2015	307.04	35.51	271.53
KMW-2	12/13/2016	307.04	34.70	272.34
KMW-2	3/13/2017	307.04	33.42	273.62
KMW-2	7/17/2017	307.04	32.60	274.44
KMW-2	10/20/2017	307.04	34.02	273.02
KMW-2	1/24/2018	307.04	34.11	272.93
KMW-2	4/17/2018	307.04	33.56	273.48
KMW-2	7/18/2018	307.04	33.80	273.24
KMW-2	10/15/2018	307.04	34.92	272.12
KMW-2	10/24/2019	307.04	35.90	271.14
KMW-2	12/7/2021	307.04	35.61	271.43

**Table 3**  
**Historical Summary of Groundwater Elevations**  
**Manhattan Village Shopping Center and Harris Properties**  
**Normandy Park, Washington**  
**Farallon PN: 578-002**

<b>Location</b>	<b>Monitoring Date</b>	<b>Top of Casing Elevation<sup>1,2,3</sup> (feet NAVD88)</b>	<b>Depth to Water<sup>4</sup> (feet below well casing)</b>	<b>Water Level Elevation<sup>3</sup> (feet NAVD88)</b>
KMW-3	4/24/2007	296.92	24.51	272.41
KMW-3	8/21/2008	296.92	27.01	269.91
KMW-3	11/5/2010	296.92	26.37	270.55
KMW-3	5/30/2011	296.92	24.22	272.70
KMW-3	7/19/2011	296.92	24.61	272.31
KMW-3	10/17/2011	296.92	25.58	271.34
KMW-3	4/2/2012	296.92	25.59	271.33
KMW-3	10/21/2014	296.92	26.25	270.67
KMW-3	12/13/2016	296.92	25.69	271.23
KMW-3	3/13/2017	296.92	24.33	272.59
KMW-3	7/17/2017	296.92	23.99	272.93
KMW-3	10/20/2017	296.92	25.35	271.57
KMW-3	1/24/2018	296.92	25.16	271.76
KMW-3	4/17/2018	296.92	24.69	272.23
KMW-3	7/18/2018	296.92	25.04	271.88
KMW-3	10/15/2018	296.92	26.09	270.83
KMW-3	10/25/2019	296.99	26.96	270.03
KMW-3	12/9/2021	296.99	26.53	270.46
KMW-3	6/20/2024	296.99	26.05	270.94
KMW-4	4/24/2007	299.45	25.95	273.50
KMW-4	8/21/2008	299.45	28.62	270.83
KMW-4	11/5/2010	299.45	28.22	271.23
KMW-4	2/11/2011	299.45	26.87	272.58
KMW-4	5/30/2011	299.45	25.59	273.86
KMW-4	7/19/2011	299.45	25.99	273.46
KMW-4	10/17/2011	299.45	27.07	272.38
KMW-4	4/2/2012	299.45	27.10	272.35
KMW-4	10/21/2014	299.57	27.80	271.77
KMW-4	12/9/2015	299.57	28.08	271.49
KMW-4	12/13/2016	299.57	27.24	272.33
KMW-4	3/13/2017	299.57	25.90	273.67
KMW-4	7/17/2017	299.57	25.25	274.32
KMW-4	10/20/2017	299.57	27.26	272.31
KMW-4	1/24/2018	299.57	26.58	272.99
KMW-4	4/17/2018	299.57	26.13	273.44
KMW-4	7/18/2018	299.57	26.50	273.07
KMW-4	10/15/2018	299.57	27.60	271.97
KMW-4	10/25/2019	299.57	28.57	271.00

**Table 3**  
**Historical Summary of Groundwater Elevations**  
**Manhattan Village Shopping Center and Harris Properties**  
**Normandy Park, Washington**  
**Farallon PN: 578-002**

<b>Location</b>	<b>Monitoring Date</b>	<b>Top of Casing Elevation<sup>1,2,3</sup> (feet NAVD88)</b>	<b>Depth to Water<sup>4</sup> (feet below well casing)</b>	<b>Water Level Elevation<sup>3</sup> (feet NAVD88)</b>
KMW-5	4/24/2007	297.10	24.32	272.78
KMW-5	8/21/2008	297.10	26.85	270.25
KMW-5	11/5/2010	297.10	26.49	270.61
KMW-5	2/11/2011	297.10	25.21	271.89
KMW-5	5/30/2011	297.10	24.00	273.10
KMW-5	7/19/2011	297.10	24.41	272.69
KMW-5	10/17/2011	297.10	25.41	271.69
KMW-5	4/2/2012	297.10	25.37	271.73
KMW-5	5/28/2013	297.22	25.30	271.92
KMW-5	10/21/2014	297.22	26.09	271.13
KMW-5	12/9/2015	297.22	26.30	270.92
KMW-5	12/13/2016	297.22	25.52	271.70
KMW-5	3/13/2017	297.22	24.30	272.92
KMW-5	7/17/2017	297.22	24.75	272.47
KMW-5	10/20/2017	297.22	24.82	272.40
KMW-5	1/24/2018	297.22	24.95	272.27
KMW-5	4/17/2018	297.22	24.50	272.72
KMW-5	7/18/2018	297.22	24.87	272.35
KMW-5	10/31/2018	297.22	26.09	271.13
KMW-5	10/25/2019	297.22	27.15	270.07
KMW-5D	4/24/2007	296.94	24.19	272.75
KMW-5D	8/21/2008	296.94	26.72	270.22
KMW-5D	11/5/2010	296.94	26.35	270.59
KMW-5D	2/11/2011	296.94	25.10	271.84
KMW-5D	5/30/2011	296.94	23.89	273.05
KMW-5D	7/19/2011	296.94	24.28	272.66
KMW-5D	10/17/2011	296.94	25.28	271.66
KMW-5D	4/2/2012	296.94	25.19	271.75
KMW-5D	12/13/2016	296.94	25.40	271.54
KMW-5D	3/13/2017	296.94	25.19	271.75
KMW-5D	10/15/2018	296.94	25.79	271.15
KMW-6	4/24/2007	294.70	22.40	272.30
KMW-6	8/21/2008	294.70	24.90	269.80
KMW-6	11/5/2010	294.70	24.51	270.19
KMW-6	2/11/2011	294.70	23.26	271.44
KMW-6	5/30/2011	294.70	22.12	272.58
KMW-6	7/19/2011	294.70	22.52	272.18
KMW-6	10/17/2011	294.70	23.48	271.22
KMW-6	4/2/2012	294.70	23.39	271.31
KMW-6	10/21/2014	294.81	21.05	273.76
KMW-6	12/9/2015	294.81	24.31	270.50
KMW-6	12/13/2016	294.81	23.53	271.28
KMW-6	3/13/2017	294.81	22.34	272.47
KMW-6	7/17/2017	294.81	21.90	272.91
KMW-6	10/20/2017	294.81	23.31	271.50
KMW-6	1/24/2018	294.81	23.30	271.51
KMW-6	4/17/2018	294.81	22.54	272.27
KMW-6	7/18/2018	294.81	22.98	271.83
KMW-6	10/15/2018	294.81	23.98	270.83
KMW-6	10/28/2019	294.80	24.80	270.00

**Table 3**  
**Historical Summary of Groundwater Elevations**  
**Manhattan Village Shopping Center and Harris Properties**  
**Normandy Park, Washington**  
**Farallon PN: 578-002**

<b>Location</b>	<b>Monitoring Date</b>	<b>Top of Casing Elevation<sup>1,2,3</sup> (feet NAVD88)</b>	<b>Depth to Water<sup>4</sup> (feet below well casing)</b>	<b>Water Level Elevation<sup>3</sup> (feet NAVD88)</b>
KMW-7	4/24/2007	301.32	29.22	272.10
KMW-7	8/21/2008	301.32	31.65	269.67
KMW-7	11/5/2010	301.32	31.36	269.96
KMW-7	2/11/2011	301.32	30.14	271.18
KMW-7	5/30/2011	301.32	28.92	272.40
KMW-7	7/19/2011	301.32	29.27	272.05
KMW-7	10/17/2011	301.32	30.25	271.07
KMW-7	4/2/2012	301.32	30.35	270.97
KMW-7	10/21/2014	301.43	30.88	270.55
KMW-7	12/15/2015	301.43	31.03	270.40
KMW-7	12/13/2016	301.43	30.40	271.03
KMW-7	3/13/2017	301.43	28.98	272.45
KMW-7	7/17/2017	301.43	28.61	272.82
KMW-7	10/20/2017	301.43	30.19	271.24
KMW-7	1/24/2018	301.43	28.66	272.77
KMW-7	4/17/2018	301.43	29.28	272.15
KMW-7	7/18/2018	301.43	29.70	271.73
KMW-7	10/15/2018	301.43	30.87	270.56
KMW-7	10/29/2019	301.42	31.71	269.71
KMW-7	12/10/2021	301.42	31.25	270.17
KMW-8	4/24/2007	308.08	35.73	272.35
KMW-8	8/21/2008	308.08	38.14	269.94
KMW-8	11/5/2010	308.08	37.87	270.21
KMW-8	2/11/2011	308.08	36.72	271.36
KMW-8	5/30/2011	308.08	35.40	272.68
KMW-8	7/19/2011	308.08	35.68	272.40
KMW-8	10/17/2011	308.08	36.71	271.37
KMW-8	4/2/2012	308.08	37.02	271.06
KMW-8	10/21/2014	308.15	37.34	270.81
KMW-8	12/9/2015	308.15	37.76	270.39
KMW-8	12/13/2016	308.15	36.92	271.23
KMW-8	3/13/2017	308.15	35.94	272.21
KMW-8	7/17/2017	308.15	34.98	273.17
KMW-8	10/20/2017	308.15	36.35	271.80
KMW-8	1/24/2018	308.15	36.41	271.74
KMW-8	4/17/2018	308.15	35.87	272.28
KMW-8	7/18/2018	308.15	36.10	272.05
KMW-8	10/15/2018	308.15	37.12	271.03
KMW-8	10/28/2019	308.16	38.06	270.10
KMW-8	12/10/2021	308.16	37.85	270.31

**Table 3**  
**Historical Summary of Groundwater Elevations**  
**Manhattan Village Shopping Center and Harris Properties**  
**Normandy Park, Washington**  
**Farallon PN: 578-002**

<b>Location</b>	<b>Monitoring Date</b>	<b>Top of Casing Elevation<sup>1,2,3</sup> (feet NAVD88)</b>	<b>Depth to Water<sup>4</sup> (feet below well casing)</b>	<b>Water Level Elevation<sup>3</sup> (feet NAVD88)</b>
KMW-9	4/24/2007	310.18	36.49	273.69
KMW-9	11/5/2010	310.18	38.78	271.40
KMW-9	2/11/2011	310.18	37.51	272.67
KMW-9	5/30/2011	310.18	36.11	274.07
KMW-9	7/19/2011	310.18	36.49	273.69
KMW-9	10/17/2011	310.18	37.51	272.67
KMW-9	4/2/2012	310.18	37.84	272.34
KMW-9	4/14/2014	310.53	37.91	272.62
KMW-9	10/21/2014	310.33	38.24	272.09
KMW-9	12/9/2015	310.33	38.71	271.62
KMW-9	12/13/2016	310.33	37.79	272.54
KMW-9	3/13/2017	310.33	36.65	273.68
KMW-9	7/17/2017	310.33	35.66	274.67
KMW-9	10/20/2017	310.33	37.16	273.17
KMW-9	1/24/2018	310.33	37.22	273.11
KMW-9	4/17/2018	310.33	36.64	273.69
KMW-9	7/18/2018	310.33	36.87	273.46
KMW-9	10/15/2018	310.33	37.97	272.36
KMW-9	10/24/2019	310.33	39.00	271.33

**NOTES:**

--- denotes not measured or not applicable.

<sup>1</sup> Well monument types: flush grade monuments and above ground (AG) monuments.

<sup>2</sup> Top of casing elevations were surveyed by D.R. Strong Consulting Engineers, Inc. in February and May 2013, and by Lanktree Land Surveying, Inc. in July 2015.

<sup>3</sup> Elevations are reported relative to North American Vertical Datum of 1988 (NAVD88).

<sup>4</sup> Depth to water is measured from top of well casing.

**Table 4**  
**Historical Summary of Groundwater Analytical Results**  
**Manhattan Village Shopping Center and Harris Properties**  
**Normandy Park, Washington**  
**Farallon PN: 578-002**

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter) <sup>1</sup>									
			PCE	TCE	cis-1,2-Dichloroethene	1,2-Dichloropropane	Acetone	Benzene	Chloroform	p-Isopropyltoluene	sec-Butylbenzene	Toluene
<b>Shallow Monitoring Wells</b>												
MW-1	12/10/1999	MW-1	21.6	---	---	---	---	---	---	---	---	---
	7/25/2005	MW-1	15	---	---	---	---	---	---	---	---	---
	4/11/2006	MW-1	14	---	---	---	---	---	---	---	---	---
	10/26/2006	MW-1	11	---	---	---	---	---	---	---	---	---
	4/25/2007	MW-1	13	---	---	---	---	---	---	---	---	---
	---	---	Monitoring well cannot be located									
MW-2	12/10/1999	MW-2	16.7	---	---	---	---	---	---	---	---	---
	4/5/2012	MW-2	7.1	---	---	---	---	---	---	---	---	---
	5/30/2013	MW-2	2.4	---	---	---	---	---	---	---	---	---
	4/14/2014	MW-2	3.2	---	---	---	---	---	---	---	---	---
	10/24/2014	MW-2	1.4	---	---	---	---	---	---	---	---	---
	12/11/2015	MW-2	< 1.00	---	---	---	---	---	---	---	---	---
	3/13/2017	MW-2	6.02	---	---	---	---	---	---	---	---	---
	7/18/2017	MW-2	2.43	---	---	---	---	---	---	---	---	---
	10/26/2017	MW-2	1.55	---	---	---	---	---	---	---	---	---
	4/19/2018	MW-2	3.39	---	---	---	---	---	---	---	---	---
	7/17/2018	MW-2	1.78	---	---	---	---	---	0.569	---	---	---
	10/18/2018	MW-2	1.17	---	---	---	---	---	0.843	---	---	---
10/25/2019	MW-2	1.20	---	---	---	---	---	1.53	---	---	---	
MW-3	4/14/2008	MW-3	2.31	---	---	---	---	---	0.990	---	---	---
	11/1/2010	MW-3	2.9	---	---	---	---	---	---	---	---	---
	5/31/2011	MW-3	< 2.0	---	---	---	---	---	---	---	---	---
	7/20/2011	MW-3	< 2.0	---	---	---	---	---	---	---	---	---
	10/18/2011	MW-3	6.1	---	---	---	---	---	---	---	---	---
	4/4/2012	MW-3	5.8	---	---	---	---	---	---	---	---	---
	5/29/2013	MW-3	4.0	---	---	---	---	---	---	---	---	---
	10/24/2014	MW-3	1.0	---	---	---	---	---	---	---	---	---
	12/10/2015	MW-3	1.34	---	---	---	---	---	---	---	---	---
	12/14/2016	MW-3	< 1.00	---	---	---	---	---	---	---	---	---
	3/13/2017	MW-3	< 1.00	---	---	---	---	---	---	---	---	---
	7/18/2017	MW-3	1.76	---	---	---	---	---	---	---	---	---
	10/25/2017	MW-3	4.21	---	---	---	---	---	---	---	---	---
4/20/2018	MW-3	1.0	---	---	---	---	---	---	---	---	---	
10/16/2018	MW-3	< 0.500	---	---	---	---	---	---	---	---	---	
<b>MTCA Cleanup Levels for Groundwater<sup>2</sup></b>			<b>5</b>	<b>5</b>	<b>16<sup>3</sup></b>	<b>5<sup>3</sup></b>	<b>7,200<sup>3</sup></b>	<b>5</b>	<b>14.1<sup>3</sup></b>	<b>NE</b>	<b>800<sup>3</sup></b>	<b>1,000</b>

**Table 4**  
**Historical Summary of Groundwater Analytical Results**  
**Manhattan Village Shopping Center and Harris Properties**  
**Normandy Park, Washington**  
**Farallon PN: 578-002**

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter) <sup>1</sup>									
			PCE	TCE	cis-1,2-Dichloroethene	1,2-Dichloropropane	Acetone	Benzene	Chloroform	p-Isopropyltoluene	sec-Butylbenzene	Toluene
MW-4	4/14/2008	MW-4	32.6	0.490	0.320	---	---	---	0.780	---	---	---
	3/9/2010	MW-4	7.8	---	---	---	---	---	---	---	---	---
	11/1/2010	MW-4	16	---	---	---	---	---	---	---	---	---
	5/31/2011	MW-4	10	---	---	---	---	---	---	---	---	---
	7/21/2011	MW-4	25	---	---	---	---	---	---	---	---	---
	10/19/2011	MW-4	21	---	---	---	---	---	---	---	---	---
	4/4/2012	MW-4	11	---	---	---	---	---	---	---	---	---
	5/29/2013	MW-4	8.1	---	---	---	---	---	---	---	---	---
	10/29/2014	MW-4	7.3	---	---	---	---	---	---	---	---	---
	12/14/2015	MW-4	4.89	---	---	---	---	---	---	---	---	---
	12/14/2016	MW-4	< 1.00	---	---	---	---	---	---	---	---	---
	3/14/2017	MW-4	< 1.00	---	---	---	---	---	---	---	---	---
	7/18/2017	MW-4	1.40	---	---	---	---	---	---	---	---	---
	10/25/2017	MW-4	3.23	---	---	---	---	---	---	---	---	---
4/20/2018	MW-4	< 0.500	---	---	---	---	---	---	---	---	---	
10/16/2018	MW-4	< 0.500	---	---	---	---	---	---	---	---	---	
12/7/2021	MW-4	2.62	---	---	---	---	---	---	---	---	---	
MW-5	4/11/2008	MW-5	0.470	---	---	---	---	---	---	---	---	---
	4/2/2012	MW-5	< 2.0	---	---	---	---	---	---	---	---	---
MW-6	4/15/2008	MW-6	< 2.0	---	---	---	---	---	---	---	---	---
	4/2/2012	MW-6	< 2.0	---	---	---	---	---	---	---	---	---
MW-7	4/16/2008	MW-7	22.4	---	---	---	---	---	---	---	---	---
	4/2/2012	MW-7	14	---	---	---	---	---	---	---	---	---
	10/29/2014	MW-7	20	---	---	---	---	---	---	---	---	---
	12/15/2015	MW-7	7.42	---	---	---	---	---	---	---	---	---
	3/17/2017	MW-7	8.08	---	---	---	---	---	---	---	---	---
	7/19/2017	MW-7	7.20	---	---	---	---	---	---	---	---	---
	10/25/2017	MW-7	7.47	---	---	---	---	---	---	---	---	---
	1/26/2018	MW-7	7.73	---	---	---	---	---	---	---	---	---
	4/20/2018	MW-7	7.64	---	---	---	---	---	---	---	---	---
	7/19/2018	MW-7	6.60	---	---	---	---	---	---	---	---	---
	10/23/2018	MW-7	5.79	---	---	---	---	---	---	---	---	---
10/25/2019	MW-7	7.13	---	---	---	---	---	---	---	---	---	
12/7/2021	MW-7	8.20	---	---	---	---	---	---	---	---	---	
MW-8	8/21/2008	MW-8	0.20 J	---	---	---	---	---	---	---	---	---
	4/2/2012	MW-8	< 2.0	---	---	---	---	---	---	---	---	---
<b>MTCA Cleanup Levels for Groundwater<sup>2</sup></b>			<b>5</b>	<b>5</b>	<b>16<sup>3</sup></b>	<b>5<sup>3</sup></b>	<b>7,200<sup>3</sup></b>	<b>5</b>	<b>14.1<sup>3</sup></b>	<b>NE</b>	<b>800<sup>3</sup></b>	<b>1,000</b>

**Table 4**  
**Historical Summary of Groundwater Analytical Results**  
**Manhattan Village Shopping Center and Harris Properties**  
**Normandy Park, Washington**  
**Farallon PN: 578-002**

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter) <sup>1</sup>									
			PCE	TCE	cis-1,2-Dichloroethene	1,2-Dichloropropane	Acetone	Benzene	Chloroform	p-Isopropyltoluene	sec-Butylbenzene	Toluene
MW-9	8/21/2008	MW-9	0.10 J	---	---	---	---	---	---	---	---	---
	4/2/2012	MW-9	< 2.0	---	---	---	---	---	---	---	---	---
	10/24/2014	MW-9	< 1.0	---	---	---	---	---	---	---	---	---
	12/10/2015	MW-9	< 1.00	---	---	---	---	---	---	---	---	---
	3/13/2017	MW-9	< 1.00	---	---	---	---	---	---	---	---	---
	10/23/2017	MW-9	< 0.500	---	---	---	---	---	---	---	---	---
	4/18/2018	MW-9	< 0.500	---	---	---	---	---	---	---	---	---
	10/17/2018	MW-9	< 0.500	---	---	---	---	---	---	---	---	---
	10/25/2019	MW-9	< 0.500	---	---	---	---	---	---	---	---	---
	12/9/2021	MW-9	< 0.400	---	---	---	---	---	---	---	---	---
6/20/2024	MW-9-062024	< 1	< 0.5	< 1	---	---	---	---	---	---	---	
MW-10	2/8/2011	MW-10	<b>10</b>	---	---	---	---	---	---	---	---	---
	5/31/2011	MW-10	< 2.0	---	---	---	---	---	---	---	---	---
	7/20/2011	MW-10	4.1	---	---	---	---	---	---	---	---	---
	10/18/2011	MW-10	4.9	---	---	---	---	---	---	---	---	---
	4/6/2012	MW-10	<b>6.7</b>	---	---	---	---	---	---	---	---	---
	5/29/2013	MW-10	4.1	---	---	---	---	---	---	---	---	---
	10/24/2014	MW-10	1.7	---	---	---	---	---	---	---	---	---
	12/11/2015	MW-10	< 1.00	3.22	---	---	---	---	---	---	---	---
	12/14/2016	MW-10	1.13	---	---	---	---	---	---	---	---	---
	3/14/2017	MW-10	1.09	---	---	---	---	---	---	---	---	---
	7/18/2017	MW-10	< 1.00	---	---	---	---	---	---	---	---	---
	10/23/2017	MW-10	< 0.500	---	---	---	---	---	---	---	---	---
	4/18/2018	MW-10	0.716	---	---	---	---	---	---	---	---	---
	10/18/2018	MW-10	< 0.500	---	---	---	---	---	---	---	---	---
	5/21/2019	MW-10	0.630	---	---	---	---	---	---	---	---	---
10/25/2019	MW-10	1.01	---	---	---	---	---	---	---	---	---	
12/9/2021	MW-10	1.60	---	---	---	---	---	---	---	---	---	
6/20/2024	MW-10-062024	1.5	< 0.5	< 1	---	---	---	---	---	---	---	
<b>MTCA Cleanup Levels for Groundwater<sup>2</sup></b>			<b>5</b>	<b>5</b>	<b>16<sup>3</sup></b>	<b>5<sup>3</sup></b>	<b>7,200<sup>3</sup></b>	<b>5</b>	<b>14.1<sup>3</sup></b>	<b>NE</b>	<b>800<sup>3</sup></b>	<b>1,000</b>

**Table 4**  
**Historical Summary of Groundwater Analytical Results**  
**Manhattan Village Shopping Center and Harris Properties**  
**Normandy Park, Washington**  
**Farallon PN: 578-002**

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter) <sup>1</sup>											
			PCE	TCE	cis-1,2-Dichloroethene	1,2-Dichloropropane	Acetone	Benzene	Chloroform	p-Isopropyltoluene	sec-Butylbenzene	Toluene		
MW-11	2/8/2011	MW-11	47	---	---	---	---	---	---	---	---	---	---	---
	5/31/2011	MW-11	< 2.0	---	---	---	---	51	---	---	---	---	---	---
	7/20/2011	MW-11	< 2.0	---	---	---	---	154	---	---	---	---	---	---
	10/18/2011	MW-11	< 2.0	---	---	---	---	130	---	---	---	---	---	---
	4/6/2012	MW-11	29	---	---	---	---	---	---	---	---	---	---	---
	5/31/2013	MW-11	22	---	---	---	---	---	---	---	---	---	---	---
	10/29/2014	MW-11	15	---	---	---	---	---	---	---	---	---	---	---
	12/14/2015	MW-11	11.9	---	---	---	---	---	---	---	---	---	---	---
	12/15/2016	MW-11	7.99	---	---	---	---	---	---	---	---	---	---	---
	3/16/2017	MW-11	4.66	---	---	---	---	---	---	---	---	---	---	---
	7/19/2017	MW-11	2.52	---	---	---	---	---	---	---	---	---	---	---
	10/26/2017	MW-11	2.15	---	---	---	---	---	---	---	---	---	---	---
	1/25/2018	MW-11	2.52	---	---	---	---	---	---	---	---	---	---	---
	4/19/2018	MW-11	2.97	---	---	---	---	---	---	---	---	---	---	---
	10/19/2018	MW-11	2.44	---	---	---	---	---	---	---	---	---	---	---
5/21/2019	MW-11	3.92	---	---	---	---	---	---	---	---	---	---	---	
12/9/2021	MW-11	5.59	---	---	---	---	---	---	---	---	---	---	---	
MW-12	4/4/2012	MW-12	< 2.0	---	---	---	---	---	---	---	---	---	---	---
	5/28/2013	MW-12	< 1.0	---	---	---	---	---	---	---	---	---	---	---
	10/23/2014	MW-12	< 1.0	---	---	---	---	---	---	---	---	---	---	---
	12/10/2015	MW-12	< 1.00	---	---	---	---	---	---	---	---	---	---	---
	12/14/2016	MW-12	< 1.00	---	---	---	---	---	---	---	---	---	---	---
	3/13/2017	MW-12	< 1.00	---	---	---	---	---	---	---	---	---	---	---
	7/18/2017	MW-12	< 1.00	---	---	---	---	---	---	---	---	---	---	---
	10/23/2017	MW-12	< 0.500	---	---	---	---	---	---	---	---	---	---	---
	4/18/2018	MW-12	< 0.500	---	---	---	---	---	---	---	---	---	---	---
10/16/2018	MW-12	< 0.500	---	---	---	---	---	---	---	---	---	---	---	
MW-13	4/3/2012	MW-13	< 2.0	---	---	---	---	---	---	---	---	---	---	---
	5/30/2013	MW-13	< 1.0	---	---	---	---	---	---	---	---	---	---	---
	10/23/2014	MW-13	< 1.0	---	---	---	---	---	---	---	---	---	---	---
	12/10/2015	MW-13	< 1.00	---	---	---	---	---	---	---	---	---	---	---
	12/13/2016	MW-13	< 1.00	---	---	---	---	---	---	---	---	---	---	---
	3/14/2017	MW-13	< 1.00	---	---	---	---	---	---	---	---	---	---	---
	7/18/2017	MW-13	< 1.00	---	---	---	---	---	---	---	---	---	---	---
	10/23/2017	MW-13	< 0.500	---	---	---	---	---	---	---	---	---	---	---
	4/18/2018	MW-13	< 0.500	---	---	---	---	---	---	---	---	---	---	---
10/16/2018	MW-13	< 0.500	---	---	---	---	---	---	---	---	---	---	---	
<b>MTCA Cleanup Levels for Groundwater<sup>2</sup></b>			<b>5</b>	<b>5</b>	<b>16<sup>3</sup></b>	<b>5<sup>3</sup></b>	<b>7,200<sup>3</sup></b>	<b>5</b>	<b>14.1<sup>3</sup></b>	<b>NE</b>	<b>800<sup>3</sup></b>	<b>1,000</b>		

**Table 4**  
**Historical Summary of Groundwater Analytical Results**  
**Manhattan Village Shopping Center and Harris Properties**  
**Normandy Park, Washington**  
**Farallon PN: 578-002**

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter) <sup>1</sup>									
			PCE	TCE	cis-1,2-Dichloroethene	1,2-Dichloropropane	Acetone	Benzene	Chloroform	p-Isopropyltoluene	sec-Butylbenzene	Toluene
MW-14	4/5/2012	MW-14	< 2.0	---	---	---	---	---	---	---	---	---
	5/29/2013	MW-14	< 1.0	---	---	---	---	---	---	---	---	---
	10/30/2014	MW-14	< 1.0	---	---	---	---	---	---	---	---	---
	12/11/2015	MW-14	< 1.00	---	---	---	---	---	---	---	---	---
	3/14/2017	MW-14	< 1.00	---	---	---	---	---	---	---	---	---
	10/24/2017	MW-14	0.910	---	---	---	---	---	---	---	---	---
	4/20/2018	MW-14	1.27	---	---	---	---	---	---	---	---	---
	10/23/2018	MW-14	< 0.500	---	---	---	---	---	---	---	---	---
MW-15	4/5/2012	MW-15	< 2.0	---	---	---	---	---	---	---	---	---
	5/28/2013	MW-15	< 1.0	---	---	---	---	---	---	---	---	---
	4/14/2014	MW-15	< 1.0	---	---	---	---	---	---	---	---	---
	10/23/2014	MW-15	< 1.0	---	---	---	---	---	---	---	---	---
	12/10/2015	MW-15	< 1.00	---	---	---	---	---	---	---	---	---
	3/14/2017	MW-15	< 1.00	---	---	---	---	---	---	---	---	---
	10/24/2017	MW-15	0.954	---	---	---	---	---	---	---	---	---
	4/19/2018	MW-15	1.13	---	---	---	---	---	---	---	---	---
10/18/2018	MW-15	< 0.500	---	---	---	---	---	---	---	---	---	
MW-16	5/31/2013	MW-16	2.5	---	---	---	---	---	---	---	---	---
	10/23/2014	MW-16	1.3	---	---	---	---	---	---	---	---	---
	12/11/2015	MW-16	1.20	---	---	---	---	---	---	---	---	---
	12/13/2016	MW-16	1.63	---	---	---	---	---	---	---	---	---
	3/16/2017	MW-16	1.13	---	---	---	---	---	---	---	---	---
	7/18/2017	MW-16	< 1.00	---	---	---	---	---	---	---	---	---
	10/24/2017	MW-16	1.26	---	---	---	---	---	---	---	---	---
	4/19/2018	MW-16	1.33	---	---	---	---	---	---	---	---	---
10/18/2018	MW-16	0.912	---	---	---	---	---	0.539	---	---	---	
MW-17	3/6/2019	MW-17	<b>6.82</b>	---	---	---	---	---	---	---	---	---
	10/28/2019	MW-17	2.85	---	---	---	---	---	---	---	---	---
	6/3/2020	MW-17	<b>5.35</b>	---	---	---	---	---	---	---	---	---
	12/10/2021	MW-17	4.98	---	---	---	---	---	---	---	---	---
MW-18	3/6/2019	MW-18	<b>11.4</b>	---	---	---	---	---	---	---	---	---
	10/28/2019	MW-18	<b>11.3</b>	---	---	---	---	---	---	---	---	---
	12/10/2021	MW-18	<b>9.78</b>	---	---	---	---	---	---	---	---	---
	6/20/2024	MW-18-062024	<b>6.4</b>	< 0.5	< 1	---	---	---	---	---	---	---
MW-20	10/29/2019	MW-20	< 0.500	---	---	---	---	---	0.547	---	---	---
	12/4/2019	MW-20	< 0.500	---	---	---	---	---	---	---	---	---
	6/3/2020	MW-20	< 1.00	---	---	---	---	---	---	---	---	---
	12/8/2021	MW-20	0.423	---	---	---	---	---	---	---	---	---
	6/20/2024	MW-20-062024	< 1	< 0.5	< 1	---	---	---	---	---	---	---
<b>MTCA Cleanup Levels for Groundwater<sup>2</sup></b>			<b>5</b>	<b>5</b>	<b>16<sup>3</sup></b>	<b>5<sup>3</sup></b>	<b>7,200<sup>3</sup></b>	<b>5</b>	<b>14.1<sup>3</sup></b>	<b>NE</b>	<b>800<sup>3</sup></b>	<b>1,000</b>

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**Historical Summary of Groundwater Analytical Results**  
**Manhattan Village Shopping Center and Harris Properties**  
**Normandy Park, Washington**  
**Farallon PN: 578-002**

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter) <sup>1</sup>									
			PCE	TCE	cis-1,2-Dichloroethene	1,2-Dichloropropane	Acetone	Benzene	Chloroform	p-Isopropyltoluene	sec-Butylbenzene	Toluene
DC-1	10/21/1998	DC-1	0.60	---	---	---	---	---	---	---	---	0.8
	2/3/1999	DC-1	< 0.5	---	---	---	---	---	---	---	---	---
	4/7/1999	DC-1	< 0.5	---	---	---	---	---	---	---	---	8.7
	12/8/1999	DC-1	< 1.0	---	---	---	---	---	---	---	---	---
	4/26/2000	DC-1	< 1.0	---	---	---	---	---	---	---	---	---
	8/3/2000	DC-1	< 1.0	---	---	---	---	---	---	---	---	---
	11/14/2000	DC-1	< 1.0	---	---	---	---	---	---	---	---	---
	3/6/2001	DC-1	< 1.0	---	---	---	---	---	---	---	---	---
	6/20/2001	DC-1	< 1.0	---	---	---	---	---	---	---	---	---
	9/17/2001	DC-1	< 1.0	---	---	---	---	---	---	---	---	---
	12/20/2001	DC-1	< 1.0	---	---	---	---	---	---	---	---	---
	3/13/2002	DC-1	< 1.0	---	---	---	---	---	---	---	---	---
	9/17/2002	DC-1	< 1.0	---	---	---	---	---	---	---	---	---
	12/10/2002	DC-1	< 1.0	---	---	---	---	---	---	---	---	---
	3/31/2003	DC-1	< 1.0	---	---	---	---	---	---	---	---	---
	9/3/2003	DC-1	< 1.0	---	---	---	---	---	---	---	---	---
	3/16/2004	DC-1	< 1.0	---	---	---	---	---	---	---	---	---
	9/7/2004	DC-1	< 1.0	---	---	---	---	---	---	---	---	---
4/25/2007	DC-1	< 0.2	---	---	---	---	---	---	---	---	---	
4/4/2012	DC-1	< 2.0	---	---	---	---	---	---	---	---	---	
<b>MTCA Cleanup Levels for Groundwater<sup>2</sup></b>			<b>5</b>	<b>5</b>	<b>16<sup>3</sup></b>	<b>5<sup>3</sup></b>	<b>7,200<sup>3</sup></b>	<b>5</b>	<b>14.1<sup>3</sup></b>	<b>NE</b>	<b>800<sup>3</sup></b>	<b>1,000</b>

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**Manhattan Village Shopping Center and Harris Properties**  
**Normandy Park, Washington**  
**Farallon PN: 578-002**

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter) <sup>1</sup>										
			PCE	TCE	cis-1,2-Dichloroethene	1,2-Dichloropropane	Acetone	Benzene	Chloroform	p-Isopropyltoluene	sec-Butylbenzene	Toluene	
DC-2	10/21/1998	DC-2	2.4	---	---	---	---	---	---	1.8	---	---	0.6
	2/3/1999	DC-2	0.7	---	---	---	---	---	---	---	---	---	---
	4/7/1999	DC-2	< 0.5	---	---	---	---	---	---	1.4	---	---	14
	12/8/1999	DC-2	< 0.5	---	---	---	---	---	---	---	---	---	---
	4/26/2000	DC-2	< 1.0	---	---	---	---	---	---	---	---	---	---
	8/3/2000	DC-2	< 1.0	---	---	---	---	---	---	---	---	---	---
	11/14/2000	DC-2	< 1.0	---	---	---	---	---	---	---	---	---	---
	3/6/2001	DC-2	< 1.0	---	---	---	---	---	---	---	---	---	---
	6/20/2001	DC-2	< 1.0	---	---	---	---	---	---	---	---	---	---
	9/17/2001	DC-2	< 1.0	---	---	---	---	---	---	---	---	---	---
	12/20/2001	DC-2	< 1.0	---	---	---	---	---	---	---	---	---	---
	3/13/2002	DC-2	4.0	---	---	---	---	---	---	---	---	---	---
	6/13/2002	DC-2	< 1.0	---	---	---	---	---	---	---	---	---	---
	9/17/2002	DC-2	< 1.0	---	---	---	---	---	---	---	---	---	---
	12/10/2002	DC-2	0.50	---	---	---	---	---	---	---	---	---	---
	3/31/2003	DC-2	3.37	---	---	---	---	---	---	---	---	---	---
	9/3/2003	DC-2	< 1.0	---	---	---	---	---	---	---	---	---	---
	3/16/2004	DC-2	0.737	---	---	---	---	---	---	---	---	---	---
	9/7/2004	DC-2	< 1.0	---	---	---	---	---	---	---	---	---	---
	4/26/2007	DC-2	1.2	---	---	---	---	---	---	---	---	---	---
4/14/2008	DC-2	0.340	---	---	---	---	---	---	1.60	---	---	---	
11/3/2010	DC-2	< 2.0	---	---	---	---	---	---	---	---	---	---	
5/31/2011	DC-2	< 2.0	---	---	---	---	---	---	---	---	---	---	
7/21/2011	DC-2	< 2.0	---	---	---	---	---	---	---	---	---	---	
10/18/2011	DC-2	< 2.0	---	---	---	---	---	---	---	---	---	---	
4/4/2012	DC-2	< 2.0	---	---	---	---	---	---	---	---	---	---	
<b>MTCA Cleanup Levels for Groundwater<sup>2</sup></b>			<b>5</b>	<b>5</b>	<b>16<sup>3</sup></b>	<b>5<sup>3</sup></b>	<b>7,200<sup>3</sup></b>	<b>5</b>	<b>14.1<sup>3</sup></b>	<b>NE</b>	<b>800<sup>3</sup></b>	<b>1,000</b>	

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Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter) <sup>1</sup>										
			PCE	TCE	cis-1,2-Dichloroethene	1,2-Dichloropropane	Acetone	Benzene	Chloroform	p-Isopropyltoluene	sec-Butylbenzene	Toluene	
DC-3	10/28/1998	DC-3	54	---	---	---	---	---	---	1.9	---	---	0.6
	2/4/1999	DC-3	25	---	---	---	---	---	---	---	---	---	---
	4/8/1999	DC-3	36	---	---	---	---	---	---	1.2	---	---	15
	12/8/1999	DC-3	45	---	---	---	---	---	---	---	---	---	---
	4/26/2000	DC-3	56	---	---	---	---	---	---	---	---	---	---
	8/3/2000	DC-3	25	---	---	---	---	---	---	---	---	---	---
	11/14/2000	DC-3	< 1.0	---	---	---	---	---	---	---	---	---	---
	3/6/2001	DC-3	4.7	---	---	---	---	---	---	---	---	---	---
	6/20/2001	DC-3	2.8	---	---	---	---	---	---	---	---	---	---
	9/17/2001	DC-3	< 1.0	---	---	---	---	---	---	---	---	---	---
	12/20/2001	DC-3	9.2	---	---	---	---	---	---	---	---	---	---
	3/13/2002	DC-3	40.0	---	---	---	---	---	---	---	---	---	---
	6/13/2002	DC-3	42.3	---	---	---	---	---	---	---	---	---	---
	9/17/2002	DC-3	33.4	---	---	---	---	---	---	---	---	---	---
	12/10/2002	DC-3	5.40	---	---	---	---	---	---	---	---	---	---
	3/31/2003	DC-3	7.34	---	---	---	---	---	---	---	---	---	---
	9/3/2003	DC-3	2.08	---	---	---	---	---	---	---	---	---	---
	3/16/2004	DC-3	< 1.0	---	---	---	---	---	---	---	---	---	---
	9/7/2004	DC-3	3.43	---	---	---	---	---	---	---	---	---	---
	4/26/2007	DC-3	42.0	---	---	---	---	---	---	---	---	---	---
	4/14/2008	DC-3	27.8	---	---	---	---	---	---	1.50	---	---	---
	3/9/2010	DC-3	< 2.0	---	---	---	---	---	---	---	---	---	---
	11/3/2010	DC-3	< 2.0	---	---	---	---	---	---	---	---	---	---
	5/30/2011	DC-3	3.9	---	---	---	---	---	---	---	---	---	---
	7/20/2011	DC-3	12	---	---	---	---	---	---	---	---	---	---
	10/18/2011	DC-3	6.7	---	---	---	---	---	---	---	---	---	---
4/4/2012	DC-3	2.9	---	---	---	---	---	---	---	---	---	---	
10/27/2014	DC-3	1.4	---	---	---	---	---	---	---	---	---	---	
12/11/2015	DC-3	1.49	---	---	---	---	---	---	---	---	---	---	
12/14/2016	DC-3	< 1.00	---	---	---	---	---	---	---	---	---	---	
3/14/2017	DC-3	2.11	---	---	---	---	---	---	---	---	---	---	
7/18/2017	DC-3	< 1.00	---	---	---	---	---	---	---	---	---	---	
10/24/2017	DC-3	0.786	---	---	---	---	---	---	---	---	---	---	
4/18/2018	DC-3	1.23	---	---	---	---	---	---	---	---	---	---	
10/17/2018	DC-3	< 0.500	---	---	---	---	---	---	---	---	---	---	
<b>MTCA Cleanup Levels for Groundwater<sup>2</sup></b>			<b>5</b>	<b>5</b>	<b>16<sup>3</sup></b>	<b>5<sup>3</sup></b>	<b>7,200<sup>3</sup></b>	<b>5</b>	<b>14.1<sup>3</sup></b>	<b>NE</b>	<b>800<sup>3</sup></b>	<b>1,000</b>	

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Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter) <sup>1</sup>											
			PCE	TCE	cis-1,2-Dichloroethene	1,2-Dichloropropane	Acetone	Benzene	Chloroform	p-Isopropyltoluene	sec-Butylbenzene	Toluene		
DC-4	10/28/1998	DC-4	227	---	---	---	---	---	---	0.9	---	---	---	0.7
	2/4/1999	DC-4	144	---	---	---	---	---	---	---	---	---	---	---
	4/8/1999	DC-4	110	---	---	---	---	---	---	---	---	---	---	2.6
	12/8/1999	DC-4	71	---	---	---	---	---	---	---	---	---	---	---
	4/26/2000	DC-4	120	---	---	---	---	---	---	---	---	---	---	---
	8/3/2000	DC-4	42	---	---	---	---	---	---	---	---	---	---	---
	11/14/2000	DC-4	64	---	---	---	---	---	---	---	---	---	---	---
	3/6/2001	DC-4	52	---	3.0	---	---	---	---	---	---	---	---	---
	6/20/2001	DC-4	40	---	---	---	---	---	---	---	---	---	---	---
	9/17/2001	DC-4	23	---	---	---	---	---	---	---	---	---	---	---
	12/20/2001	DC-4	15	---	---	---	---	---	---	---	---	---	---	---
	3/13/2002	DC-4	55	---	---	---	---	---	---	---	---	---	---	---
	6/13/2002	DC-4	17.9	---	---	---	---	---	---	---	---	---	---	---
	9/17/2002	DC-4	28.8	---	---	---	---	---	---	---	---	---	---	---
	12/10/2002	DC-4	22.4	---	---	---	---	---	---	---	---	---	---	---
	3/31/2003	DC-4	12.5	---	---	---	---	---	---	---	---	---	---	---
	9/3/2003	DC-4	14.1	---	---	---	---	---	---	---	---	---	---	---
	3/16/2004	DC-4	19.8	---	---	---	---	---	---	---	---	---	---	---
	9/7/2004	DC-4	18.5	---	---	---	---	---	---	---	---	---	---	---
	4/26/2007	DC-4	19.0	---	---	---	---	---	---	---	---	---	---	---
	4/11/2008	DC-4	30.2	---	---	---	---	---	---	---	1.2	---	---	---
	3/9/2010	DC-4	9.2	---	---	---	---	---	---	---	---	---	---	---
	11/3/2010	DC-4	13	---	---	---	---	---	---	---	---	---	---	---
	5/31/2011	DC-4	< 2.0	---	---	---	---	---	46	---	---	---	---	---
	7/20/2011	DC-4	< 2.0	---	---	---	---	---	77	---	---	---	---	---
	10/18/2011	DC-4	22	---	---	---	---	---	---	---	---	---	---	---
4/4/2012	DC-4	22	---	---	---	---	---	---	---	---	---	---	---	
5/30/2013	DC-4	11	---	---	---	---	---	---	---	---	---	---	---	
10/29/2014	DC-4	13	---	---	---	---	---	---	---	---	---	---	---	
12/14/2015	DC-4	5.49	---	---	---	---	---	---	---	---	---	---	---	
12/14/2016	DC-4	< 1.00	---	---	---	---	---	---	---	---	---	---	---	
3/14/2017	DC-4	< 1.00	---	---	---	---	---	---	---	---	---	---	---	
7/18/2017	DC-4	< 1.00	---	---	---	---	---	---	---	---	---	---	---	
10/24/2017	DC-4	< 0.500	---	---	---	---	---	---	---	---	---	---	---	
4/18/2018	DC-4	< 0.500	---	---	---	---	---	---	---	---	---	---	---	
10/17/2018	DC-4	< 0.500	---	---	---	---	---	---	---	---	---	---	---	
12/7/2021	DC-4	5.36	---	---	---	---	---	---	---	---	---	---	---	
DC-6	2/4/1999	DC-6	5.1	---	---	---	---	---	---	---	---	---	---	
	4/8/1999	DC-6	3.7	---	---	---	---	---	---	1.3	---	---	2.3	
	---	---	Monitoring well cannot be located											
<b>MTCA Cleanup Levels for Groundwater<sup>2</sup></b>			<b>5</b>	<b>5</b>	<b>16<sup>3</sup></b>	<b>5<sup>3</sup></b>	<b>7,200<sup>3</sup></b>	<b>5</b>	<b>14.1<sup>3</sup></b>	<b>NE</b>	<b>800<sup>3</sup></b>	<b>1,000</b>		

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Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter) <sup>1</sup>									
			PCE	TCE	cis-1,2-Dichloroethene	1,2-Dichloropropane	Acetone	Benzene	Chloroform	p-Isopropyltoluene	sec-Butylbenzene	Toluene
DC-7	2/4/1999	DC-7	74	---	---	---	---	---	---	---	---	---
	4/8/1999	DC-7	64	---	---	---	---	---	---	---	---	1.3
	12/8/1999	DC-7	107	---	---	---	---	---	---	---	---	---
	4/26/2000	DC-7	130	---	---	---	---	---	---	---	---	---
	8/3/2000	DC-7	50	---	---	---	---	---	---	---	---	---
	11/14/2000	DC-7	130	---	---	---	---	---	---	---	---	---
	3/6/2001	DC-7	140	---	---	---	---	---	---	---	---	---
	6/20/2001	DC-7	96	---	---	---	---	---	---	---	---	---
	9/17/2001	DC-7	81	---	---	---	---	---	---	---	---	---
	12/20/2001	DC-7	47	---	---	---	---	---	---	---	---	---
	3/13/2002	DC-7	31	---	---	---	---	---	---	---	---	---
	6/13/2002	DC-7	41.5	---	---	---	---	---	---	---	---	---
	9/17/2002	DC-7	77.7	---	---	---	---	---	---	---	---	---
	12/10/2002	DC-7	91.8	---	---	---	---	---	---	---	---	---
	3/31/2003	DC-7	40.1	---	---	---	---	---	---	---	---	---
	9/3/2003	DC-7	57.4	---	---	---	---	---	---	---	---	---
	7/25/2005	DC-7	37.0	---	---	---	---	---	---	---	---	---
	4/11/2006	DC-7	23.0	---	---	---	---	---	---	---	---	---
	10/26/2006	DC-7	51.0	---	---	---	---	---	---	---	---	---
	4/24/2007	DC-7	27.0	---	---	---	---	---	---	---	---	---
	4/16/2008	DC-7	50.8	---	---	---	---	---	---	---	---	---
	11/3/2010	DC-7	34	---	---	---	---	---	---	---	---	---
	6/1/2011	DC-7	15	---	---	---	---	---	---	---	---	---
	7/21/2011	DC-7	38	---	---	---	---	---	---	---	---	---
	10/18/2011	DC-7	42	---	---	---	---	---	---	---	---	---
	4/5/2012	DC-7	18	---	---	---	---	---	---	---	---	---
	5/30/2013	DC-7	15	---	---	---	---	---	---	---	---	---
10/30/2014	DC-7	23	---	---	---	---	---	---	---	---	---	
12/16/2015	DC-7	13.3	---	---	---	---	---	---	---	---	---	
3/17/2017	DC-7	10.4	---	---	---	---	---	---	---	---	---	
10/23/2017	DC-7	6.67 J	---	---	---	---	---	---	---	---	---	
1/26/2018	DC-7	12.1	---	---	---	---	---	---	---	---	---	
4/20/2018	DC-7	12.8	---	---	---	---	---	---	---	---	---	
7/20/2018	DC-7	12.3	---	---	---	---	---	---	---	---	---	
10/23/2018	DC-7	11.6	---	---	---	---	---	---	---	---	---	
10/30/2019	DC-7	17.1	---	---	---	---	---	---	---	---	---	
5/11/2021	DC-7	8.35	---	---	---	---	---	---	---	---	---	
12/8/2021	DC-7	10.0 J	---	---	---	---	---	---	---	---	---	
<b>MTCA Cleanup Levels for Groundwater<sup>2</sup></b>			<b>5</b>	<b>5</b>	<b>16<sup>3</sup></b>	<b>5<sup>3</sup></b>	<b>7,200<sup>3</sup></b>	<b>5</b>	<b>14.1<sup>3</sup></b>	<b>NE</b>	<b>800<sup>3</sup></b>	<b>1,000</b>

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DC-8	2/4/1999	DC-8	56	---	---	---	---	---	---	---	---	---
	4/8/1999	DC-8	48	---	---	---	---	---	---	---	---	1.2
	12/8/1999	DC-8	98	---	---	---	---	---	---	---	---	---
	4/26/2000	DC-8	87	---	---	---	---	---	---	---	---	---
	8/3/2000	DC-8	70	---	---	---	---	---	---	---	---	---
	11/14/2000	DC-8	130	---	---	---	---	---	---	---	---	---
	3/6/2001	DC-8	82	---	---	---	---	---	---	---	---	---
	6/20/2001	DC-8	80	---	---	---	---	---	---	---	---	---
	9/17/2001	DC-8	62	---	---	---	---	---	---	---	---	---
	12/20/2001	DC-8	50	---	---	---	---	---	---	---	---	---
	3/13/2002	DC-8	31	---	---	---	---	---	---	---	---	---
	6/13/2002	DC-8	26.6	---	---	---	---	---	---	---	---	---
	9/17/2002	DC-8	38.4	---	---	---	---	---	---	---	---	---
	12/10/2002	DC-8	53.1	---	---	---	---	---	---	---	---	---
	3/31/2003	DC-8	36.4	---	---	---	---	---	---	---	---	---
	9/3/2003	DC-8	34.7	---	---	---	---	---	---	---	---	---
	7/25/2005	DC-8	26.0	---	---	---	---	---	---	---	---	---
	4/11/2006	DC-8	14.0	---	---	---	---	---	---	---	---	---
	10/26/2006	DC-8	28.0	---	---	---	---	---	---	---	---	---
	4/24/2007	DC-8	24.0	---	---	---	---	---	---	---	---	---
	4/16/2008	DC-8	39.4	---	---	---	---	---	---	---	---	---
	11/3/2010	DC-8	25	---	---	---	---	---	---	---	---	---
	6/1/2011	DC-8	11	---	---	---	---	---	---	---	---	---
	7/21/2011	DC-8	25	---	---	---	---	---	---	---	---	---
	10/19/2011	DC-8	26	---	---	---	---	---	---	---	---	---
	4/5/2012	DC-8	18	---	---	---	---	---	---	---	---	---
	5/30/2013	DC-8	11	---	---	---	---	---	---	---	---	---
	10/30/2014	DC-8	18	---	---	---	---	---	---	---	---	---
	12/16/2015	DC-8	8.61	---	---	---	---	---	---	---	---	---
	3/16/2017	DC-8	9.69	---	---	---	---	---	---	---	---	---
7/19/2017	DC-8	8.94	---	---	---	---	---	---	---	---	---	
10/23/2017	DC-8	14.8	---	---	---	---	---	---	---	---	---	
1/24/2018	DC-8	12.0	---	---	---	---	---	---	---	---	---	
4/18/2018	DC-8	13.0	---	---	---	---	---	---	---	---	---	
7/18/2018	DC-8	11.7	---	---	---	---	---	---	---	---	---	
10/18/2018	DC-8	12.1	---	---	---	---	---	---	---	---	---	
10/29/2019	DC-8	15.0	---	---	---	---	---	---	---	---	---	
12/8/2021	DC-8	11.0	---	---	---	---	---	---	---	---	---	
6/20/2024		DC-8-062024	4.2	< 0.5	< 1	---	---	---	---	---	---	
6/20/2024		DC-808	4.0	< 0.5	< 1	---	---	---	---	---	---	
<b>MTCA Cleanup Levels for Groundwater<sup>2</sup></b>			<b>5</b>	<b>5</b>	<b>16<sup>3</sup></b>	<b>5<sup>3</sup></b>	<b>7,200<sup>3</sup></b>	<b>5</b>	<b>14.1<sup>3</sup></b>	<b>NE</b>	<b>800<sup>3</sup></b>	<b>1,000</b>

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**Manhattan Village Shopping Center and Harris Properties**  
**Normandy Park, Washington**  
**Farallon PN: 578-002**

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter) <sup>1</sup>										
			PCE	TCE	cis-1,2-Dichloroethene	1,2-Dichloropropane	Acetone	Benzene	Chloroform	p-Isopropyltoluene	sec-Butylbenzene	Toluene	
DC-9A	4/8/1999	DC-9A	135	---	---	---	---	---	---	---	---	---	3.2
	12/8/1999	DC-9A	73	---	---	---	---	---	---	---	---	---	---
	4/26/2000	DC-9A	240	---	---	---	---	---	---	---	---	---	---
	8/3/2000	DC-9A	110	---	---	---	---	---	---	---	---	---	---
	4/11/2006	DC-9A	78	---	---	---	---	---	---	---	---	---	---
	8/8/2006	DC-9A	49	---	---	---	---	---	---	---	---	---	---
	11/2/2006	DC-9A	2.9	---	---	---	---	---	---	---	---	---	---
	4/26/2007	DC-9A	33	---	---	---	---	---	---	---	---	---	---
---	---	---	Monitoring well cannot be located										
DC-10A	4/8/1999	DC-10A	150	---	---	---	---	---	---	---	---	---	1.7
	12/8/1999	DC-10A	73	1.1	---	---	---	---	---	---	---	---	---
	4/26/2000	DC-10A	210	---	---	---	---	---	---	---	---	---	---
	4/5/2012	DC-10A	41	---	---	---	---	---	---	---	---	---	---
	5/31/2013	DC-10A	19	---	---	---	---	---	---	---	---	---	---
	10/30/2014	DC-10A	17	---	---	---	---	---	---	---	---	---	---
	12/15/2016	DC-10A	10.8	---	---	---	---	---	---	---	---	---	---
	3/17/2017	DC-10A	8.62	---	---	---	---	---	---	---	---	---	---
	7/19/2017	DC-10A	4.69	---	---	---	---	---	---	---	---	---	---
	10/26/2017	DC-10A	4.72	---	---	---	---	---	---	---	---	---	---
	1/25/2018	DC-10A	3.62	---	---	---	---	---	---	---	---	---	---
	4/20/2018	DC-10A	4.67	---	---	---	---	---	---	---	---	---	---
7/17/2018	DC-10A	2.68	---	---	---	---	---	---	---	---	---	---	
DC-11	4/26/2007	DC-11	12	---	---	---	---	---	---	---	---	---	---
	3/9/2010	DC-11	4.6	---	---	---	---	---	---	---	---	---	---
	11/1/2010	DC-11	4.8	---	---	---	---	---	---	---	---	---	---
	4/4/2012	DC-11	3.1	---	---	---	---	---	---	---	---	---	---
	4/15/2014	DC-11	1.2	---	---	---	---	---	---	---	---	---	---
	10/27/2014	DC-11	1.4	---	---	---	---	---	---	---	---	---	---
	12/11/2015	DC-11	1.48	---	---	---	---	---	---	---	---	---	---
	3/15/2017	DC-11	1.97	---	---	---	---	---	---	---	---	---	---
	10/26/2017	DC-11	1.35	---	---	---	---	---	---	---	---	---	---
4/19/2018	DC-11	1.21	---	---	---	---	---	---	---	---	---	---	
10/18/2018	DC-11	1.25	---	---	---	---	---	---	---	---	---	---	
<b>MTCA Cleanup Levels for Groundwater<sup>2</sup></b>			<b>5</b>	<b>5</b>	<b>16<sup>3</sup></b>	<b>5<sup>3</sup></b>	<b>7,200<sup>3</sup></b>	<b>5</b>	<b>14.1<sup>3</sup></b>	<b>NE</b>	<b>800<sup>3</sup></b>	<b>1,000</b>	

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**Manhattan Village Shopping Center and Harris Properties**  
**Normandy Park, Washington**  
**Farallon PN: 578-002**

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter) <sup>1</sup>									
			PCE	TCE	cis-1,2-Dichloroethene	1,2-Dichloropropane	Acetone	Benzene	Chloroform	p-Isopropyltoluene	sec-Butylbenzene	Toluene
DC -12	4/25/2007	DC -12	16	---	---	---	---	---	---	---	---	---
	4/4/2012	DC-12	3.7	---	---	---	---	---	---	---	---	---
	5/30/2013	DC-12	2.3	---	---	---	---	---	---	---	---	---
	4/15/2014	DC-12	1.4	---	---	---	---	---	---	---	---	---
	10/27/2014	DC-12	1.8	---	---	---	---	---	---	---	---	---
	12/14/2015	DC-12	2.04	---	---	---	---	---	---	---	---	---
	3/15/2017	DC-12	2.02	---	---	---	---	---	---	---	---	---
	10/27/2017	DC-12	1.66	---	---	---	---	---	---	---	---	---
	4/20/2018	DC-12	1.50	---	---	---	---	---	---	---	---	---
10/19/2018	DC-12	1.66	---	---	---	---	---	---	---	---	---	
DC-13	4/25/2007	DC-13	15	---	---	---	---	---	---	---	---	---
	4/16/2008	DC-13	23	---	---	---	---	---	---	---	---	---
	3/1/2010	DC-13	10	---	---	---	---	---	---	---	---	---
	11/2/2010	DC-13	9.2	---	---	---	---	---	---	---	---	---
	4/5/2012	DC-13	6.4	---	---	---	---	---	---	---	---	---
	5/30/2013	DC-13	1.7	---	---	---	---	---	---	---	---	---
	4/14/2014	DC-13	3.2	---	---	---	---	---	---	---	---	---
	10/27/2014	DC-13	2.7	---	---	---	---	---	---	---	---	---
	12/14/2015	DC-13	2.78	---	---	---	---	---	---	---	---	---
	3/15/2017	DC-13	4.32	---	---	---	---	---	---	---	---	---
	10/27/2017	DC-13	2.79	---	---	---	---	---	---	---	---	---
	4/20/2018	DC-13	2.87	---	---	---	---	---	---	---	---	---
10/19/2018	DC-13	2.74	---	---	---	---	---	---	---	---	---	
DC-14	4/25/2007	DC-14	11	---	---	---	---	---	---	---	---	---
	4/3/2012	DC-14	11	---	---	---	---	---	---	---	---	---
	5/30/2013	DC-14	6.0	---	---	---	---	---	---	---	---	---
	10/29/2014	DC-14	19	---	---	---	---	---	---	---	---	---
	12/15/2015	DC-14	6.02	---	---	---	---	---	---	---	---	---
	3/16/2017	DC-14	6.20	---	---	---	---	---	---	---	---	---
	7/19/2017	DC-14	4.94	---	---	---	---	---	---	---	---	---
	10/26/2017	DC-14	5.40	---	---	---	---	---	2.23	---	---	---
	2/2/2018	DC-14	7.81	---	---	---	---	---	---	---	---	---
	4/19/2018	DC-14	5.14	---	---	---	---	---	2.27	---	---	---
7/19/2018	DC-14	5.40	---	---	---	---	---	1.25	---	---	---	
<b>MTCA Cleanup Levels for Groundwater<sup>2</sup></b>			<b>5</b>	<b>5</b>	<b>16<sup>3</sup></b>	<b>5<sup>3</sup></b>	<b>7,200<sup>3</sup></b>	<b>5</b>	<b>14.1<sup>3</sup></b>	<b>NE</b>	<b>800<sup>3</sup></b>	<b>1,000</b>

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			PCE	TCE	cis-1,2-Dichloroethene	1,2-Dichloropropane	Acetone	Benzene	Chloroform	p-Isopropyltoluene	sec-Butylbenzene	Toluene
DC-15	4/24/2007	DC-15	11	---	---	---	---	---	---	---	---	---
	4/5/2012	DC-15	20	---	---	---	---	---	---	---	---	---
	4/15/2014	DC-15	10	---	---	---	---	---	---	---	---	---
	10/30/2014	DC-15	5.8	---	---	---	---	---	---	---	---	---
	12/16/2015	DC-15	5.93	---	---	---	---	---	---	---	---	---
	3/16/2017	DC-15	8.96	---	---	---	---	---	---	---	---	---
	10/23/2017	DC-15	7.42	---	---	---	---	---	---	---	---	---
	1/24/2018	DC-15	8.61	---	---	---	---	---	---	---	---	---
	4/18/2018	DC-15	9.88	---	---	---	---	---	---	---	---	---
	7/18/2018	DC-15	7.82	---	---	---	---	---	---	---	---	---
	10/18/2018	DC-15	7.65	---	---	---	---	---	---	---	---	---
	10/29/2019	DC-15	9.72	---	---	---	---	---	---	---	---	---
	12/8/2021	DC-15	9.31	---	---	---	---	---	---	---	---	---
6/20/2024	DC-15-062024	3.9	< 0.5	< 1	---	---	---	---	---	---	---	
DC-17 <sup>4</sup>	4/25/2007	DC-17	47	---	---	---	---	---	---	---	---	---
	4/16/2008	DC-17	74.6	---	---	---	---	---	---	---	---	---
	5/31/2013	DC-17	21	---	---	---	---	---	---	---	---	---
	10/23/2014	DC-17	17	---	---	---	---	---	---	---	---	---
	12/16/2015	DC-17	15.1	---	---	---	---	---	---	---	---	---
	3/17/2017	DC-17	13.9	---	---	---	---	---	---	---	---	---
	10/23/2017	DC-17	8.06	---	---	---	---	---	---	---	---	---
	1/26/2018	DC-17	7.38	---	---	---	---	---	---	---	---	---
	4/20/2018	DC-17	10.1	---	---	---	---	---	---	---	---	---
	7/20/2018	DC-17	8.62	---	---	---	---	---	---	---	---	---
	10/19/2018	DC-17	8.24	---	---	---	---	---	---	---	---	---
	5/21/2019	DC-17	8.62	---	---	---	---	---	---	---	---	---
	10/30/2019	DC-17	5.72	---	---	---	---	---	---	---	---	---
12/9/2021	DC-17	0.810	---	---	---	---	---	---	---	---	---	
DC-18	4/25/2007	DC-18	19	---	---	---	---	---	---	---	---	---
	4/5/2012	DC-18	7.2	---	---	---	---	---	---	---	---	---
	5/30/2013	DC-18	4.8	---	---	---	---	---	---	---	---	---
	10/28/2014	DC-18	3.0	---	---	---	---	---	---	---	---	---
	12/14/2015	DC-18	3.19	---	---	---	---	---	---	---	---	---
	3/16/2017	DC-18	3.24	---	---	---	---	---	---	---	---	---
	10/26/2017	DC-18	3.26	---	---	---	---	---	3.00	---	---	---
	4/20/2018	DC-18	3.31	---	---	---	---	---	3.23	---	---	---
	10/19/2018	DC-18	2.79	---	---	---	---	---	2.36	---	---	---
DC-19	6/4/2007	DC-19	0.79	---	---	---	---	---	---	---	---	---
	4/14/2008	DC-19	0.66	---	---	---	---	---	---	---	---	---
	4/4/2012	DC-19	< 2.0	---	---	---	---	---	---	---	---	---
<b>MTCA Cleanup Levels for Groundwater<sup>2</sup></b>			<b>5</b>	<b>5</b>	<b>16<sup>3</sup></b>	<b>5<sup>3</sup></b>	<b>7,200<sup>3</sup></b>	<b>5</b>	<b>14.1<sup>3</sup></b>	<b>NE</b>	<b>800<sup>3</sup></b>	<b>1,000</b>

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Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter) <sup>1</sup>									
			PCE	TCE	cis-1,2-Dichloroethene	1,2-Dichloropropane	Acetone	Benzene	Chloroform	p-Isopropyltoluene	sec-Butylbenzene	Toluene
DC-20	6/2/2008	DC-20	8.1	---	---	---	---	---	---	---	---	---
	5/30/2013	DC-20	1.7	---	---	---	---	---	---	---	---	---
	4/14/2014	DC-20	1.4	---	---	---	---	---	---	---	---	---
	10/28/2014	DC-20	< 1.0	---	---	---	---	---	---	---	---	---
	12/15/2015	DC-20	1.74	---	---	1.82	---	---	---	---	---	---
	3/15/2017	DC-20	2.00	---	---	---	---	---	---	---	---	---
	10/27/2017	DC-20	0.991	---	---	---	---	---	---	---	---	---
	4/19/2018	DC-20	1.14	---	---	---	---	---	---	---	---	---
10/19/2018	DC-20	0.885	---	---	---	---	---	0.54	---	0.60	---	
KMW-1	4/11/2006	KMW-1	< 1.0	---	---	---	---	---	---	---	---	---
	10/26/2006	KMW-1	< 1.0	---	---	---	---	---	---	---	---	---
	4/25/2007	KMW-1	< 0.2	---	---	---	---	---	---	---	---	---
	4/14/2008	KMW-1	< 0.2	---	---	---	---	---	0.450	---	---	---
	4/3/2012	KMW-1	< 2.0	---	---	---	---	---	---	---	---	---
KMW-2	6/12/2006	KMW-2	130	---	---	---	---	---	---	---	---	---
	8/8/2006	KMW-2	130	---	---	---	---	---	---	---	---	---
	10/26/2006	KMW-2	190	---	---	---	---	---	---	---	---	---
	4/24/2007	KMW-2	63	---	---	---	---	---	---	---	---	---
	4/16/2008	KMW-2	95.8	---	---	---	---	---	---	---	---	---
	3/8/2010	KMW-2	81	---	---	---	---	---	---	---	---	---
	11/3/2010	KMW-2	74	---	---	---	---	---	---	---	---	---
	6/1/2011	KMW-2	12	---	---	---	---	140	---	---	---	---
	7/20/2011	KMW-2	44	---	---	---	---	---	---	---	---	---
	10/19/2011	KMW-2	40	---	---	---	---	---	---	---	---	---
	4/6/2012	KMW-2	25	---	---	---	---	---	---	---	---	---
	5/31/2013	KMW-2	22	---	---	---	---	---	---	---	---	---
	10/29/2014	KMW-2	18	---	---	---	---	---	---	---	---	---
	12/15/2015	KMW-2	15.1	---	---	---	---	---	---	---	---	---
	12/15/2016	KMW-2	1.18	---	---	---	---	---	---	---	---	---
	3/14/2017	KMW-2	< 1.00	---	---	---	---	---	---	---	---	---
7/18/2017	KMW-2	< 1.00	---	---	---	---	---	---	---	---	---	
10/24/2017	KMW-2	< 0.500	---	---	---	---	---	---	---	---	---	
4/18/2018	KMW-2	< 0.500	---	---	---	---	---	---	---	---	---	
10/16/2018	KMW-2	< 0.500	---	---	---	---	---	---	---	---	---	
<b>MTCA Cleanup Levels for Groundwater<sup>2</sup></b>			<b>5</b>	<b>5</b>	<b>16<sup>3</sup></b>	<b>5<sup>3</sup></b>	<b>7,200<sup>3</sup></b>	<b>5</b>	<b>14.1<sup>3</sup></b>	<b>NE</b>	<b>800<sup>3</sup></b>	<b>1,000</b>

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			PCE	TCE	cis-1,2-Dichloroethene	1,2-Dichloropropane	Acetone	Benzene	Chloroform	p-Isopropyltoluene	sec-Butylbenzene	Toluene	
KMW-3	6/12/2006	KMW-3	20	---	---	---	---	---	---	---	---	---	---
	10/26/2006	KMW-3	13	---	---	---	---	---	---	---	---	---	---
	4/24/2007	KMW-3	9.9	---	---	---	---	---	---	---	---	---	---
	11/2/2010	KMW-3	11	---	---	---	---	---	---	---	---	---	---
	5/31/2011	KMW-3	6.2	---	---	---	---	---	---	---	---	---	---
	7/20/2011	KMW-3	12	---	---	---	---	---	---	---	---	---	---
	10/18/2011	KMW-3	11	---	---	---	---	---	---	---	---	---	---
	4/3/2012	KMW-3	6.8	---	---	---	---	---	---	---	---	---	---
	10/28/2014	KMW-3	< 1.0	---	---	---	---	---	---	---	---	---	---
	3/14/2017	KMW-3	3.23	---	---	---	---	---	---	---	---	---	---
	10/26/2017	KMW-3	5.78	---	---	---	---	---	---	---	---	---	---
	1/25/2018	KMW-3	4.95	---	---	---	---	---	---	---	---	---	---
	4/20/2018	KMW-3	5.37	---	---	---	---	---	---	---	---	---	---
	7/19/2018	KMW-3	5.18	---	---	---	---	---	---	---	---	---	---
10/23/2018	KMW-3	5.41	---	---	---	---	---	---	---	---	---	---	
10/25/2019	KMW-3	4.74	---	---	---	---	---	---	---	---	---	---	
12/9/2021	KMW-3	3.40	---	---	---	---	---	---	---	---	---	---	
KMW-4	4/25/2007	KMW-4	0.73	---	---	---	---	---	---	---	---	---	---
	4/3/2012	KMW-4	< 2.0	---	---	---	---	---	---	---	---	---	---
KMW-5	4/25/2007	KMW-5	0.82	---	---	---	---	---	---	---	---	---	---
	4/3/2012	KMW-5	< 2.0	---	---	---	---	---	---	---	---	---	---
KMW-6	4/24/2007	KMW-6	3.8	---	---	---	---	---	---	---	---	---	---
	4/3/2012	KMW-6	< 2.0	---	---	---	---	---	---	---	---	---	---
KMW-7	4/24/2007	KMW-7	3.8	---	---	---	---	---	---	---	---	---	---
	4/15/2008	KMW-7	3.9	---	---	---	---	---	---	---	---	---	---
	11/3/2010	KMW-7	< 2.0	---	---	---	---	---	---	---	---	---	---
	5/30/2011	KMW-7	2.3	---	---	---	---	---	---	---	---	---	---
	7/20/2011	KMW-7	< 2.0	---	---	---	---	---	---	---	---	---	---
	10/18/2011	KMW-7	< 2.0	---	---	---	---	---	---	---	---	---	---
	4/3/2012	KMW-7	3.3	---	---	---	---	---	---	---	---	---	---
	10/28/2014	KMW-7	2.0	---	---	---	---	---	---	2.8	---	---	---
	12/15/2015	KMW-7	2.17	---	---	---	---	---	---	---	---	---	---
	3/16/2017	KMW-7	1.17	---	---	---	---	---	---	---	---	---	---
	10/25/2017	KMW-7	< 0.500	---	---	---	---	---	---	---	---	---	---
	4/19/2018	KMW-7	1.59	---	---	---	---	---	---	---	---	---	---
	10/23/2018	KMW-7	0.711	---	---	---	---	---	---	---	---	---	---
10/29/2019	KMW-7	0.631	---	---	---	---	---	---	---	---	---	---	
12/10/2021	KMW-7	0.620	---	---	---	---	---	---	---	---	---	---	
<b>MTCA Cleanup Levels for Groundwater<sup>2</sup></b>			<b>5</b>	<b>5</b>	<b>16<sup>3</sup></b>	<b>5<sup>3</sup></b>	<b>7,200<sup>3</sup></b>	<b>5</b>	<b>14.1<sup>3</sup></b>	<b>NE</b>	<b>800<sup>3</sup></b>	<b>1,000</b>	

**Table 4**  
**Historical Summary of Groundwater Analytical Results**  
**Manhattan Village Shopping Center and Harris Properties**  
**Normandy Park, Washington**  
**Farallon PN: 578-002**

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter) <sup>1</sup>										
			PCE	TCE	cis-1,2-Dichloroethene	1,2-Dichloropropane	Acetone	Benzene	Chloroform	p-Isopropyltoluene	sec-Butylbenzene	Toluene	
KMW-8	4/24/2007	KMW-8	11	---	---	---	---	---	---	---	---	---	---
	4/15/2008	KMW-8	17.4	---	---	---	---	---	---	---	---	---	---
	4/3/2012	KMW-8	10	---	---	---	---	---	---	---	---	---	---
	10/28/2014	KMW-8	5.9	---	---	---	---	---	---	---	---	---	---
	12/15/2015	KMW-8	3.98	---	---	---	---	---	---	---	---	---	---
	3/16/2017	KMW-8	6.71	---	---	---	---	---	---	---	---	---	---
	7/19/2017	KMW-8	5.00	---	---	---	---	---	---	---	---	---	---
	10/26/2017	KMW-8	4.99	---	---	---	---	---	---	1.15	---	---	---
	1/25/2018	KMW-8	5.89	---	---	---	---	---	---	2.01	---	---	---
	4/19/2018	KMW-8	5.74	---	---	---	---	---	---	1.68	---	---	---
	7/19/2018	KMW-8	5.17	---	---	---	---	---	---	1.13	---	---	---
	10/23/2018	KMW-8	5.26	---	---	---	---	---	---	1.16	---	---	---
	10/28/2019	KMW-8	6.24	---	---	---	---	---	---	---	---	---	---
12/10/2021	KMW-8	1.94	---	---	---	---	---	---	---	---	---	---	
KMW-9	4/26/2007	KMW-9	9.3	---	---	---	---	---	---	---	---	---	---
	3/8/2010	KMW-9	4.4	---	---	---	---	---	---	---	---	---	---
	11/4/2010	KMW-9	2.8	---	---	---	---	---	---	---	---	---	---
	4/5/2012	KMW-9	4.0	---	---	---	---	---	---	---	---	---	---
	4/15/2014	KMW-9	1.0	---	---	---	---	---	---	---	---	---	---
	10/27/2014	KMW-9	< 1.00	---	---	---	---	---	---	---	---	---	---
	12/10/2015	KMW-9	1.47	---	---	---	---	---	---	---	---	---	---
	3/15/2017	KMW-9	2.07	---	---	---	---	---	---	---	---	---	---
	10/26/2017	KMW-9	0.770	---	---	---	---	---	---	---	---	---	---
	4/18/2018	KMW-9	1.02	---	---	---	---	---	---	---	---	---	---
10/18/2018	KMW-9	< 0.500	---	---	---	---	---	---	0.699	---	---	---	
<b>Deep Monitoring Wells</b>													
MW-19	10/29/2019	MW-19	< 0.500	---	---	---	---	---	---	0.560	---	---	---
	12/4/2019	MW-19	< 0.500	---	---	---	---	---	---	---	---	---	---
DC-5 <sup>4</sup>	2/4/1999	DC-5	2.4	---	---	---	---	---	---	---	---	---	---
	4/8/1999	DC-5	1.6	---	---	---	---	---	---	2.6	---	---	1.0
	7/25/2005	DC-5	37	---	---	---	---	---	---	---	---	---	---
	4/11/2006	DC-5	1.3	---	---	---	---	---	---	---	---	---	---
	4/26/2007	DC-5	2.1	---	---	---	---	---	---	---	---	---	---
	11/3/2010	DC-5	2.1	---	---	---	---	---	---	---	---	---	---
	5/30/2011	DC-5	< 2.0	---	---	---	---	---	---	---	---	---	---
	7/19/2011	DC-5	< 2.0	---	---	---	---	---	---	---	---	---	---
	10/18/2011	DC-5	< 2.0	---	---	---	---	---	---	---	---	---	---
	4/6/2012	DC-5	< 2.0	---	---	---	---	---	---	---	---	---	---
5/29/2013	DC-5	< 1.0	---	---	---	---	---	---	---	---	---	---	
<b>MTCA Cleanup Levels for Groundwater<sup>2</sup></b>			<b>5</b>	<b>5</b>	<b>16<sup>3</sup></b>	<b>5<sup>3</sup></b>	<b>7,200<sup>3</sup></b>	<b>5</b>	<b>14.1<sup>3</sup></b>	<b>NE</b>	<b>800<sup>3</sup></b>	<b>1,000</b>	

**Table 4**  
**Historical Summary of Groundwater Analytical Results**  
**Manhattan Village Shopping Center and Harris Properties**  
**Normandy Park, Washington**  
**Farallon PN: 578-002**

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter) <sup>1</sup>										
			PCE	TCE	cis-1,2-Dichloroethene	1,2-Dichloropropane	Acetone	Benzene	Chloroform	p-Isopropyltoluene	sec-Butylbenzene	Toluene	
DC-9B	4/8/1999	DC-9B	1.4	---	---	---	---	---	---	1.4	---	---	2.9
	3/6/2001	DC-9B	2.0	---	---	---	---	---	---	---	---	---	---
	6/20/2001	DC-9B	< 1.0	---	---	---	---	---	---	---	---	---	---
	9/17/2001	DC-9B	< 1.0	---	---	---	---	---	---	---	---	---	---
	12/20/2001	DC-9B	<b>6.4</b>	---	---	---	---	---	---	---	---	---	---
	7/25/2005	DC-9B	< 1.0	---	---	---	---	---	---	---	---	---	---
	4/11/2006	DC-9B	< 1.0	---	---	---	---	---	---	---	---	---	---
	8/8/2006	DC-9B	< 1.0	---	---	---	---	---	---	---	---	---	---
	10/26/2006	DC-9B	< 1.0	---	---	---	---	---	---	---	---	---	---
	4/26/2007	DC-9B	< 0.2	---	---	---	---	---	---	---	---	---	---
	4/15/2008	DC-9B	0.60	---	---	---	---	---	---	---	---	---	---
---	---	Monitoring well decommissioned											
DC-10B	4/8/1999	DC-10B	1.8	---	---	---	---	---	---	1.2	---	---	1.9
	3/6/2001	DC-10B	3.3	1.7	---	---	---	---	---	---	---	---	---
	6/20/2001	DC-10B	2.4	---	---	---	---	---	---	---	---	---	---
	9/17/2001	DC-10B	< 1.0	---	---	---	---	---	---	---	---	---	---
	12/20/2001	DC-10B	< 1.0	---	---	---	---	---	---	---	---	---	---
	7/25/2005	DC-10B	< 1.0	---	---	---	---	---	---	---	---	---	---
	4/11/2006	DC-10B	< 1.0	---	---	---	---	---	---	---	---	---	---
	4/26/2007	DC-10B	0.34	---	---	---	---	---	---	---	---	---	---
	11/3/2010	DC-10B	2.6	---	---	---	---	---	---	---	---	---	---
	5/30/2011	DC-10B	< 2.0	---	---	---	---	290	---	---	---	---	---
	7/19/2011	DC-10B	< 2.0	---	---	---	---	54	---	---	---	---	---
10/18/2011	DC-10B	< 2.0	---	---	---	---	31	---	---	---	---	---	
4/6/2012	DC-10B	< 2.0	---	---	---	---	---	---	---	---	---	---	
<b>MTCA Cleanup Levels for Groundwater<sup>2</sup></b>			<b>5</b>	<b>5</b>	<b>16<sup>3</sup></b>	<b>5<sup>3</sup></b>	<b>7,200<sup>3</sup></b>	<b>5</b>	<b>14.1<sup>3</sup></b>	<b>NE</b>	<b>800<sup>3</sup></b>	<b>1,000</b>	

**Table 4  
Historical Summary of Groundwater Analytical Results  
Manhattan Village Shopping Center and Harris Properties  
Normandy Park, Washington  
Farallon PN: 578-002**

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter) <sup>1</sup>									
			PCE	TCE	cis-1,2-Dichloroethene	1,2-Dichloropropane	Acetone	Benzene	Chloroform	p-Isopropyltoluene	sec-Butylbenzene	Toluene
DC-16	4/25/2007	DC-16	0.42	---	---	---	---	---	---	---	---	---
	11/5/2010	DC-16	< 2.0	---	---	---	---	---	---	---	---	---
	5/31/2011	DC-16	< 2.0	---	---	---	---	---	---	---	---	---
	7/19/2011	DC-16	< 2.0	---	---	---	---	---	---	---	---	---
	10/18/2011	DC-16	< 2.0	---	---	---	---	---	---	---	---	---
	4/6/2012	DC-16	< 2.0	---	---	---	---	---	---	---	---	---
KMW-5D	4/25/2007	KMW-5D	< 0.2	---	---	---	---	---	---	---	---	---
	4/3/2012	KMW-5D	< 2.0	---	---	---	---	---	---	---	---	---
<b>MTCA Cleanup Levels for Groundwater<sup>2</sup></b>			<b>5</b>	<b>5</b>	<b>16<sup>3</sup></b>	<b>5<sup>3</sup></b>	<b>7,200<sup>3</sup></b>	<b>5</b>	<b>14.1<sup>3</sup></b>	<b>NE</b>	<b>800<sup>3</sup></b>	<b>1,000</b>

**NOTES:**

Results in **bold** and highlighted **yellow** denote concentrations exceeding applicable cleanup levels.

< denotes analyte not detected at or exceeding the reporting limit listed.

--- denotes sample not analyzed or information unknown.

<sup>1</sup> Analyzed by U.S. Environmental Protection Agency (EPA) Method 8260B. Samples collected in 2024 analyzed by EPA Method 8260D; detected and select analytes shown in table, see lab report for full list of analytes.

<sup>2</sup> Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Method A Cleanup Levels for Groundwater, Table 720-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, as revised 2013, unless otherwise noted.

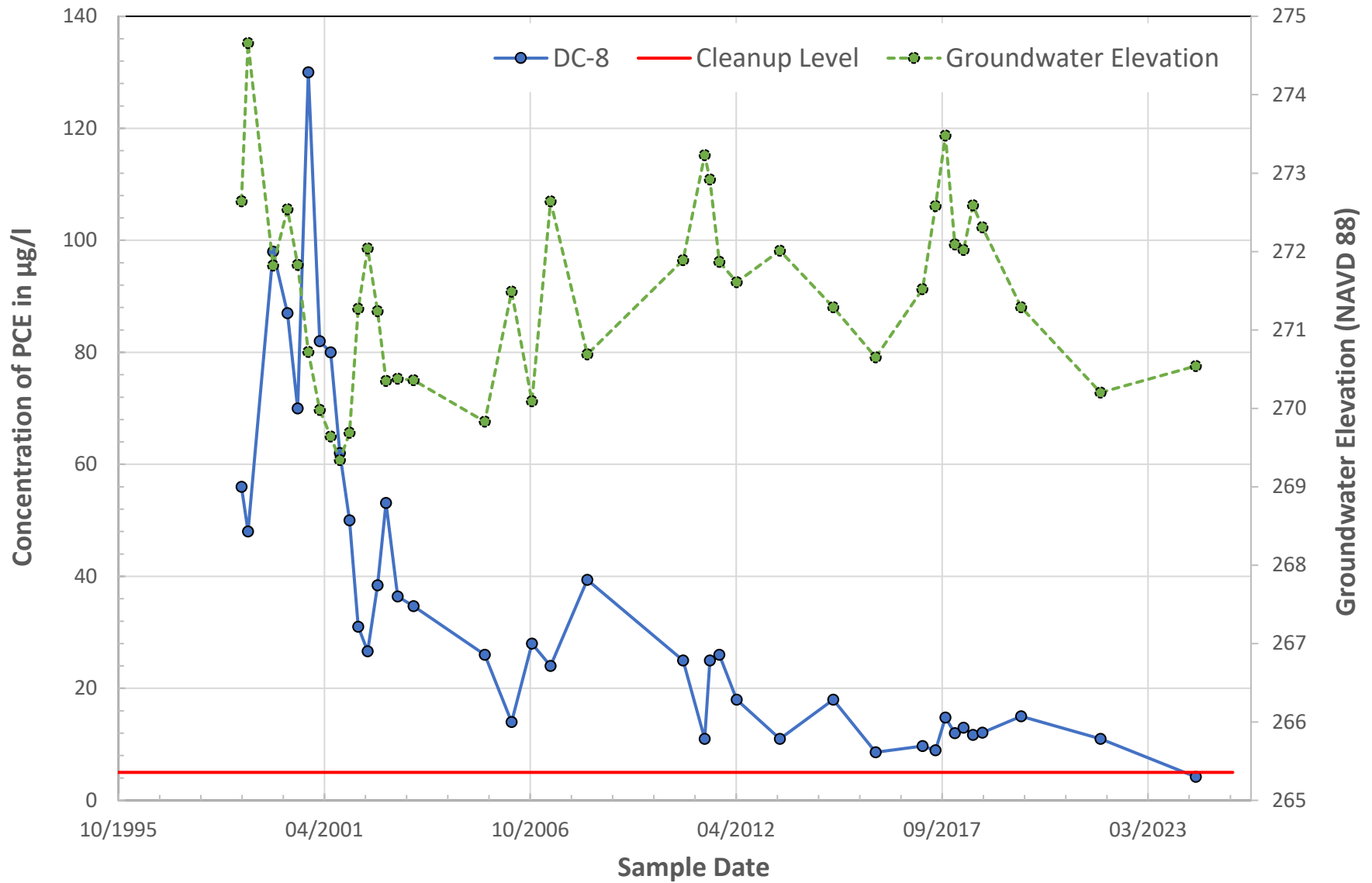
<sup>3</sup> Washington State Model Toxics Control Act Cleanup Regulation Cleanup Levels and Risk Calculations, Method B Potable Groundwater Cleanup Level, <https://ecology.wa.gov/Regulations-Permits/Guidance-technical-assistance/Contamination-clean-up-tools/CLARC>

<sup>4</sup> Review of historical results indicate that DC-17 was inadvertently sampled as DC-5 in 2010, 2011 and 2012. This table reports the 2010 - 2012 DC-17 data as DC-5.

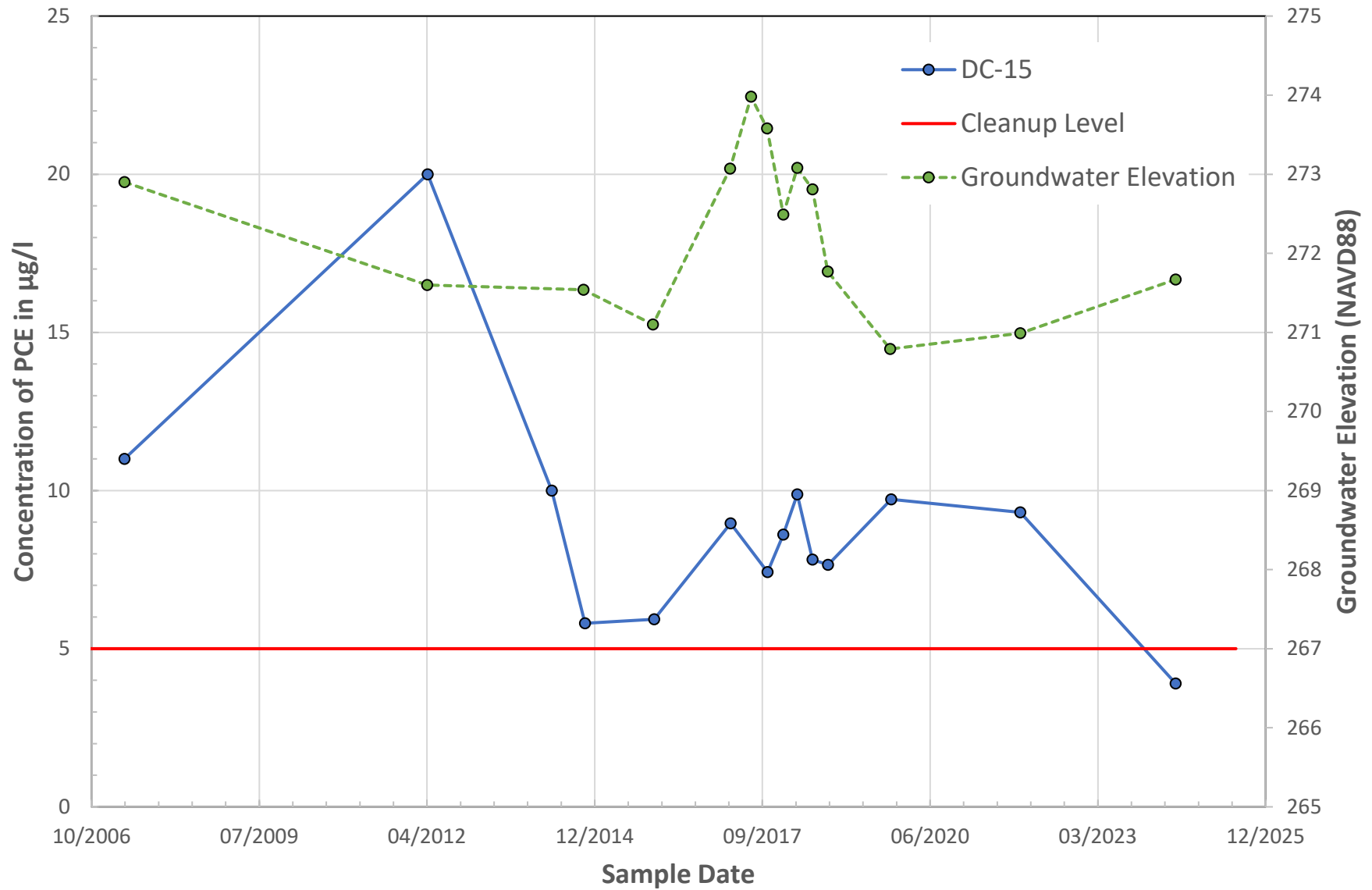
J = result is an estimate

NE = not established

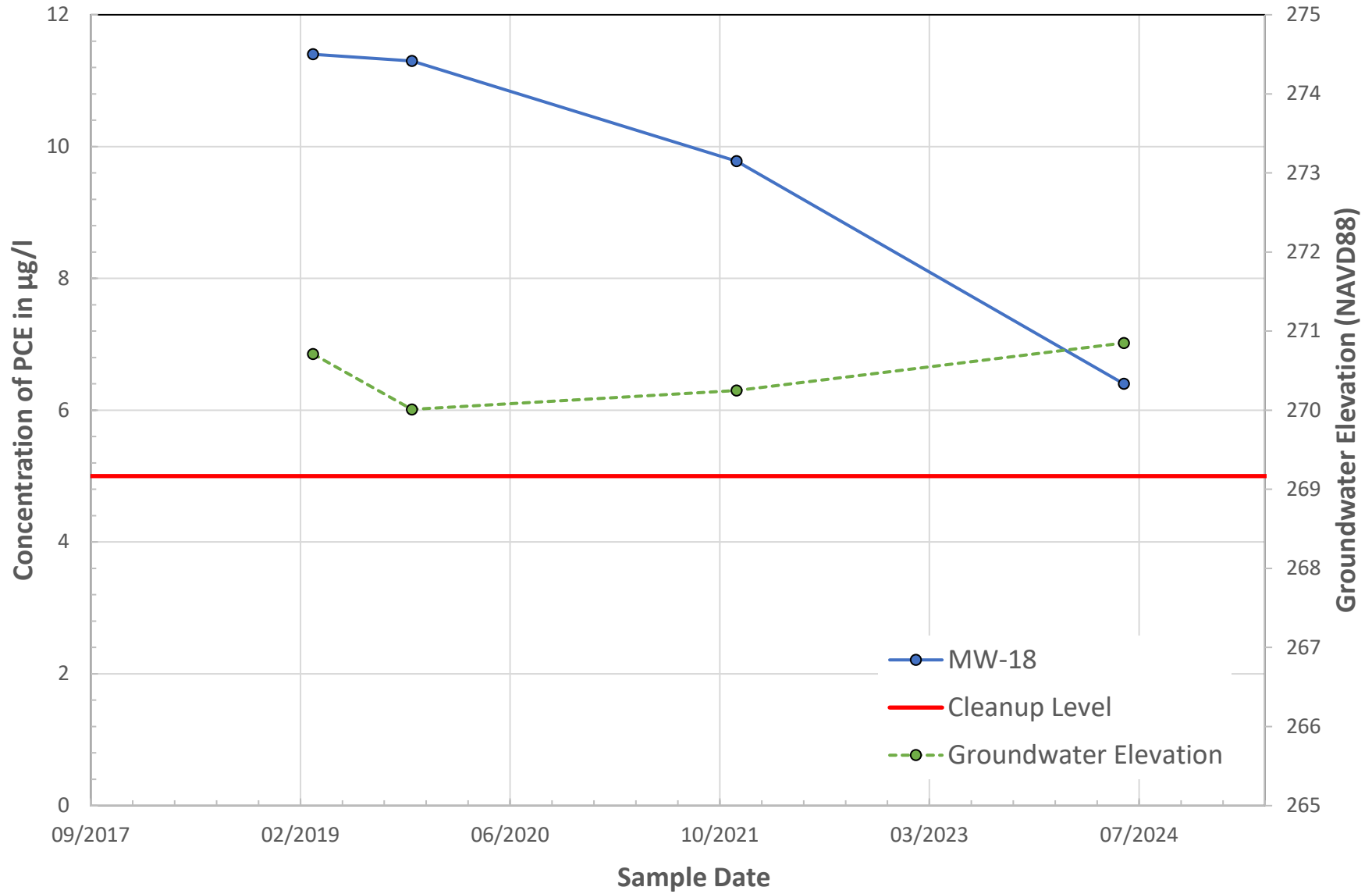
DC-8 Concentrations of PCE in Groundwater



DC-15 Concentrations of PCE in Groundwater



### MW-18 Concentrations of PCE in Groundwater



**ATTACHMENT A  
LABORATORY ANALYTICAL REPORTS**

STATUS REPORT – JULY 2023 THROUGH JULY 2024  
Manhattan Village Shopping Center and Harris Properties  
17847, 17855, and 17817 First Avenue South  
Normandy Park, Washington

Farallon PN: 578-002

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.  
Yelena Aravkina, M.S.  
Michael Erdahl, B.S.  
Vineta Mills, M.S.  
Eric Young, B.S.

5500 4th Ave South  
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June 28, 2024

Eric Buer, Project Manager  
Farallon Consulting, LLC  
975 5<sup>th</sup> Avenue Northwest  
Issaquah, WA 98027

Dear Mr Buer:

Included are the results from the testing of material submitted on June 21, 2024 from the Manhattan Village 578-002, F&BI 406313 project. There are 11 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl  
Project Manager

Enclosures

c: Farallon Data, Brianne Goulet  
FLN0628R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on June 21, 2024 by Friedman & Bruya, Inc. from the Farallon Consulting, LLC Manhattan Village 578-002, F&BI 406313 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Farallon Consulting, LLC</u>
406313 -01	MW-18-062024
406313 -02	MW-9-062024
406313 -03	MW-10-062024
406313 -04	MW-20-062024
406313 -05	DC-15-062024
406313 -06	DC-8-062024
406313 -07	DC-808
406313 -08	Trip Blank

All quality control requirements were acceptable.

# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

### Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW-18-062024	Client:	Farallon Consulting, LLC
Date Received:	06/21/24	Project:	Manhattan Village 578-002
Date Extracted:	06/25/24	Lab ID:	406313-01
Date Analyzed:	06/25/24	Data File:	062516.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	78	126
Toluene-d8	104	84	115
4-Bromofluorobenzene	106	72	130

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<0.2
1,1,1-Trichloroethane	<1
Trichloroethene	<0.5
Tetrachloroethene	6.4

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW-9-062024	Client:	Farallon Consulting, LLC
Date Received:	06/21/24	Project:	Manhattan Village 578-002
Date Extracted:	06/25/24	Lab ID:	406313-02
Date Analyzed:	06/25/24	Data File:	062510.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	78	126
Toluene-d8	103	84	115
4-Bromofluorobenzene	103	72	130

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<0.2
1,1,1-Trichloroethane	<1
Trichloroethene	<0.5
Tetrachloroethene	<1

# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

### Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW-10-062024	Client:	Farallon Consulting, LLC
Date Received:	06/21/24	Project:	Manhattan Village 578-002
Date Extracted:	06/25/24	Lab ID:	406313-03
Date Analyzed:	06/25/24	Data File:	062511.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	78	126
Toluene-d8	102	84	115
4-Bromofluorobenzene	101	72	130

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<0.2
1,1,1-Trichloroethane	<1
Trichloroethene	<0.5
Tetrachloroethene	1.5

# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

### Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW-20-062024	Client:	Farallon Consulting, LLC
Date Received:	06/21/24	Project:	Manhattan Village 578-002
Date Extracted:	06/25/24	Lab ID:	406313-04
Date Analyzed:	06/25/24	Data File:	062512.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	78	126
Toluene-d8	103	84	115
4-Bromofluorobenzene	104	72	130

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<0.2
1,1,1-Trichloroethane	<1
Trichloroethene	<0.5
Tetrachloroethene	<1

# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

### Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	DC-15-062024	Client:	Farallon Consulting, LLC
Date Received:	06/21/24	Project:	Manhattan Village 578-002
Date Extracted:	06/25/24	Lab ID:	406313-05
Date Analyzed:	06/25/24	Data File:	062513.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	106	78	126
Toluene-d8	102	84	115
4-Bromofluorobenzene	106	72	130

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<0.2
1,1,1-Trichloroethane	<1
Trichloroethene	<0.5
Tetrachloroethene	3.9

# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

### Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	DC-8-062024	Client:	Farallon Consulting, LLC
Date Received:	06/21/24	Project:	Manhattan Village 578-002
Date Extracted:	06/25/24	Lab ID:	406313-06
Date Analyzed:	06/25/24	Data File:	062515.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	95	78	126
Toluene-d8	103	84	115
4-Bromofluorobenzene	104	72	130

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<0.2
1,1,1-Trichloroethane	<1
Trichloroethene	<0.5
Tetrachloroethene	4.2

# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

### Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	DC-808	Client:	Farallon Consulting, LLC
Date Received:	06/21/24	Project:	Manhattan Village 578-002
Date Extracted:	06/25/24	Lab ID:	406313-07
Date Analyzed:	06/25/24	Data File:	062514.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	103	78	126
Toluene-d8	100	84	115
4-Bromofluorobenzene	103	72	130

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<0.2
1,1,1-Trichloroethane	<1
Trichloroethene	<0.5
Tetrachloroethene	4.0

# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

### Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Manhattan Village 578-002
Date Extracted:	06/25/24	Lab ID:	04-1329 mb
Date Analyzed:	06/25/24	Data File:	062509.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	103	78	126
Toluene-d8	103	84	115
4-Bromofluorobenzene	101	72	130

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<0.2
1,1,1-Trichloroethane	<1
Trichloroethene	<0.5
Tetrachloroethene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/28/24

Date Received: 06/21/24

Project: Manhattan Village 578-002, F&BI 406313

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER  
SAMPLES FOR VOLATILES BY EPA METHOD 8260D**

Laboratory Code: 406313-03 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent	Acceptance
				Recovery MS	Criteria
Vinyl chloride	ug/L (ppb)	10	<0.02	115	50-150
Chloroethane	ug/L (ppb)	10	<1	108	50-150
1,1-Dichloroethene	ug/L (ppb)	10	<1	102	50-150
Methylene chloride	ug/L (ppb)	10	<5	97	50-150
trans-1,2-Dichloroethene	ug/L (ppb)	10	<1	105	50-150
1,1-Dichloroethane	ug/L (ppb)	10	<1	104	50-150
cis-1,2-Dichloroethene	ug/L (ppb)	10	<1	103	10-211
1,2-Dichloroethane (EDC)	ug/L (ppb)	10	<0.2	107	50-150
1,1,1-Trichloroethane	ug/L (ppb)	10	<1	102	50-150
Trichloroethene	ug/L (ppb)	10	<0.5	99	35-149
Tetrachloroethene	ug/L (ppb)	10	1.5	103	50-150

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent	Percent	Acceptance Criteria	RPD (Limit 20)
			Recovery LCS	Recovery LCSD		
Vinyl chloride	ug/L (ppb)	10	112	117	64-142	4
Chloroethane	ug/L (ppb)	10	109	114	70-130	4
1,1-Dichloroethene	ug/L (ppb)	10	98	100	64-140	2
Methylene chloride	ug/L (ppb)	10	97	100	43-134	3
trans-1,2-Dichloroethene	ug/L (ppb)	10	99	100	70-130	1
1,1-Dichloroethane	ug/L (ppb)	10	97	100	70-130	3
cis-1,2-Dichloroethene	ug/L (ppb)	10	99	102	70-130	3
1,2-Dichloroethane (EDC)	ug/L (ppb)	10	104	104	70-130	0
1,1,1-Trichloroethane	ug/L (ppb)	10	98	100	70-130	2
Trichloroethene	ug/L (ppb)	10	99	100	70-130	1
Tetrachloroethene	ug/L (ppb)	10	99	102	70-130	3

# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

### **Data Qualifiers & Definitions**

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for the analyte were outside of acceptance criteria, biased low; or, the calibration results for the analyte were outside of acceptance criteria, biased high, with a detection for the analyte in the sample. The value reported is an estimate.
- c - The presence of the analyte may be due to carryover from previous sample injections.
- cf - The sample was centrifuged prior to analysis.
- d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv - Insufficient sample volume was available to achieve normal reporting limits.
- f - The sample was laboratory filtered prior to analysis.
- fb - The analyte was detected in the method blank.
- fc - The analyte is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs - Headspace was present in the container used for analysis.
- ht - The analysis was performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of control limits due to sample matrix effects.
- j - The analyte concentration is reported below the standard reporting limit. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- k - The calibration results for the analyte were outside of acceptance criteria, biased high, and the analyte was not detected in the sample.
- lc - The presence of the analyte is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

406313

SAMPLE CHAIN OF CUSTODY 06/21/24 VW2

Page # 1 of 1

Report To Eric Buer + Brienne Foulet

Company Farallon

Address 475 5th Ave NE

City, State, ZIP Issaquah WA 98027

Phone (425)295-0800 Email EricBuer@farallon.com

SAMPLERS (signature) SK + IA

PROJECT NAME Manhattan Village

REMARKS Manhattan Village

INVOICE TO A-C

Project specific RIs? - Yes / No

TURNAROUND TIME  
 Standard turnaround  
 RUSH  
Rush charges authorized by: \_\_\_\_\_

SAMPLE DISPOSAL  
 Archive samples  
 Other \_\_\_\_\_  
Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED							Notes		
						NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	WOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082			
MM-18-062024	01A-C	6-20-24	1220	water	3										
MM-9-062024	02		1355		1										
MM-10-062024	03		1545		1										
MM-20-062024	04		1750		1										
DI-15-062024	05		1900		1										
DI-8-062024	06		1546		1										
DC-808	07		1545		1										
Trip blank	08A-B			Water	2										Added at lab AP 06/21
															Samples received at 0°C

SIGNATURE PRINT NAME COMPANY DATE TIME

Relinquished by: Isabella Ancora Isabella Ancora Farallon 6/21/24 1120

Received by: AW ANH PHAN FBI 06/21/24 11:20

Relinquished by: Received by:

Friedman & Bruya, Inc.  
Ph. (206) 285-8282

SAMPLE CONDITION UPON RECEIPT CHECKLIST

PROJECT # 406313 CLIENT FLN INITIALS/ DATE: AP 06/21/24

If custody seals are present on cooler, are they intact?  NA  YES  NO

Cooler/Sample temperature 0 °C  
Thermometer ID: Fluke 96312917

Were samples received on ice/cold packs?  YES  NO

How did samples arrive?  
 Over the Counter  Picked up by F&BI  FedEx/UPS/GSO

Is there a Chain-of-Custody\* (COC)?  YES  NO Initials/ Date: AP 06/21/24  
\*or other representative documents, letters, and/or shipping memos

Number of days samples have been sitting prior to receipt at laboratory 1 days

Are the samples clearly identified? (explain "no" answer below)  YES  NO

Were all sample containers received intact (i.e. not broken, leaking etc.)? (explain "no" answer below)  YES  NO

Were appropriate sample containers used?  YES  NO  Unknown

If custody seals are present on samples, are they intact?  NA  YES  NO

Are samples requiring no headspace, headspace free?  NA  YES  NO

Is the following information provided on the COC, and does it match the sample label? (explain "no" answer below)

- Sample ID's  Yes  No \_\_\_\_\_  Not on COC/label
- Date Sampled  Yes  No \_\_\_\_\_  Not on COC/label
- Time Sampled  Yes  No \_\_\_\_\_  Not on COC/label
- # of Containers  Yes  No Added Trip Blank at lab
- Relinquished  Yes  No \_\_\_\_\_
- Requested analysis  Yes  On Hold \_\_\_\_\_

Other comments (use a separate page if needed)  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Air Samples: Were any additional canisters/tubes received?  NA  YES  NO

Number of unused TO15 canisters \_\_\_\_\_ Number of unused TO17 tubes \_\_\_\_\_

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.  
Yelena Aravkina, M.S.  
Michael Erdahl, B.S.  
Vineta Mills, M.S.  
Eric Young, B.S.

5500 4th Ave South  
Seattle, WA 98108-2419  
(206) 285-8282  
office@friedmanandbruya.com  
www.friedmanandbruya.com

May 3, 2024

Brianne Goulet, Project Manager  
Farallon Consulting, LLC  
975 5<sup>th</sup> Avenue Northwest  
Issaquah, WA 98027

Dear Ms Goulet:

Included are the results from the testing of material submitted on April 25, 2024 from the Manhattan Village 578-002, F&BI 404412 project. There are 8 pages included in this report.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl  
Project Manager

Enclosures  
c: Farallon Data, Sarah Snyder  
FLN0503R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on April 25, 2024 by Friedman & Bruya, Inc. from the Farallon Consulting, LLC Manhattan Village 578-002, F&BI 404412 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Farallon Consulting, LLC</u>
404412 -01	SVS-10-042524
404412 -02	SVS-11-042524
404412 -03	SVS-18-042524
404412 -04	SVS-13-042524

Sample SVS-18-042524 contained tetrachloroethene above the instrument calibration range. The data were flagged accordingly.

All other quality control requirements were acceptable.

# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

### Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	SVS-11-042524	Client:	Farallon Consulting, LLC
Date Received:	04/25/24	Project:	Manhattan Village 578-002, F&BI 404412
Date Collected:	04/25/24	Lab ID:	404412-02 1/8.3
Date Analyzed:	04/26/24	Data File:	042614.D
Matrix:	Air	Instrument:	GCMS8
Units:	ug/m3	Operator:	bat

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
4-Bromofluorobenzene	88	70	130

Compounds:	Concentration	
	ug/m3	ppbv
Vinyl chloride	<2.1	<0.83
Chloroethane	<22	<8.3
1,1-Dichloroethene	<3.3	<0.83
trans-1,2-Dichloroethene	<3.3	<0.83
1,1-Dichloroethane	<3.4	<0.83
cis-1,2-Dichloroethene	<3.3	<0.83
1,2-Dichloroethane (EDC)	<0.34	<0.083
1,1,1-Trichloroethane	7.0	1.3
Trichloroethene	<0.89	<0.17
1,1,2-Trichloroethane	<0.45	<0.083
Tetrachloroethene	540	80

# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

### Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	SVS-18-042524	Client:	Farallon Consulting, LLC
Date Received:	04/25/24	Project:	Manhattan Village 578-002, F&BI 404412
Date Collected:	04/25/24	Lab ID:	404412-03 1/8.5
Date Analyzed:	04/26/24	Data File:	042616.D
Matrix:	Air	Instrument:	GCMS8
Units:	ug/m3	Operator:	bat

	%	Lower	Upper
Surrogates:	Recovery:	Limit:	Limit:
4-Bromofluorobenzene	86	70	130

Compounds:	Concentration	
	ug/m3	ppbv
Vinyl chloride	<2.2	<0.85
Chloroethane	<22	<8.5
1,1-Dichloroethene	<3.4	<0.85
trans-1,2-Dichloroethene	<3.4	<0.85
1,1-Dichloroethane	<3.4	<0.85
cis-1,2-Dichloroethene	<3.4	<0.85
1,2-Dichloroethane (EDC)	<0.34	<0.085
1,1,1-Trichloroethane	<4.6	<0.85
Trichloroethene	<0.91	<0.17
1,1,2-Trichloroethane	<0.46	<0.085
Tetrachloroethene	920 ve	140 ve

# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

### Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	SVS-13-042524	Client:	Farallon Consulting, LLC
Date Received:	04/25/24	Project:	Manhattan Village 578-002, F&BI 404412
Date Collected:	04/25/24	Lab ID:	404412-04 1/8.6
Date Analyzed:	04/26/24	Data File:	042615.D
Matrix:	Air	Instrument:	GCMS8
Units:	ug/m3	Operator:	bat

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
4-Bromofluorobenzene	92	70	130

Compounds:	Concentration	
	ug/m3	ppbv
Vinyl chloride	<2.2	<0.86
Chloroethane	<23	<8.6
1,1-Dichloroethene	<3.4	<0.86
trans-1,2-Dichloroethene	<3.4	<0.86
1,1-Dichloroethane	<3.5	<0.86
cis-1,2-Dichloroethene	<3.4	<0.86
1,2-Dichloroethane (EDC)	<0.35	<0.086
1,1,1-Trichloroethane	<4.7	<0.86
Trichloroethene	<0.92	<0.17
1,1,2-Trichloroethane	<0.47	<0.086
Tetrachloroethene	700	100

# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

### Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Manhattan Village 578-002, F&BI 404412
Date Collected:	04/26/24	Lab ID:	04-0964 mb
Date Analyzed:	04/26/24	Data File:	042613.D
Matrix:	Air	Instrument:	GCMS8
Units:	ug/m3	Operator:	bat

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
4-Bromofluorobenzene	90	70	130

Compounds:	Concentration	
	ug/m3	ppbv
Vinyl chloride	<0.26	<0.1
Chloroethane	<2.6	<1
1,1-Dichloroethene	<0.4	<0.1
trans-1,2-Dichloroethene	<0.4	<0.1
1,1-Dichloroethane	<0.4	<0.1
cis-1,2-Dichloroethene	<0.4	<0.1
1,2-Dichloroethane (EDC)	<0.04	<0.01
1,1,1-Trichloroethane	<0.55	<0.1
Trichloroethene	<0.11	<0.02
1,1,2-Trichloroethane	<0.055	<0.01
Tetrachloroethene	<6.8	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/03/24

Date Received: 04/25/24

Project: Manhattan Village 578-002, F&BI 404412

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES  
FOR VOLATILES BY METHOD TO-15**

Laboratory Code: 404443-01 1/5.1 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	RPD (Limit 30)
Vinyl chloride	ug/m3	<1.3	<1.3	nm
Chloroethane	ug/m3	<13	<13	nm
1,1-Dichloroethene	ug/m3	<2	<2	nm
trans-1,2-Dichloroethene	ug/m3	<2	<2	nm
1,1-Dichloroethane	ug/m3	<2.1	<2.1	nm
cis-1,2-Dichloroethene	ug/m3	<2	<2	nm
1,2-Dichloroethane (EDC)	ug/m3	<0.21	<0.21	nm
1,1,1-Trichloroethane	ug/m3	<2.8	<2.8	nm
Trichloroethene	ug/m3	<0.55	<0.55	nm
1,1,2-Trichloroethane	ug/m3	<0.28	<0.28	nm
Tetrachloroethene	ug/m3	<35	<35	nm

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/03/24

Date Received: 04/25/24

Project: Manhattan Village 578-002, F&BI 404412

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES  
FOR VOLATILES BY METHOD TO-15**

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Vinyl chloride	ug/m3	35	94	70-130
Chloroethane	ug/m3	36	97	70-130
1,1-Dichloroethene	ug/m3	54	99	70-130
trans-1,2-Dichloroethene	ug/m3	54	100	70-130
1,1-Dichloroethane	ug/m3	55	104	70-130
cis-1,2-Dichloroethene	ug/m3	54	95	70-130
1,2-Dichloroethane (EDC)	ug/m3	55	104	70-130
1,1,1-Trichloroethane	ug/m3	74	101	70-130
Trichloroethene	ug/m3	73	102	70-130
1,1,2-Trichloroethane	ug/m3	74	109	70-130
Tetrachloroethene	ug/m3	92	103	70-130

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

**Data Qualifiers & Definitions**

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for the analyte were outside of acceptance criteria, biased low; or, the calibration results for the analyte were outside of acceptance criteria, biased high, with a detection for the analyte in the sample. The value reported is an estimate.
- c - The presence of the analyte may be due to carryover from previous sample injections.
- cf - The sample was centrifuged prior to analysis.
- d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv - Insufficient sample volume was available to achieve normal reporting limits.
- f - The sample was laboratory filtered prior to analysis.
- fb - The analyte was detected in the method blank.
- fc - The analyte is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs - Headspace was present in the container used for analysis.
- ht - The analysis was performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of control limits due to sample matrix effects.
- j - The analyte concentration is reported below the standard reporting limit. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- k - The calibration results for the analyte were outside of acceptance criteria, biased high, and the analyte was not detected in the sample.
- lc - The presence of the analyte is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

404412 Branne Gallet,  
Sarah Snyder

SAMPLE CHAIN OF CUSTODY

04/25/24

Page # 1 of 1

Report To Sarah Snyder

Company Phallon

Address \_\_\_\_\_

City, State, ZIP \_\_\_\_\_

Phone \_\_\_\_\_

B Gallet, SS Miller  
Email BGallet@phallon.com

SAMPLERS (signature) Sarah Miller

PROJECT NAME & ADDRESS MWH/Utter Wilcox

PO # 578-002

NOTES: AP

INVOICE TO AP

Standard    
 RUSH    
 Rush charges authorized by: \_\_\_\_\_

SAMPLE DISPOSAL   
 Default: Clean following   
 final report delivery   
 Hold (Fee may apply): \_\_\_\_\_

SAMPLE INFORMATION ANALYSIS REQUESTED

Sample Name	Lab ID	Canister ID	Flow Cont. ID	Reporting Level: IA=Indoor Air SG=Soil Gas (Circle One)	Date Sampled	Initial Vac. ("Hg)	Field Initial Time	Final Vac. ("Hg)	Field Final Time	TO15 Full Scan	TO15 BTEXN	TO15 cVOCs	APH	Helium	Notes
SIS-10-043524	01	2245	17	IA / SG	4/25/24	30+	1102	3.5	1109			X			Do not analyze
SIS-11-043524	02	8098	18	IA / SG	4/25/24	30+	1130	5.0	1137			X			
SIS-18-043524	03	8210	111	IA / SG	4/25/24	29.5	1345	5.0	1350			X			
SIS-13-043524	04	8537	01	IA / SG	4/25/24	29.5	1424	5.0	1431			X			
				IA / SG											
				IA / SG											
				IA / SG											
				IA / SG											
				IA / SG											
				IA / SG											
				IA / SG											

Samples received at 17 °C

Friedman & Bruyno, Inc.

5500 4th Avenue South

Seattle, WA 98108

Ph. (206) 285-8282

Fax (206) 283-5044

FORMS\COC\COCCTO-15.DOC

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
<u>Sarah Miller</u>	<u>Baader Winters</u>	<u>Phallon</u>	<u>4/25/24</u>	<u>1630</u>
<u>AP</u>	<u>ANH PHAN</u>	<u>ESB</u>	<u>04/25/24</u>	<u>16:36</u>
Received by:				
Relinquished by:				

SAMPLE CONDITION UPON RECEIPT CHECKLIST

PROJECT # 404412 CLIENT FLN INITIALS/ DATE: AP 04/25/24

If custody seals are present on cooler, are they intact? [X] NA [ ] YES [ ] NO

Cooler/Sample temperature 17 °C Thermometer ID: Fluke 96312917

Were samples received on ice/cold packs? [ ] YES [X] NO

How did samples arrive? [X] Over the Counter [ ] Picked up by F&BI [ ] FedEx/UPS/GSO

Number of days samples have been sitting prior to receipt at laboratory 0 days

Is there a Chain-of-Custody\* (COC)? [X] YES [ ] NO \*or other representative documents, letters, and/or shipping memos

Are the samples clearly identified? (explain "no" answer below) [X] YES [ ] NO

Is the following information provided on the COC\* ? (explain "no" answer below)

Sample ID's [X] Yes [ ] No # of Containers [X] Yes [ ] No Date Sampled [X] Yes [ ] No Relinquished [X] Yes [ ] No Time Sampled [X] Yes [ ] No Requested analysis [X] Yes [ ] No

Were all sample containers received intact (i.e. not broken, leaking etc.)? (explain "no" answer below) [X] YES [ ] NO

Were appropriate sample containers used? [X] YES [ ] NO [ ] Unknown

If custody seals are present on samples, are they intact? [X] NA [ ] YES [ ] NO

Are samples requiring no headspace, headspace free? [X] NA [ ] YES [ ] NO

Air Samples: Were any additional canisters/tubes received? [ ] NA [ ] YES [X] NO

If Yes: Number of unused TO15 canisters \_\_\_\_\_ Number of unused TO17 tubes \_\_\_\_\_

Explain "no" items from above (use the back if needed)