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Site Management Plan, Unisys/L3 Harris Technologies Salt Lake City Facility, EPA ID UTD009073214

1 message

Brian Smith <BSmith@geosyntec.com>

Tue, Jan 16, 2024 at 5:11 PM

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Cc: "hzhu@utah.gov" <hzhu@utah.gov>, "Etter, Terry R." <terry.etter@unisys.com>

DWMRC Electronic File Submittal,

Please find the attached Site Management Plan for the above referenced facility. If you have any questions please let me know.

Regards,

Brian Smith, P.G. (UT)

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SITE MANAGEMENT PLAN

Unisys/L3 Harris Technologies Salt Lake City Facility
322 North 2200 West
Salt Lake City, Utah
EPA ID# UTD009073214

Prepared for

Unisys Corporation

Corporate Environmental Affairs
3199 Pilot Knob Road, MS F1B05
Eagan, Minnesota 55121

Prepared by

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Project SLC1047

January 2024

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ACRONYMS AND ABBREVIATIONS

bgs	Below ground surface
COCs	Constituents of Concern
1,1 DCA	1,1 Dichloroethane
DWMRC	Division of Waste Management and Radiation Control
EC	Environmental Covenant
MNA	Monitored Natural Attenuation
SMP	Site Management Plan
SRGs	Site Remediation Goals
TCE	Trichloroethene
USEPA	United States Environmental Protection Agency
VISL	Vapor Intrusion Screening Level
VOC	Volatile Organic Compound

1. INTRODUCTION

On behalf of Unisys Corporation (Unisys) and L3Harris Technologies, Inc. (L3Harris), Geosyntec Consultants, Inc (Geosyntec) has prepared the following Site Management Plan (SMP) for the Unisys/L3Harris Salt Lake City Facility (Site) located at 322 North 2200 West in Salt Lake City, Utah. The SMP has been prepared in response to the Utah Division of Waste Management and Radiation Control's (DWMRC's) letter to Unisys dated April 22, 2021. The SMP has been prepared to establish appropriate site management controls and land use limitations to address residual chlorinated volatile organic compounds (VOCs) concentrations present in groundwater at the Site. The general site management approach and institutional controls that will be implemented as part of the SMP were discussed during a conference call with the DWMRC on February 10, 2022.

1.1 Site Location and Description

The Site is located within the 79-acre Airport Technology Park, which is located 3 miles west-northwest of downtown Salt Lake City, Utah. The location and general layout of the Site are depicted on Figures 1 and 2, respectively. Parcel boundaries for the Site are shown on Figure 3. Legal descriptions for the parcels comprising the Site are provided in Appendix A.

As shown on Figures 1 and 2, the Site is bounded by 2200 West Street and the Salt Lake City International Airport on the west, other portions of the Airport Technology Park to the north, the Brighton Canal and Interstate Highway I-215 to the east, and various commercial and light industrial businesses to the south. The Site is zoned by Salt Lake City for C-2 usage, which allows for a wide range of commercial, business, and light industrial uses. Currently, the property is owned by Bay Bridge/Corporate LLC, doing business as Drawbridge Realty, as part of the Airport Technology Park and is managed by Cushman & Wakefield. Land use in the surrounding area is dominated primarily by commercial and light industrial businesses. The nearest residential properties are located across Interstate Highway I-215, approximately 500 feet east of the Site.

Current manufacturing operations in the area of the residual VOC concentrations are limited to activities by L3Harris, which leases Buildings C and D and other buildings within the wider Airport Technology Park. Building C, which historically contained Unisys's Printed Circuit Facility, is where the highest concentrations of residual VOCs remain in groundwater. Unisys's current operations are limited to Building B.

2. SITE HISTORY AND PREVIOUS WORK

2.1 Site Geology and Hydrogeology

The Site is underlain by poorly drained flood plain and delta complex sediments which, have incised and reworked older Lake Bonneville sediments (Unisys 2020). The sediments beneath the Site consist of a mixture of clay, silt, and fine sand with spotty lenses of coarse sand. The sediments act as a single unconfined water bearing unit which is unusable as a drinking water source due to naturally high concentration of total suspended solids and very low well yields. The unconfined saturated aquifer beneath the Site has been divided into upper and lower zones. The shallow zone generally ranges from 0 to 15 feet below ground surface (bgs) and the deep zone generally ranges from 15 to 25 feet bgs. The unconfined aquifer is believed to be separated from a deeper confined aquifer by at least 40 feet of clay, silt, and fine sand which act as an aquitard. The confined aquifer is under artesian conditions and begins at approximately 50 feet bgs (Unisys 2020).

2.2 Site Investigation and Corrective Actions

Pursuant to the Stipulated Consent Agreement issued by these State of Utah in 1989, Unisys completed several soil and groundwater investigations at the Site to address potential areas of environmental concern identified in the vicinity of a former chemical product and waste storage area on the east side of Building C (Unisys 2020). Investigation activities included the installation of numerous groundwater wells, collecting groundwater samples and conducting a soil gas survey downgradient from Building C in order to further characterize the extent of impacts. Results of these investigations are documented in numerous reports submitted to the DWMRC. Groundwater remediation activities began at the Site in 1988 with groundwater extraction and treatment and were expanded to include soil vapor extraction in 1991. With approval from the DWMRC (previously the Utah Division of Solid and Hazardous Waste), active remediation activities were discontinued in April 1999. At the time of the shutdown, residual VOC concentrations remained in groundwater at the Site in the vicinity of Building C. Remaining VOC concentrations are being addressed through monitored natural attenuation (MNA).

Figure 4 presents the current total VOC concentrations based on the most recent monitoring data from the Site (sampling event conducted in 2022). A summary of historical groundwater monitoring data (data from 2005 through 2022) is provided on Table 1. Residual constituents of concern (COCs) at the Site are primarily limited to trichloroethene (TCE), 1,1 dichloroethane (1,1 DCA) and vinyl chloride, which are the only VOCs that currently exceed site screening criteria. Generally, higher concentrations of residual VOCs are detected in the lower unconfined aquifer zone in comparison to the upper zone. Site monitoring data and statistical trend evaluations have generally shown that VOC concentrations in groundwater at the Site have steadily declined, since active remediation ended, due to natural attenuation (Unisys 2020).

Monitoring data has also shown limited periodic VOC detections in surface water samples collected from the Brighton Canal along the east side of the Site. As shown on Table 1, observed detections have only shown limited concentrations above site screening criteria and generally stable or declining concentrations over time consistent with groundwater concentrations.

2.3 Site Risk Assessment

The shallow groundwater aquifer beneath the Site is not used and vapor intrusion from groundwater is the only potentially complete exposure pathway. Sub-slab vapor sampling and site-specific vapor intrusion modeling was conducted to evaluate potential vapor intrusion risk in 2012 using the Johnson and Ettinger model (J&E model) (ERM 2013). Results of the site-specific modeling showed that under the existing commercial/industrial land use conditions, potential vapor intrusion risk was within acceptable levels and would not warrant mitigation measures, but that site management via ongoing natural attenuation was appropriate.

Per the request of the DWMRC, a subsequent evaluation of the vapor intrusion pathway was conducted in 2023 (Geosyntec 2023) using the updated EPA Vapor Intrusion Screening Level (VISL) guidance and calculator (EPA 2015 and EPA 2023). Based on the updated assessment, cancer risks were estimated to range from $5E-07$ to $4E-06$ and noncancer hazards were below one, assuming a commercial/industrial land use and receptors, consistent with the current and future anticipated use of the Site and previous vapor intrusion evaluation. The updated risk evaluation confirmed that residual VOC concentrations in groundwater do not pose a significant health risk for industrial/commercial workers at the Site and risk levels are generally consistent with the vapor intrusion evaluation conducted in 2012, confirming ongoing monitoring and site management is appropriate. The long-term monitoring and site management requirements are presented in Section 3.0.

3. SITE MANAGEMENT

Site management will include on-going MNA in combination with the implementation of land use controls to prevent groundwater use and limit the use of the Site to commercial and/or industrial purposes. Unisys/L3Harris and the Site owner shall comply with the SMP for the portions applicable to their obligations.

3.1 Current and Future Land Use Controls

3.1.1 Activity and Use Limitations

An Environmental Covenant (EC) will be developed in cooperation with the DWMRC and recorded on the Site with the Salt Lake County Recorder. The EC will be used as the primary institutional control to restrict groundwater use and prevent potential residential development at the Site. The area that will be covered by the EC includes Parcels 08332260090000, 08332760040000, 08332760070000 as shown on Figure 3. The EC will be recorded with the Salt Lake County Recorder's Office in conjunction with the implementation of this SMP. The EC will remain in effect until such time as it is demonstrated that there are no longer conditions that present unacceptable risk and the Director of the DMWRC (Director) approves the removal or modification of these controls.

The EC will include the following site management and activity and use limitations on the Site.

3.1.2 Land Use Limitations

The Site shall be restricted to commercial and/or industrial use only. If future residential or other non-commercial/non-industrial uses of the Site are proposed, they must be reviewed and approved by the Director prior to implementation.

3.1.3 Groundwater Limitations

Groundwater, including surface seepage into the Brighton Canal, from the Site shall not be used for drinking, irrigation, bathing, or any other purposes without approval. Any use of groundwater from the site shall be reviewed and approved by the Director prior to implementation.

3.1.4 Soil Excavation and Groundwater Removal

If contaminated soil and groundwater from the impacted area around Building C is generated in the future from construction, excavation or other activities at the Site, the material shall be properly managed in accordance with applicable regulations and laws.

3.2 Maintenance, Access, and Inspections

Under the EC, Unisys/L3Harris and the Director and/or their respective authorized agents, employees, and contractors shall have rights of reasonable access to the Site for inspections and monitoring of the compliance with the EC and this SMP. Nothing in this SMP shall be construed to expand or limit any authority for access and inspection by Unisys/L3Harris, the Director or other duly authorized representatives.

3.2.1 Notice

Any party or person desiring to access the Site under authority of the EC shall provide notice to the Site owner of the affected portion of the property not less than 48 hours in advance of accessing the property, except in the event of an emergency condition that reasonably requires immediate access. In the event of any such emergency condition, the party exercising this access right will provide notice to the Site owner of the affected portion of the property requiring access as soon thereafter as is reasonably possible.

3.2.2 Disruption

To the extent that Unisys/L3Harris, the Director, and/or their authorized representatives conduct any activities on or within any portion of the Site, they will use reasonable efforts to comply with the owner's business operation and security needs and requirements and will conduct such activities so as to cause the least amount of disruption to the use of the affected portion of the Site as may be reasonably possible. Any person who conducts any activities related to the implementation of the EC or SMP shall repair or replace any improvements or landscaping damaged due to these activities. The Director will determine what needs, requirements, and activities are reasonable. Should the Director's activities cause damage to Site improvements or landscaping that are not repaired or replaced, the injured party may present a claim against the State of Utah in accordance with Utah law.

3.3 Groundwater Monitoring

Groundwater monitoring will be conducted to monitor and evaluate groundwater conditions and natural attenuation over time. If significant changes in groundwater concentrations trends are observed, additional evaluation of the vapor intrusion pathway may be conducted. Monitoring will be performed in accordance with the revised monitoring plan approved by the DWMRC on April 22, 2021 (DWMRC 2021) and further future modifications approved by DWMRC based on an evaluation of groundwater monitoring results. Per the revised monitoring plan, groundwater samples will be collected from the following seven (7) wells: MW-2B, MW-4B, MW-6B, MW-8B, MW-9B, MW-12, and MW-27 during each sampling event. Additionally, a surface water sample from the Brighton Canal will also be collected. Sampling will be conducted at a frequency of every five (5) years beginning in 2027. The DWMRC will be notified a minimum of fourteen (14) days prior to all monitoring events.

Per the direction of the DWMRC, the USEPA VISL calculator was used to calculate target groundwater concentrations for the Site based on the potential vapor intrusion pathway. The target groundwater concentrations are summarized on Table 1 and will be used as the updated Site Remediation Goals (SRGs) for the Site, unless a less restrictive comparison criteria is approved by the DWMRC at a later time. The target groundwater concentrations were calculated based on a commercial/industrial exposure scenario, using a hazard quotient of 1 and target risk of 1×10^{-6} . In accordance with the DWMRCs direction, a groundwater temperature of 14° Celsius was used

in the calculations. All other default exposure parameters were used. Monitoring will continue at the current frequency until groundwater concentrations are below the updated SRGs¹.

Groundwater monitoring reports will be prepared and submitted to the DWMRC after each sampling event. The reports will summarize the completed sampling activities and results, provide a comparison of groundwater concentrations in relation to the SRGs, and make recommendations with regard to future groundwater sampling events, if required.

3.4 Replacement of Monitoring Wells

If any monitoring well is damaged or removed due to the construction of improvements on the Site, such well will be repaired or replaced to allow for continued monitoring, if required by DWMRC. Replacement wells will be placed in locations approved by the Director. Installation, development, sampling, plugging, and abandonment of monitoring wells shall comply with a work plan to be submitted to and approved by the Director. The Site owner shall not move nor modify any groundwater monitoring wells on the Property without first notifying the Director and Unisys/L3Harris in writing.

3.5 Administration of Site Management Plan

3.5.1 Regulatory Agency Oversight

The DWMRC has the regulatory authority to administer and enforce this SMP and the associated EC.

3.5.2 Current and Future Landowner Responsibility

Unisys/L3Harris and the Site owner are responsible for complying with this SMP for the portions applicable to their obligations.

3.5.3 Site Management Contacts

Inquiries concerning the SMP should be directed to the following:

Unisys
Mr. Terry Etter
Corporate Environmental Affairs
3199 Pilot Knob Road, MS F1B05
Eagan, Minnesota 55121
Email: terry.etter@unisys.com
Phone: 1-651-635-7253

¹ Monitoring will be allowed to cease when the 95% upper confidence limit of the Theil-Sen trend line around the data is equal or is lower than the approved SRG in accordance with the Statistical Corrective Action Test statistical techniques outlined in Chapter 21.3 of the USEPA Unified Statistical Guidance (USEPA 2009).

L3 Harris

Mr. Anthony Carmeli
Director, Environmental Remediation
1025 W. Nasa Blvd.
Mailstop A-11D
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Email: anthony.carmeli@l3harris.com
Phone: 1-720-249-7404

Drawbridge Realty

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Asset Management
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San Francisco, CA 94111
Email: membree@drawbridgerealty.com
Phone: 1-415-391-4440

**Utah Department of Environmental Quality
Division of Waste Management and Radiation Control**

Director
P.O. Box 144880
Salt Lake City, Utah 84114-4880
Phone: 1-801 536-0200

3.6 Modifications and Termination of the Site Management Plan

This SMP may not be modified or terminated without written approval from the DWMRC.

3.7 Public Comment

Prior to approving this SMP, the DWMRC will hold a 30-day public comment period to allow the public to offer comments on the proposed site management controls and land use restrictions for the Site presented herein.

4. REFERENCES

EPA 2015. Assessing and Mitigating the Vapor Intrusion Pathway from Subsurface Vapor Sources to Indoor Air. June

EPA 2023. Vapor Intrusion Screening Levels (VISL) Calculator. [Vapor Intrusion Screening Level Calculator | EPA](#)

ERM. 2013. Sub-Slab Vapor Sampling and Site-Specific Vapor Intrusion Modeling Report, Salt Lake City, Utah Facility. Prepared for Unisys Corporation.

ERM. 2019 (revision of 2013 report). Sub-Slab Vapor Sampling and Site-Specific Vapor Intrusion Modeling Report, Salt Lake City, Utah Facility. Prepared for Unisys Corporation.

ERM. 2019. Report Amendment, Unisys Corporation, Salt Lake City Facility. October. Prepared for Unisys Corporation.

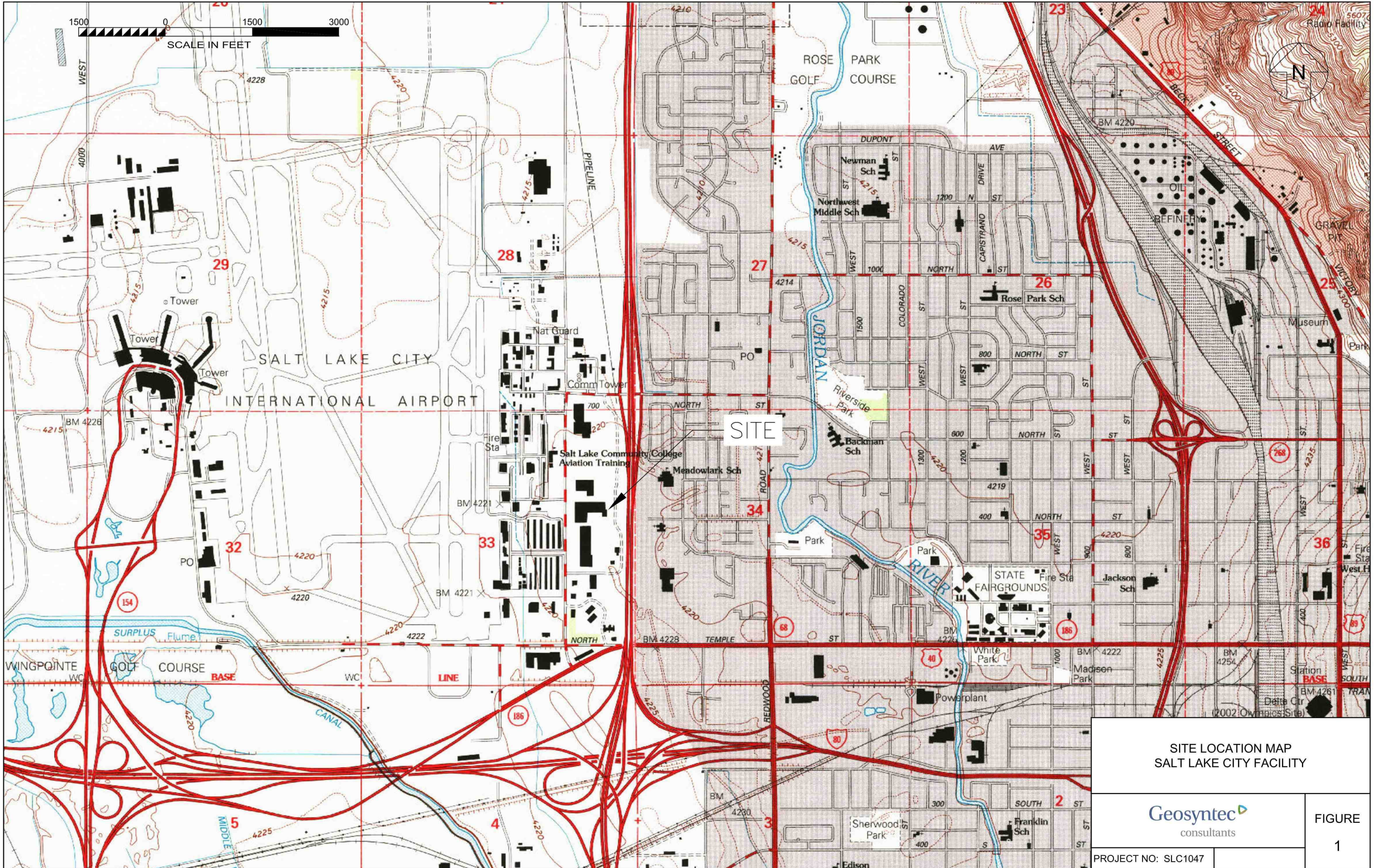
Geosyntec 2023. Groundwater Vapor Intrusion Risk Evaluation Update. Prepared for Unisys Corporation.

Unisys. 2020. 2019-2020 Biennial Status Report. Prepared by Unisys Corporation.

DWMRC. 2021. Proposed Revised Groundwater Monitoring Program.

FIGURES

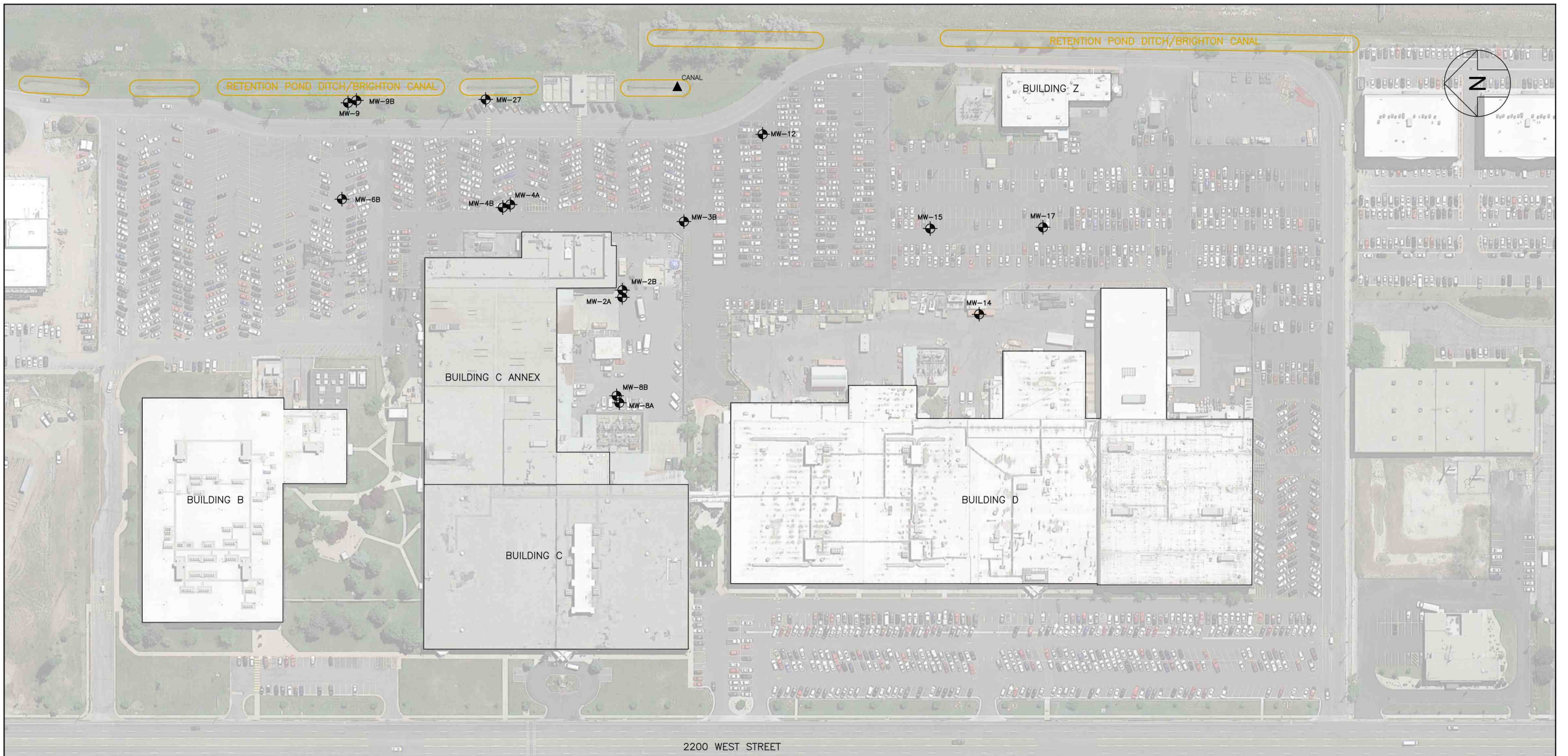
\\BACH-01\SALT LAKE CITY\PROJECTS\UNIS\SLC1047 SMP EC PREP\FIGURES\FIGURE 1 - Last Saved by: BSmith on 3/23/22





SITE LOCATION MAP
SALT LAKE CITY FACILITY

	<p>FIGURE 1</p>
<p>PROJECT NO: SLC1047</p>	

Z:\PROJECTS\UNIVERSITY\SLC1047 SMP EC PREP\FIGURES\FIGURE 2 - Last Saved by: BSmith on 1/10/24



LEGEND

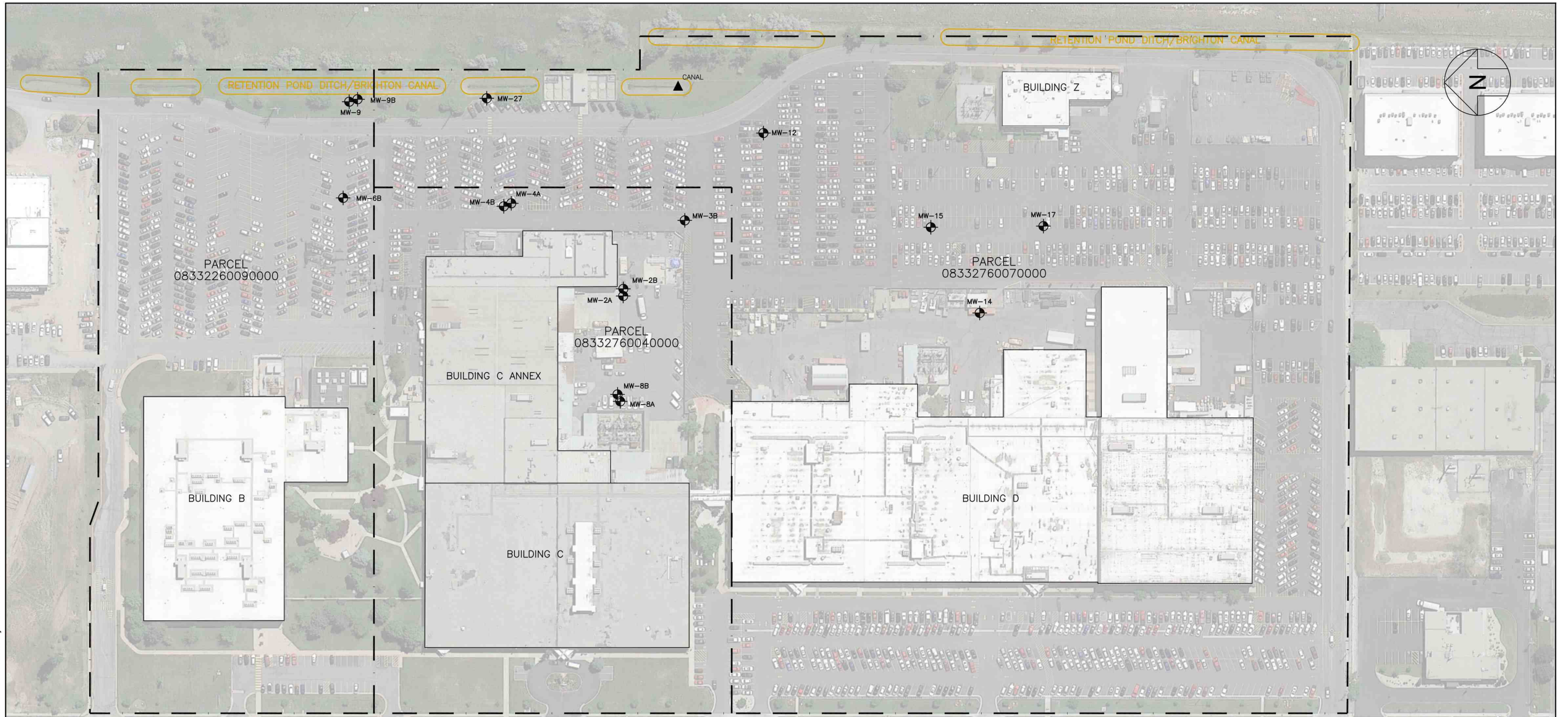
-  MONITORING WELL
-  CANAL MONITORING POINT

2200 WEST STREET






<p>SITE LAYOUT MAP SALT LAKE CITY FACILITY</p>	
	
<p>PROJECT NO: SLC1047</p>	<p>FIGURE 2</p>

Z:\PROJECTS\UNIVERSITY\SLC1047 SMP EC PREP\FIGURES\FIGURE 3 - Last Saved by: BSmith on 1/16/24



2200 WEST STREET

LEGEND

-  MONITORING WELL
-  CANAL MONITORING POINT
-  PARCEL BOUNDARY (APPROXIMATE)



**PARCEL MAP
SALT LAKE CITY FACILITY**

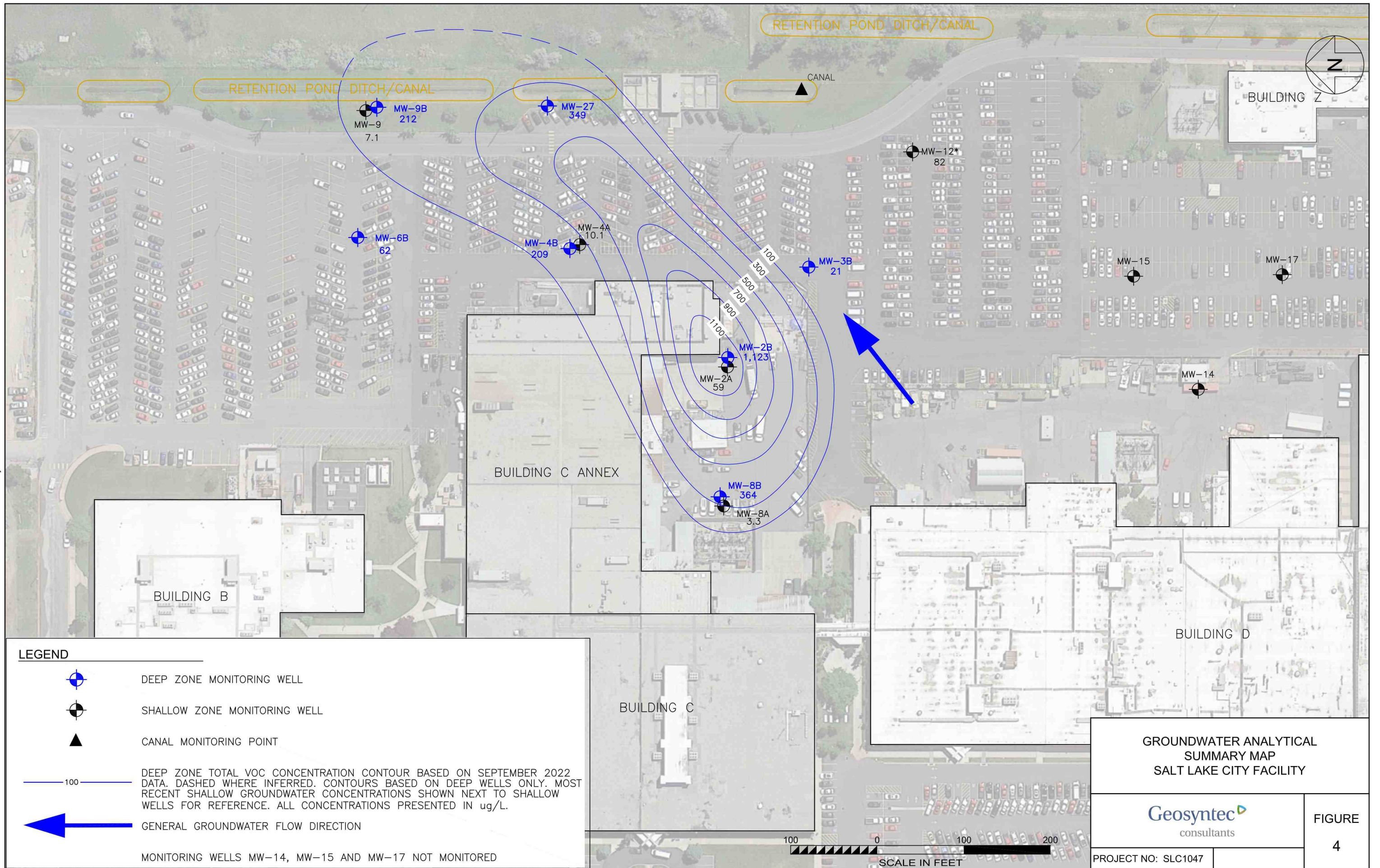


FIGURE

3

PROJECT NO: SLC1047

Z:\PROJECTS\UNISYS\SLC1047 SMP EC PREP\FIGURES\FIGURE 4 2022 DATA 08-11-2023 - Last Saved by: BSmith on 1/10/24



RETENTION POND DITCH/CANAL

RETENTION POND DITCH/CANAL

CANAL

BUILDING Z

MW-9B
212
MW-9
7.1

MW-27
349

MW-12*
82

MW-6B
62

MW-4B
209

MW-4A
10.1

MW-3B
21

MW-15

MW-17

MW-2B
1,123
MW-2A
59

MW-14

BUILDING C ANNEX

BUILDING B

BUILDING C

BUILDING D

100 0 100 200

SCALE IN FEET

PROJECT NO: SLC1047

FIGURE

4

TABLES

Table 1
Groundwater Analytical Summary 2005-2022
Salt Lake City Facility
Salt Lake City, Utah

Well Number	Date Sampled	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	1,2-Dichloropropane	Methylene Chloride	1,1,2,2-Tetrachloroethane	Tetrachloroethene (PCE)	trans-1,2-Dichloroethene	1,1,1-Trichloroethane (TCA)	Trichloroethene (TCE)	Trichlorofluoromethane	Vinyl Chloride	
Site Remediation Goals (SRGs) ¹		54,400	5.56	1,430	NS	51.9	16.3	1,200	48.2	14,000	27	116	706	49,800	12.3	NS	3.2	
MW-2A	3-Nov-05	< 1.0	4.6	< 1.0	2.4	8.9	< 1.0	5.9	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	1.6	54	2.7	< 1.0	
	25-Oct-06	< 1.0	7.5	< 1.0	2.4	8.7	< 1.0	< 1.0	< 1.0	0.79 J	< 1.0	0.58 J	< 1.0	1.2	42	< 1.0	< 1.0	
	24-Oct-07	< 1.0	6.1	< 1.0	1.8	6.6	< 1.0	1.7	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	0.51 J	28	< 1.0	< 1.0	
	23-Oct-08	< 0.41	4.2	< 0.30	1.4	14	0.20 J	1.4	< 0.13	0.48 J, B	< 0.20	< 0.20	< 0.15	0.36 J	20	< 0.29	< 0.40	
	10-Nov-09	< 0.34	6.4	< 0.25	1.7	7.7	< 0.22	2.0	< 0.15	< 0.35	< 0.09	< 0.10	< 0.11	< 0.19	23	< 0.23	< 0.22	
	10-Nov-10	< 0.099	3.5	0.34 J, B	1.2	5.6	< 0.10	1.4	< 0.097	0.28 J, B	< 0.098	< 0.18	0.12 J	0.61 J	20	0.34 J	< 0.084	
	2-Nov-11	< 2.0	1.1	< 2.0	2.4	9.1	< 1.0	2.6	< 1.0	< 5.0	< 1.0	< 1.0	0.17 J	0.57 J	30	0.62 J	< 1.0	
	31-Oct-12	< 2.0	< 1.0	< 2.0	1.9	7.3	< 1.0	1.8	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	24	< 1.0	< 1.0	
	29-Oct-14	< 2.0	< 1.0	< 2.0	2.7	12	< 1.0	2.6	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	30	< 1.0	< 2.0	
	26-Oct-16	< 2.0	< 1.0	< 2.0	2.9	14	< 1.0	1.7	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	30	< 1.0	< 1.0	
	24-Oct-18	< 1.0	< 1.0	< 1.0	3.6	19	< 1.0	3.3	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	43	< 1.0	< 1.0	
	4-Mar-20	< 1.0	< 1.0	< 2.0	3.5	18	< 1.0	2.7	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	34	1.3	< 1.0	
	MW-2B	3-Nov-05	< 200	< 200	< 200	150 J	5,000	< 200	280	< 200	< 1,000	< 200	< 200	< 200	< 200	900	< 200	< 200
		25-Oct-06	< 200	< 200	< 200	120 J	5,600	< 200	500	< 200	120 J	< 200	< 200	< 200	< 200	800	< 200	< 200
24-Oct-07		< 200	< 200	< 200	< 200	4,900	< 200	140 J	< 200	< 1,000	< 200	< 200	< 200	< 200	740	< 200	< 200	
23-Oct-08		< 60	< 32	< 60	40 J	6,400	< 26	150 J	< 26	96 J, B	< 40	< 40	< 30	< 32	700	< 58	< 80	
10-Nov-09		< 34	< 12	< 25	< 10	4,300	< 22	150	< 15	< 35	< 9.0	< 10	< 11	< 19	490	< 23	< 22	
10-Nov-10		< 9.9	< 0.10	< 9.9	45 J, D	4,200 D	< 0.10	130 D	0.24 J	3.0 J, B	0.65 J	0.76 J	1.8	< 0.069	460 D	< 0.11	< 8.4	
2-Nov-11		< 20	< 10	< 20	91 D	2,300 D	< 10	90 D	< 10	< 50	< 10	< 10	< 10	< 10	320 D	< 20	< 10	
31-Oct-12		< 50	< 25	< 50	62	2,500	< 25	87	< 25	46	< 25	< 25	< 25	< 25	290	< 25	< 25	
29-Oct-14		< 10	< 5.0	< 10	71	1,500	< 5.0	73	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	190	< 5.0	< 10	
26-Oct-16		< 50	< 25	< 50	130	1,500	< 25	60	< 25	< 25	< 25	< 25	< 25	< 25	160	< 25	< 25	
24-Oct-18		< 10	< 10	< 10	220	1,300	< 10	90	< 10	< 50	< 10	< 10	< 10	< 10	150	< 10	< 10	
4-Mar-20		< 1.0	< 1.0	< 2.0	14	100	< 1.0	7.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	9.9	< 1.0	< 1.0	
7-Sep-22		< 20	< 10	< 20	140	830	< 10	82	< 10	< 10	< 10	< 10	< 10	< 10	71	< 10	< 10	
MW-3B		3-Nov-05	< 2.0	< 2.0	< 2.0	2	56	< 2.0	< 2.0	< 2.0	< 10	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	24-Oct-06	< 2.0	< 2.0	< 2.0	1.9 J	49	< 2.0	< 2.0	< 2.0	2.2 J	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	
	23-Oct-07	6.1	< 2.0	< 2.0	< 2.0	54	< 2.0	< 2.0	< 2.0	< 10	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	
	24-Oct-08	6.2	< 0.16	< 0.30	0.81 J	46	< 0.13	< 0.14	< 0.13	< 0.32	< 0.20	< 0.20	< 0.15	< 0.16	0.36 J	< 0.29	< 0.40	
	10-Nov-09	7.6	< 0.24	< 0.50	< 0.20	46	< 0.44	< 0.28	< 0.30	< 0.70	< 0.18	< 0.20	< 0.22	< 0.38	< 0.26	< 0.46	< 0.44	
	9-Nov-10	8.6	< 0.10	0.20 J, B	0.85 J	35	< 0.10	< 0.083	< 0.097	0.14 J, B	< 0.098	0.11 J	0.11 J	< 0.069	0.48 J	< 0.11	0.11 J	
	1-Nov-11	7.9	< 1.0	< 2.0	0.77 J	26	< 1.0	0.16 J	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	0.30 J	< 2.0	< 1.0	
	29-Oct-12	6.7	< 1.0	< 2.0	< 1.0	26	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
	28-Oct-14	11	< 1.0	< 2.0	< 1.0	15	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	
	25-Oct-16	11	< 1.0	< 2.0	< 1.0	11	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
	23-Oct-18	5.1	< 1.0	< 1.0	< 1.0	8.1	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
	3-Mar-20	< 1.0	< 1.0	3.9	1.1	16	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
	MW-4A	14-Dec-05	< 1.0	< 1.0	< 1.0	< 1.0	4.9	< 1.0	8.1	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	0.62 J	0.98 J	< 1.0	< 1.0
		24-Oct-06	< 1.0	< 1.0	< 1.0	0.72 J	5.4	< 1.0	9.3	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	0.86 J	0.58 J	< 1.0	< 1.0

Table 1
Groundwater Analytical Summary 2005-2022
Salt Lake City Facility
Salt Lake City, Utah

Well Number	Date Sampled	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	1,2-Dichloropropane	Methylene Chloride	1,1,2,2-Tetrachloroethane	Tetrachloroethene (PCE)	trans-1,2-Dichloroethene	1,1,1-Trichloroethane (TCA)	Trichloroethene (TCE)	Trichlorofluoromethane	Vinyl Chloride
Site Remediation Goals (SRGs) ¹		54,400	5.56	1,430	NS	51.9	16.3	1,200	48.2	14,000	27	116	706	49,800	12.3	NS	3.2
MW-4A (cont.)	23-Oct-07	< 1.0	< 1.0	< 1.0	< 1.0	6.6	< 1.0	12	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	0.54 J	1.4	0.70 J	< 1.0
	23-Oct-08	< 0.41	< 0.16	< 0.30	1.7	9.4	< 0.13	6.1	< 0.13	0.51 J, B	< 0.20	< 0.20	0.23 J	0.21 J	1.0	< 0.29	< 0.40
	10-Nov-09	< 0.34	< 0.12	< 0.25	< 0.10	12	< 0.22	26	< 0.15	< 0.35	< 0.09	< 0.10	< 0.11	< 0.19	1.7	< 0.23	< 0.22
	10-Nov-10	< 0.099	< 0.10	1.0 J, B	0.40 J	11	0.47 J	19	< 0.097	0.13 J, B	< 0.098	< 0.18	< 0.083	0.40 J	1.6	< 0.11	< 0.084
	1-Nov-11	< 2.0	< 1.0	< 2.0	0.70 J	19	0.65 J	37	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	0.60 J	2.1	< 2.0	0.17 J
	31-Oct-12	< 2.0	< 1.0	< 2.0	< 1.0	20	< 1.0	22	< 1.0	1.7	< 1.0	< 1.0	< 1.0	< 1.0	2.7	< 1.0	< 1.0
	29-Oct-14	< 2.0	< 1.0	< 2.0	< 1.0	14	< 1.0	28	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	2.3	< 1.0	< 2.0
	25-Oct-16	< 2.0	< 1.0	< 2.0	< 1.0	6.1	< 1.0	8.7	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.1	< 1.0	< 1.0
	23-Oct-18	< 1.0	< 1.0	< 1.0	< 1.0	4.8	< 1.0	7.5	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	1.1	< 1.0	< 1.0
	5-Mar-20	< 1.0	< 1.0	< 2.0	< 1.0	6.4	< 1.0	1.6	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	2.1	< 1.0	< 1.0
MW-4B	14-Dec-05	< 50	< 50	< 50	350	3,000	< 50	300	< 50	< 250	< 50	< 50	31 J	< 50	< 50	< 50	< 50
	24-Oct-06	< 50	< 50	< 50	300	3,000	< 50	330	< 50	< 250	< 50	< 50	< 50	< 50	< 50	< 50	< 50
	23-Oct-07	< 50	< 50	< 50	340	3,300	< 50	240	< 50	< 250	< 50	< 50	< 50	< 50	< 50	< 50	< 50
	23-Oct-08	< 41	< 16	< 30	280	2,900	< 13	140	< 13	55 J, B	< 20	< 20	21 J	< 16	< 16	< 29	< 40
	10-Nov-09	< 17	< 6.0	< 12	340	2,200	< 11	160	< 7.5	< 18	< 4.5	< 5.0	< 5.5	< 9.5	< 6.5	< 12	< 11
	10-Nov-10	2.2	< 0.10	0.44 J, B	12 D	59 D	0.74 J	77 J, D	< 0.097	0.32 J, B	< 0.098	< 0.18	21	< 0.069	0.86 J	98	8.5
	1-Nov-11	< 20	< 10	< 20	270 D	1,300 D	< 10	92 D	< 10	< 50	< 10	< 10	20 D	< 10	< 10	< 20	< 10
	31-Oct-12	< 5.0	< 2.5	< 5.0	79	340	< 2.5	26	< 2.5	< 2.5	< 2.5	< 2.5	5.5	< 2.5	< 2.5	< 2.5	< 2.5
	29-Oct-14	< 5.0	< 2.5	< 5.0	200	520	< 2.5	44	< 2.5	< 2.5	< 2.5	< 2.5	15	< 2.5	< 2.5	< 2.5	5.3
	25-Oct-16	< 20	< 10	< 20	61	100	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
23-Oct-18	1.6	< 1.0	< 1.0	110	100	< 1.0	19	< 1.0	< 5.0	< 1.0	< 1.0	12	< 1.0	< 1.0	< 1.0	9.2	
5-Mar-20	< 1.0	< 1.0	< 2.0	45	40	< 1.0	6.5	< 1.0	< 1.0	< 1.0	< 1.0	4.5	< 1.0	< 1.0	< 1.0	2.9	
7-Sep-22	2.9	< 1.0	< 2.0	96	68	< 1.0	14	< 1.0	< 1.0	< 1.0	< 1.0	15	< 1.0	2.8	< 1.0	10	
MW-6B	3-Nov-05	< 5.0	< 5.0	< 5.0	40	160	< 5.0	41	< 5.0	< 25	< 5.0	< 5.0	4.3 J	< 5.0	< 5.0	< 5.0	< 5.0
	24-Oct-06	< 5.0	< 5.0	< 5.0	23	110	< 5.0	18	< 5.0	4.0 J	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	23-Oct-07	1.4 J	< 2.0	< 2.0	10	54	< 2.0	6.4	< 2.0	< 10	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	24-Oct-08	< 2.0	< 0.80	< 1.5	30	190	< 0.65	27	< 0.65	2.7 J, B	< 1.0	< 1.0	5.3	< 0.80	< 0.80	< 1.4	< 2.0
	10-Nov-09	< 1.7	< 0.60	< 1.2	5.4	33	< 1.1	< 0.70	< 0.75	< 1.8	< 0.45	< 0.50	< 0.55	< 0.95	< 0.65	< 1.2	< 1.1
	10-Nov-10	0.23 J	< 0.10	0.23 J, B	14	94 D	< 0.10	11	< 0.097	0.17 J, B	< 0.098	< 0.18	2	< 0.069	0.43 J	< 0.11	0.25 J
	1-Nov-11	0.57 J	< 1.0	< 2.0	25	160 D	< 1.0	20	< 1.0	< 5.0	< 1.0	< 1.0	3.9	< 1.0	0.43 J	< 2.0	< 1.0
	30-Oct-12	< 2.0	< 1.0	< 2.0	1.9	10	< 1.0	1.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	28-Oct-14	< 2.0	< 1.0	< 2.0	1.8	7.7	< 1.0	1.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
	25-Oct-16	8.1	< 1.0	< 2.0	10	37	< 1.0	7.8	< 1.0	< 1.0	< 1.0	< 1.0	1.9	< 1.0	< 1.0	< 1.0	< 1.0
23-Oct-18	2.2	< 1.0	< 1.0	< 1.0	4.6	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
4-Mar-20	< 1.0	< 1.0	< 2.0	< 1.0	2.7	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
7-Sep-22	12	< 1.0	< 2.0	6.4	38	< 1.0	4.8	< 1.0	< 1.0	< 1.0	< 1.0	1.2	< 1.0	< 1.0	< 1.0	< 1.0	
MW-8A	25-Oct-06	< 1.0	< 1.0	< 1.0	0.78 J	1.9	< 1.0	< 1.0	< 1.0	0.46 J	< 1.0	0.72 J	< 1.0	< 1.0	1.3	0.61 J	< 1.0
	24-Oct-07	< 1.0	< 1.0	< 1.0	< 1.0	1.1	< 1.0	0.65 J	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	1.8	< 1.0	< 1.0
	23-Oct-08	< 0.41	< 0.16	< 0.30	0.55 J	0.30 J	< 0.13	0.75 J	< 0.13	0.32 J, B	< 0.20	< 0.20	< 0.15	< 0.16	3.5	< 0.29	< 0.40

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Salt Lake City Facility
Salt Lake City, Utah

Well Number	Date Sampled	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	1,2-Dichloropropane	Methylene Chloride	1,1,2,2-Tetrachloroethane	Tetrachloroethene (PCE)	trans-1,2-Dichloroethene	1,1,1-Trichloroethane (TCA)	Trichloroethene (TCE)	Trichlorofluoromethane	Vinyl Chloride
Site Remediation Goals (SRGs) ¹		54,400	5.56	1,430	NS	51.9	16.3	1,200	48.2	14,000	27	116	706	49,800	12.3	NS	3.2
MW-8A (cont.)	10-Nov-09	< 0.34	< 0.12	< 0.25	< 0.10	< 0.10	< 0.22	1.6	< 0.15	< 0.35	< 0.09	< 0.10	< 0.11	< 0.19	8.2	< 0.23	< 0.22
	10-Nov-10	< 0.099	< 0.10	0.31 J, B	0.34 J	2.3	< 0.10	0.77 J	< 0.097	0.29 J, B	< 0.098	< 0.18	< 0.083	< 0.069	4.0	< 0.11	< 0.084
	2-Nov-11	< 2.0	< 1.0	< 2.0	0.54 J	3.6	< 1.0	0.68 J	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	4.0	< 2.0	< 1.0
	31-Oct-12	< 2.0	< 1.0	< 2.0	< 1.0	1.1	< 1.0	< 1.0	< 1.0	1.6	< 1.0	< 1.0	< 1.0	< 1.0	1.6	< 1.0	< 1.0
	29-Oct-14	< 2.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	1.1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	4.7	< 1.0	< 2.0
	26-Oct-16	< 2.0	< 1.0	< 2.0	< 1.0	2.4	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	5.3	< 1.0	< 1.0
	24-Oct-18	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.6	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	9.1	< 1.0	< 1.0
	4-Mar-20	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	3.3	< 1.0	< 1.0
MW-8B	3-Nov-05	< 25	< 25	< 25	60	38	< 25	150	< 25	< 120	< 25	< 25	< 25	< 25	610	< 25	< 25
	25-Oct-06	< 25	< 25	< 25	62	37	< 25	180	< 25	14 J	< 25	< 25	< 25	< 25	600	< 25	< 25
	24-Oct-07	0.95 J	< 1.0	< 1.0	32	16	0.92 J	33	< 1.0	3.5 J, B	< 1.0	< 1.0	2.3	< 1.0	180	3.2	< 1.0
	23-Oct-08	< 8.2	< 3.2	< 6.0	86	28	< 2.6	92	< 2.6	11 J, B	< 4.0	< 4.0	4.3 J	< 3.2	540	< 5.8	< 8.0
	10-Nov-09	< 1.7	< 0.60	< 1.2	84	26	< 1.1	84	< 0.75	< 1.2	< 0.45	< 0.50	< 0.55	< 0.95	350	< 1.2	< 1.1
	10-Nov-10	< 0.099	< 0.10	< 0.077	38	18	1.5	63 J, D	< 0.097	0.37 J	< 0.098	< 0.18	4.9	< 0.069	250 D	< 0.11	0.81 J
	2-Nov-11	< 2.0	< 1.0	< 2.0	13	4.2	< 1.0	16	< 1.0	< 5.0	< 1.0	< 1.0	0.63 J	< 1.0	66 D	< 2.0	< 1.0
	1-Nov-12	< 2.0	< 1.0	< 2.0	9.4	2.9	< 1.0	12	< 1.0	1.6	< 1.0	< 1.0	< 1.0	< 1.0	56	< 1.0	< 1.0
	29-Oct-14	< 2.0	< 1.0	< 2.0	41	15	1.1	53	< 1.0	1.1	< 1.0	< 1.0	2.3	< 1.0	210	< 1.0	< 2.0
	26-Oct-16	< 2.0	< 1.0	< 2.0	53	19	1.7	40	< 1.0	< 1.0	< 1.0	< 1.0	2.1	< 1.0	210	< 1.0	< 1.0
	24-Oct-18	< 1.0	< 1.0	< 1.0	53	21	1.6	88	< 1.0	< 5.0	< 1.0	< 1.0	4.0	< 1.0	370	< 1.0	< 1.0
	4-Mar-20	< 1.0	< 1.0	< 2.0	23	9.2	< 1.0	39	< 1.0	< 1.0	< 1.0	< 1.0	1.7	< 1.0	140	< 1.0	< 1.0
	7-Sep-22	< 4.0	< 2.0	< 4.0	39	17	< 2.0	65	< 2.0	< 2.0	< 2.0	< 2.0	3.3	< 2.0	240	< 2.0	< 2.0
MW-9	1-Nov-05	< 1.0	< 1.0	< 1.0	0.62 J	0.41 J	< 1.0	1.3	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	1.1	< 1.0	< 1.0
	23-Oct-06	< 1.0	< 1.0	< 1.0	1.0	1.1	< 1.0	0.99 J	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	1.6	< 1.0	< 1.0
	22-Oct-07	< 1.0	< 1.0	< 1.0	< 1.0	0.80 J	< 1.0	0.68 J	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	0.87 J	< 1.0	< 1.0
	22-Oct-08	< 0.41	< 0.16	< 0.41	0.39 J	0.73 J	< 0.13	0.64 J	< 0.13	< 0.32	< 0.20	< 0.20	< 0.15	< 0.16	0.87 J	< 0.29	< 0.40
	9-Nov-09	< 0.34	< 0.12	< 0.25	< 0.10	< 0.10	< 0.22	< 0.14	< 0.15	< 0.35	< 0.09	< 0.10	< 0.11	< 0.19	< 0.13	< 0.23	< 0.22
	9-Nov-10	< 0.099	< 0.10	0.48 J, B	0.42 J	1.5	< 0.10	0.69 J	< 0.097	0.18 J, B	< 0.098	< 0.18	< 0.083	0.085 J	1.0	< 0.11	0.15 J
	1-Nov-11	< 2.0	0.30 J	< 2.0	1.7	3.5	< 1.0	1.1	< 1.0	< 5.0	< 1.0	< 1.0	0.12 J	< 1.0	2.2	< 2.0	0.19 J
	29-Oct-12	< 2.0	< 1.0	< 2.0	2.2	14	< 1.0	6.2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	5.9	< 1.0	< 1.0
	28-Oct-14	< 2.0	< 1.0	< 2.0	1.9	12	< 1.0	4.4	< 1.0	1.1	< 1.0	< 1.0	< 1.0	< 1.0	4.5	< 1.0	< 2.0
	25-Oct-16	< 2.0	< 1.0	< 2.0	1.5	11	< 1.0	2.8	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	3.8	< 1.0	< 1.0
	24-Oct-18	< 1.0	< 1.0	< 1.0	1.5	12	< 1.0	2.8	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	3.9	< 1.0	< 1.0
	4-Mar-20	< 1.0	< 1.0	< 2.0	< 1.0	4.4	< 1.0	1.1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.6	< 1.0	< 1.0
MW-9B	2-Nov-11	< 2.0	< 1.0	< 2.0	2.6	100 D	< 1.0	2.6	< 1.0	< 5.0	< 1.0	< 1.0	0.24 J	< 1.0	< 1.0	< 2.0	< 1.0
	29-Oct-12	< 2.0	< 1.0	< 2.0	5.1	130	< 1.0	6.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	28-Oct-14	< 2.0	< 1.0	< 2.0	4.0	81	< 1.0	5.9	< 1.0	1.2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
	25-Oct-16	5.2	< 1.0	< 2.0	2.9	53	< 1.0	4.3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	24-Oct-18	7.7	< 1.0	< 1.0	3.1	71	< 1.0	5.8	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	4-Mar-20	< 1.0	< 1.0	< 2.0	2.7	67	< 1.0	4.8	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

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Well Number	Date Sampled	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	1,2-Dichloropropane	Methylene Chloride	1,1,2,2-Tetrachloroethane	Tetrachloroethene (PCE)	trans-1,2-Dichloroethene	1,1,1-Trichloroethane (TCA)	Trichloroethane (TCE)	Trichlorofluoromethane	Vinyl Chloride
Site Remediation Goals (SRGs) ¹		54,400	5.56	1,430	NS	51.9	16.3	1,200	48.2	14,000	27	116	706	49,800	12.3	NS	3.2
MW-9B (cont.)	7-Sep-22	36	< 1.0	< 2.0	6.1	160 H	< 1.0	10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-12	2-Nov-05	< 2.0	< 2.0	< 2.0	44	35	< 2.0	53	< 2.0	< 10	< 2.0	5.4	< 2.0	1.1 J	22	< 2.0	< 2.0
	24-Oct-06	< 5.0	< 5.0	< 5.0	81	200	< 5.0	< 5.0	< 5.0	46 B	< 5.0	8.2	< 5.0	79	80	19	5.8
	23-Oct-07	< 5.0	< 5.0	< 5.0	160	620	< 5.0	79	< 5.0	< 25	< 5.0	5.5	4.0 J	260	81	55	22
	24-Oct-08	< 0.41	< 0.16	< 0.30	24	27	0.50 J	28	< 0.13	0.77 J, B	< 0.20	3.1	0.22 J	0.27 J	15	< 0.29	2.1
	9-Nov-09	< 0.34	< 0.12	< 0.25	19	22	< 0.22	25	< 0.15	< 0.35	< 0.09	2.4	< 0.11	< 0.19	11	< 0.23	1.1
	10-Nov-10	0.21 J	< 0.10	0.39 J, B	11	14	0.32 J	13	< 0.097	< 0.11	< 0.098	1.4	0.14 J	< 0.069	6.5	0.20 J	0.66 J
	2-Nov-11	< 2.0	< 1.0	< 2.0	12	14	0.25 J	14	< 1.0	< 5.0	< 1.0	1.2	0.15 J	< 1.0	5.9	< 2.0	0.58 J
	31-Oct-12	< 2.0	< 1.0	< 2.0	110	68	< 1.0	7.3	< 1.0	< 1.0	< 1.0	< 1.0	6.6	97	32	5.2	16
	25-Oct-16	< 2.0	< 1.0	< 2.0	22	61	< 1.0	13	< 1.0	< 1.0	< 1.0	1.6	< 1.0	< 1.0	9.4	< 1.0	1.0
	23-Oct-18	< 1.0	< 1.0	< 1.0	23	67	< 1.0	17	< 1.0	< 5.0	< 1.0	1.8	< 1.0	< 1.0	12	< 1.0	1.1
	23-Oct-18	< 1.0	< 1.0	< 1.0	29	86	< 1.0	38	< 1.0	< 5.0	< 1.0	2.4	< 1.0	< 1.0	14	< 1.0	1.5
	3-Mar-20	< 1.0	< 1.0	< 2.0	11	30	< 1.0	9.4	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	4.2	< 1.0	< 1.0
	3-Mar-20	< 1.0	< 1.0	< 2.0	11	31	< 1.0	9.6	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	4.5	< 1.0	< 1.0
	7-Sep-22	< 2.0	< 1.0	< 2.0	15	37	< 1.0	18	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	6.3	< 1.0	1.2
7-Sep-22*	< 2.0	< 1.0	< 2.0	16	39	< 1.0	20	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	6.6	< 1.0	1.3	
MW-15	2-Nov-05	< 1.0	< 1.0	< 1.0	9.4	15	< 1.0	3.7	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	1.1	5	< 1.0	< 1.0
	24-Oct-06	< 1.0	< 1.0	< 1.0	4.0	21	< 1.0	< 1.0	< 1.0	4.3 J	< 1.0	0.92 J	< 1.0	2.2	3.3	0.93 J	< 1.0
	22-Oct-07	2.5	< 1.0	< 1.0	4.6	31	< 1.0	3.6	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	2.2	3.5	< 1.0	< 1.0
	22-Oct-08	< 8.2	< 3.2	< 8.2	3.6 J	22	< 2.6	4.7 J	< 2.6	< 6.4	< 4.0	< 4.0	< 3.0	< 3.2	< 3.2	< 5.8	< 8.0
	9-Nov-09	< 0.34	< 0.12	< 0.25	1.8	15	< 0.22	2.8	< 0.15	< 0.35	< 0.09	< 0.10	< 0.11	< 0.19	1.4	< 0.23	< 0.22
	10-Nov-10	< 0.099	< 0.10	0.49 J, B	0.38 J	2.9	< 0.10	< 0.083	< 0.097	< 0.11	< 0.098	< 0.18	< 0.083	0.087 J	0.63 J	< 0.11	< 0.084
MW-17	3-Nov-05	< 2.5	< 2.5	< 2.5	23	< 2.5	< 2.5	3.6	< 2.5	< 12	< 2.5	< 2.5	1.8 J	< 2.5	94	< 2.5	< 2.5
	25-Oct-06	< 2.5	< 2.5	< 2.5	27	< 2.5	< 2.5	6.4	< 2.5	1.7 J	< 2.5	< 2.5	4.2	< 2.5	89	< 2.5	< 2.5
	22-Oct-07	< 2.5	< 2.5	< 2.5	29	< 2.5	< 2.5	1.8 J	< 2.5	< 12	< 2.5	< 2.5	3.5	< 2.5	73	< 2.5	< 2.5
	23-Oct-08	< 0.82	< 0.32	< 0.60	27	0.42 J	< 0.26	1.7 J	< 0.26	1.0 J, B	< 0.40	< 0.40	3.4	< 0.32	60	< 0.58	< 0.80
	9-Nov-09	< 0.34	< 0.12	< 0.25	30	< 0.10	< 0.22	1.9	< 0.15	< 0.35	< 0.09	< 0.10	4.5	< 0.19	48	< 0.23	< 0.22
	9-Nov-10	< 0.099	< 0.10	< 0.077	39	0.47 J	< 0.10	1.9	< 0.097	0.11 J, B	< 0.098	< 0.18	5.0	< 0.069	58 D	< 0.11	0.36 J
MW-27	1-Nov-05	< 50	< 50	< 50	50	650	< 50	< 50	< 50	< 250	< 50	< 50	< 50	< 50	< 50	< 50	< 50
	24-Oct-06	66	< 20	< 50	37	530	< 50	< 50	< 50	230 B	< 50	< 50	22	< 50	< 50	< 50	43
	22-Oct-07	92	< 20	< 20	9.7 J	390	< 20	31	< 20	< 100	< 20	< 20	< 20	< 20	< 20	< 20	55
	22-Oct-08	110	< 4.1	< 3.0	22	260	< 1.3	23	< 1.3	< 3.2	< 2.0	< 2.0	12	< 1.6	4.6 J	< 2.9	41
	9-Nov-09	160	< 0.60	< 1.2	21	190	< 1.1	25	< 0.75	< 1.8	< 0.45	< 0.50	12	< 0.95	< 0.65	< 1.2	47
	9-Nov-10	150 D	< 0.10	< 0.077	26	88 D	0.67 J	20	< 0.097	3.1 J, B	< 0.098	< 0.18	10	< 0.069	4.5	< 0.11	56 D
	1-Nov-11	69 D	< 1.0	< 2.0	22	44 D	< 1.0	17	< 1.0	1.8 J	< 1.0	< 1.0	9.7	< 1.0	3.9	0.16 J	25
	29-Oct-12	98	< 1.0	< 2.0	22	25	< 1.0	17	< 1.0	2.3	< 1.0	< 1.0	11	< 1.0	3.6	< 1.0	27
	28-Oct-14	190	< 1.0	< 2.0	18	13	< 1.0	14	< 1.0	2.6	< 1.0	< 1.0	10	< 1.0	3.3	< 1.0	27
	25-Oct-16	410	< 5.0	< 10	14	12	< 5.0	11	< 5.0	< 5.0	< 5.0	< 5.0	9.7	< 5.0	< 5.0	< 5.0	26
23-Oct-18	330	< 1.0	< 1.0	17	16	< 1.0	16	< 1.0	5.0	< 1.0	< 1.0	11	< 1.0	4.8	< 1.0	34	

Table 1
Groundwater Analytical Summary 2005-2022
Salt Lake City Facility
Salt Lake City, Utah

Well Number	Date Sampled	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	1,2-Dichloropropane	Methylene Chloride	1,1,2,2-Tetrachloroethane	Tetrachloroethene (PCE)	trans 1,2-Dichloroethene	1,1,1-Trichloroethane (TCA)	Trichloroethene (TCE)	Trichlorofluoromethane	Vinyl Chloride
Site Remediation Goals (SRGs) ¹		54,400	5.56	1,430	NS	51.9	16.3	1,200	48.2	14,000	27	116	706	49,800	12.3	NS	3.2
MW-27 (cont.)	3-Mar-20	< 1.0	< 1.0	< 2.0	19	14	< 1.0	14	< 1.0	4.0	< 1.0	< 1.0	8.2	< 1.0	4.2	< 1.0	26
	7-Sep-22	260	< 2.0	< 4.0	26	15	< 2.0	10	< 2.0	< 2.0	< 2.0	< 2.0	8.5	< 2.0	3.3	< 2.0	27
Canal	1-Nov-05	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	23-Oct-06	< 1.0	5.2	< 1.0	11	38	< 1.0	17	< 1.0	< 5.0	< 1.0	1	< 1.0	16	21	0.39 J	1.7
	23-Oct-07	< 1.0	2.5	< 1.0	12	47	< 1.0	17	< 1.0	6.8	< 1.0	0.86 J	0.71 J	51	29	2.6	2.6
	24-Oct-08	< 0.41	3.4	< 0.30	14	37	< 0.13	12	< 0.13	0.38 J, B	< 0.20	0.51 J	1.0	6.6	29	0.64 J	3.3
	10-Nov-09	< 0.34	< 0.12	< 0.25	< 0.10	2.5	< 0.22	< 0.14	< 0.15	< 0.35	< 0.09	< 0.10	< 0.11	< 0.19	1.1	< 0.23	< 0.22
	10-Nov-10	< 0.099	0.90 J	0.39 J, B	7.2	14	< 0.10	4.7	< 0.097	0.24 J, B	< 0.098	0.21 J	0.47 J	2.2	11	0.36 J	0.47 J
	31-Oct-12	< 2.0	< 1.0	< 2.0	1.6	4.2	< 1.0	< 1.0	< 1.0	1.1	< 1.0	< 1.0	< 1.0	< 1.0	1.9	< 1.0	< 1.0
	28-Oct-14	< 2.0	9.4	< 2.0	11	18	< 1.0	1.6	< 1.0	1.2	< 1.0	< 1.0	< 1.0	< 1.0	15	< 1.0	< 2.0
	26-Oct-16	< 2.0	2.8	< 2.0	3.2	6.4	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	2.0	< 1.0	< 1.0
	24-Oct-18	< 1.0	1.2	< 1.0	2.9	2.2	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	2.5	< 1.0	< 1.0
	4-Mar-20	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7-Sep-22	< 2.0	< 1.0	< 2.0	26	55	< 1.0	5.6	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.1	14	< 1.0	1.9

Notes:
All concentrations in µg/L.
¹Site Remediation Goals (SRGs) are based on target groundwater concentrations calculated using USEPA Vapor Intrusion Screening Level calculator (accessed on August 24, 2023). Calculations based on a commercial/industrial exposure scenario, using a hazard quotient of 1 and target risk of 1x10⁻⁶. In accordance with the DWMRCs direction, a groundwater temperature of 14° Celsius was used in the calculations. All other default exposure parameters where used.
*Duplicate sample collected from Well MW-12
Analyte concentrations highlighted in red exceed SRGs
J = Analyte detected below laboratory practical quantitation limit.
B = Method blank contamination. The associated method blank contains the target analyte at a reportable level.
D = Result was obtained from the analysis of a dilution.
H = Sample was prepped or analyzed beyond the specified hold time
NS = No Standard
Table only shows detected compounds

APPENDIX A

Parcel Legal Descriptions

Appendix A
Parcel Legal Descriptions

Parcel ID	08332260090000
Property Owner	Bay Bridge/Corporate LLC
Legal Description	BEG S 89°51'50" E 1332.11 FT & N 0°02'38" E 945 FT FR CEN OF SEC 33, T 1N, R 1W, SLM; N 0°02'38" E 423 FT; S 89°51'50" E 290 FT; S 64°45'56" E 35.36 FT; S 89°51'50" E 659.76 FT; S 0°02'38" W 408 FT; N 89°51'50" W 981.75 FT TO BEG. 9.30 AC MOR L. 5860-0602,0605 8181-0535
Parcel ID	08332760040000
Property Owner	Bay Bridge/Corporate LLC
Legal Description	BEG S 89°51'50" E 1332.11 FT & N 0°02'38" E 409.56 FT FR CEN OF SEC 33, T 1N, R 1W, S L M; N 0°02'38" E 535.44 FT; S 89°51'50" E 819.65 FT; S 0°02'38" W 535.44 FT; N 89°51'50" W 819.65 FT TO BEG. 10.1 AC M OR L. 5860-0605
Parcel ID	08332760070000
Property Owner	Bay Bridge/Corporate LLC
Legal Description	BEG S 89°51'50" E 1332.11 FT FR CEN SEC 33, T 1N, R 1W, SLB & M; N 0°02'38" E 409.56 FT; S 89°51'50" E 819.64 FT; N 0°02'38" E 534.72 FT; S 89°51'50" E 162.10 FT; S 0°02'38" E 407 FT; S 89°51'50" E 77.47 FT; S 1°01'48" W 1082.63 FT; N 89°51'50" W 1040.58 FT; N 0°02'38" E 544.50 FT TO BEG. 25.20 AC M OR L. 5417-1510 5860-605 8181-548