

**SPECIAL GROUNDWATER QUALITY COMMITTEE
WATER REPLENISHMENT DISTRICT OF SOUTHERN CALIFORNIA
4040 PARAMOUNT BLVD., LAKEWOOD, CA. 90712
8:30 AM, THURSDAY, JUNE 14, 2018**

AGENDA

Each item on the agenda, no matter how described, shall be deemed to include any appropriate motion, whether to adopt minute motion, resolution, payment of any bill, approval of any matter or action, or any other action. Items listed as "For information: or "For discussion" may also be the subject of an "action" taken by the Board or a Committee at the same meeting.

- 1. DETERMINATION OF A QUORUM**
- 2. PUBLIC COMMENT**
- 3. AUTHORIZATION FOR ONE YEAR EXTENSION FOR GROUNDWATER MONITORING OPERATIONS FACILITY LEASE**
Staff Recommendation: The Groundwater Quality Committee recommends the Board of Directors approve a one year extension for the Groundwater Monitoring Operations Facility lease.
- 4. APPROVE A LIMITED DURATION ACCESS AND INDEMNITY AGREEMENT TO COLLECT GROUNDWATER SAMPLES REQUESTED BY MUREX ENVIRONMENTAL (ON BEHALF OF ARCONIC INCORPORATED)**
Staff Recommendation: The Groundwater Quality Committee recommends the Board of Directors enter into an Access and Indemnity Agreement with Murex Environmental (or Arconic Incorporated), subject to approval as to form by District Counsel.
- 5. SAFE DRINKING WATER PROGRAM - DISADVANTAGED COMMUNITIES OUTREACH PILOT PROGRAM UPDATE**
Staff Recommendation: The Groundwater Quality Committee receive and file the report.
- 6. ENVIRONMENTAL SITES REVIEW**
Staff Recommendation: The Groundwater Quality Committee receive and file the report.
- 7. DIRECTORS REPORTS, INQUIRIES AND FOLLOW UP OF DIRECTIONS TO STAFF**
- 8. ADJOURNMENT**

Agenda posted by Senior Administrative Specialist Sherri Brown, on 06/13/2018. In compliance with ADA requirements, this document can be made available in alternative formats upon request.

In compliance with the Americans with Disabilities Act (ADA), if special assistance is needed to participate in the meeting, please contact Deputy Secretary at (562) 921-5521 for assistance to enable the District to make reasonable accommodations.

All public records relating to an agenda item on this agenda are available for public inspection at the time the record is distributed to all, or a majority of all, members of the Board. Such records shall be available at the District office located at 4040 Paramount Boulevard, Lakewood, California 90712.

Agendas and minutes are available at the District's website, www.wrd.org.

EXHAUSTION OF ADMINISTRATIVE REMEDIES – If you challenge a District action in court, you may be limited to raising only those issues you or someone else raised at the public hearing described in this notice, or in written correspondence delivered to the Deputy Secretary at, or prior to, the public hearing. Any written correspondence delivered to the District office before the District's final action on a matter will become a part of the administrative record.

**MEMORANDUM****ITEM NO. 3**

DATE: JUNE 14, 2018

TO: GROUNDWATER QUALITY (GWQ) COMMITTEE

FROM: ROBB WHITAKER, GENERAL MANAGER

SUBJECT: AUTHORIZATION FOR ONE YEAR EXTENSION FOR
GROUNDWATER MONITORING OPERATIONS FACILITY LEASE

SUMMARY

WRD's groundwater monitoring programs have been storing and operating field supplies, equipment, and vehicles from leased warehouse space at 3673 Industry Avenue, #106 in Lakewood for the past 6 years. Additionally, the space has been used for long-term administrative and accounting records storage as well as storage space for communications, education and outreach materials. The current Board authorized lease will terminate on July 31st of this year.

The recently purchased WRD Field Operations and Storage Annex (FOSA) property will be the future home for these WRD activities, but will not be ready for move in for possibly up to a year. Therefore, a 1-year lease extension is needed at the current facility.

The property owner, Surf Management, Inc. has provided a Lease Extension for 1-year at a cost of \$4,256 per month (attached), which is a 5.6% increase from the current year.

FISCAL IMPACT

No Impact

STAFF RECOMMENDATION

The Groundwater Quality Committee recommends the Board of Directors approve a one year extension for the Groundwater Monitoring Operations Facility lease.

Typed by:
Proofed by:

PLEASE SIGN AND RETURN BOTH COPIES.
A FULLY EXECUTED COPY WILL BE RETURNED TO YOU.

LEASE EXTENSION

Date: April 2, 2018

RE: 3673 Industry Avenue, #106, Lakewood, CA 90712

The undersigned hereby agree to extend that certain lease dated June 26, 2012 between WATER REPLENISHMENT DISTRICT OF SOUTHERN CALIFORNIA and 3673 INDUSTRY AVENUE, LLC for one (1) year(s) commencing August 1, 2018 and ending July 31, 2019 at a monthly rent of \$4,256.00 payable in advance on the first day of each month.

ALL OTHER TERMS AND CONDITIONS OF SAID LEASE WILL REMAIN IN FULL FORCE AND EFFECT AND ARE IN NO WAY AFFECTED BY THIS RENEWAL.

LESSEE: WATER REPLENISHMENT DISTRICT OF SOUTHERN CALIFORNIA

BY: _____ DATE: _____
Robb Whitaker, General Manager/Water Replenishment District of Southern California

LESSOR: 3673 INDUSTRY AVENUE, LLC

BY: _____ DATE: _____
Steven P. Fechner, Manager of LLC

Please return to: Surf Management, Inc., P.O. Box 3217, Torrance, CA 90510 Phone 310/533-5900

**MEMORANDUM****ITEM NO. 4**

DATE: JUNE 14, 2018

TO: GROUNDWATER QUALITY (GWQ) COMMITTEE

FROM: ROBB WHITAKER, GENERAL MANAGER

SUBJECT: APPROVE A LIMITED DURATION ACCESS AND INDEMNITY AGREEMENT TO COLLECT GROUNDWATER SAMPLES REQUESTED BY MUREX ENVIRONMENTAL (ON BEHALF OF ARCONIC INCORPORATED)

SUMMARY

WRD's recently purchased annex property at 3919 Paramount Boulevard in Lakewood is located adjacent to an environmental investigation being conducted by a responsible party (Arconic Incorporated) under the direction of the Los Angeles Regional Water Quality Control Board (LARWQCB). A groundwater delineation work plan was recently approved by the LARWQCB requiring the responsible party to do additional work to better define an existing groundwater contamination plume, including collecting groundwater samples in the northwestern parking lot of WRD's annex property, and the property immediately to the north of WRD's property.

Murex Environmental (Murex) is overseeing the investigation work on behalf of Arconic Incorporated. They are requesting access to WRD's annex parking lot to drill and collect two groundwater samples as directed by the LARWQCB. Murex is also requesting access through WRD's block wall located in the northwest portion of the annex to allow them temporary access to the neighboring property to the north. A portion of the block wall will be removed to allow sufficient access for a drill rig to pass through, and once the drilling is completed the block wall will be repaired to its original condition by MUREX.

The drilling, groundwater collection work, and block wall removal and repair will take approximately two months to complete and will be conducted during regular business hours to ensure minimal disruption to WRD. The WRD Counsel has prepared an Access and Indemnity Agreement which Murex has accepted. The Access and

Indemnity Agreement will require all surfaces to be returned to their original (pre-drilling) condition including removal / coverage of all utility markings placed as a result of notifying Underground Services Alert. The data gathered during the investigation and subsequent investigation report will be provided to WRD.

FISCAL IMPACT

None at this time

STAFF RECOMMENDATION

The Groundwater Quality Committee recommends the Board of Directors enter into an Access and Indemnity Agreement with Murex Environmental (or Arconic Incorporated), subject to approval as to form by District Counsel.

TEMPORARY ACCESS LICENSE AGREEMENT

This Temporary Access License Agreement (“License”) is made and entered into on _____, _____ 2018 by and between the WATER REPLENISHMENT DISTRICT OF SOUTHERN CALIFORNIA (“District” or “WRD”) and Murex Environmental, Inc. (“MUREX”) together referred to as the “Parties”) with respect to the following:

RECITALS

WHEREAS, the District is the owner of real property located at 3919 Paramount Boulevard, Lakewood, CA 90712, which is occupied by WRD (hereinafter referred to as the “Site”); and

WHEREAS, WRD is responsible for managing the groundwater supplies for 43 cities in south Los Angeles County; and

WHEREAS, WRD uses monitoring wells to provide the information needed to track regional groundwater quality trends, groundwater levels and flow directions in the potable aquifers; and

WHEREAS, MUREX is studying and investigating a groundwater plume and work required by the Los Angeles Regional Water Quality Control Board (LARWQCB); and

WHEREAS, MUREX requests permission and access from the District to drill two temporary soil borings to collect groundwater samples at the Site; and

WHEREAS, WRD agrees to provide access to the Site pursuant to the terms of this License for the exchange of all data and field records including but not limited to any final report generated utilizing information gained from access to the Site.

AGREEMENT

NOW, THEREFORE, it is mutually agreed by and between the undersigned Parties as follows:

1. Temporary License

The District grants to MUREX, its contractors, and subcontractors a license to enter the Site to conduct the work defined below:

Location: Two temporary soil borings will be advanced to collect groundwater samples via Hydropunch™ in a location and depth performed in accordance with the agency approved work plan entitled “Subsurface Investigation Workplan” attached hereto as Exhibit 1 to this License. Any deviation from the work plan will be discussed with and confirmed in writing

with the LARWQCB, with a copy provided to the District for its review and approval in advance of any activities on the Site.

Scope of Work/Duration: The duration of work includes one day to initiate the utility clearance process as required by law using DigAlert®, one day (if needed) to conduct utility clearance geophysics, one day to clarify any potential utility conflicts with DigAlert®, and one month to conduct the drilling of both temporary borings in the northwestern portion of the Site. All utility markings must be removed to predrilling condition upon properly abandoning the soil borings and must be confirmed / approved by a representative of WRD. The utility markings may occur during regular business hours Monday through Friday (7AM – 5PM). The drilling may occur only on a non-holiday weekday between the hours of 7AM – 5PM. A five-day notice must be provided prior to commencing any work.

After conclusion of the activities contemplated herein, MUREX shall abandon the boring in conjunction with the agency approved work plan and all applicable standards including but not limited to the California Well Standards (DWR Bulletin 74-81 and 74-90).

MUREX is also requesting access through a block wall located in the northwest portion of the Site. This will allow them temporary access to the neighboring property (under a separate access agreement) to investigate a clarifier as required by the LARWQCB. A portion of the block wall will be removed to allow sufficient access for a drill rig and once the drilling is completed (duration of no more than one month) the block wall will be repaired to its original condition (within two weeks) by MUREX.

The License is limited to the activities described above, the District does not grant permission for the performance of any other activities not agreed upon in writing by the District. The District further reserves the right, upon reasonable notice to MUREX to terminate this License at any time or deny MUREX access to the Site if the District determines that work will interfere with its operations.

2. Data

MUREX agrees to provide all data, field records including but not limited to any final report generated utilizing information gained from access to the Site.

3. Manner of Work

Prior to the start of any work contemplated under this License, MUREX agrees to coordinate with the District's contact Brian Partington.

MUREX agrees to utilize its best efforts to minimize noise, fumes, dust, fluids and other similar effects in conducting the Scope of Work and shall not otherwise interfere with the operations of the District. MUREX shall remove any and all waste derived from its activities on a daily basis, no materials or equipment may be stored on District property.

4. Insurance

MUREX shall provide prior to commencement of the Scope of Work to the District evidence of the following insurance procured by WRD:

Commercial General Liability: \$2,000,000 combine single limit per occurrence for bodily injury and property damage. The following coverage shall also be included: premises/operation; products completed operations; contractual, independent contractors; broad form property damage; personal injury; and pollution legal liability.

Comprehensive Automobile Liability Insurance: \$1,000,000 combine single limit per accident for bodily injury or property damage. The following coverage shall be included: owned automobiles, hired automobiles, not owned automobiles.

Workers' Compensation and Employees Liability: Workers' Compensation limits as required by the Labor Code of the State of California and employers liability limits of \$1,000,000 per accident.

5. Indemnification

MUREX shall indemnify, defend and hold harmless the District, its agents, representatives, employees, students and Board Members from any and all claims, actions, losses, liabilities, damages, fees and/or costs arising from the performance of the Scope of Work and any activities on the Site by MUREX and its subcontractors pursuant to this License.

6. Restoration of Property

Promptly after performing the Scope of Work, MUREX shall restore the Site to the condition that existed prior to the execution of this License.

7. Compliance With Applicable Laws

MUREX agrees that all activities performed pursuant to this License shall comply with all applicable local, state and federal laws, including, but not limited to, statutes, regulations, codes, rules and ordinances.

8. Governing Law

This License shall be governed by and interpreted pursuant to California law.

9. Entire Agreement

The terms and conditions set forth herein constitute the entire understanding of the Parties relating to the subject matter of this License. This License may be amended only by written instrument signed by both Parties.

10. Waste Disposal

All soils and other wastes generated at the Site during completion of the Scope of Work shall be timely and properly disposed of by MUREX in accordance with all federal, state and local laws in the manner and at the location selected by the District.

11. Relationship of the Parties

The Parties expressly disavow any intent or desire to create a partnership, joint venture, joint enterprise, principal and agent, or any or other business relationship by entering into this License other than that of licensor and licensee.

12. Counterparts

This License agreement may be executed in counterparts, each of which shall be deemed and original, but all of which, taken together, shall constitute one and the same instrument.

13. Notice

If to District: Water Replenishment District of Southern California
4040 Paramount Boulevard
Lakewood, CA 90712
ATTN: Brian Partington
Tel: 562-275-4249

If to MUREX: MUREX Environmental, Inc.
42 Corporate Park, Suite 120
Irvine, CA 92606
ATTN: Jeremy Squire
Tel: 714-508-0800

IN WITNESS WHEREOF, the District and MUREX have caused this License to be executed by their respective duly authorized representative as of the dates set forth below.

WATER REPLENISHMENT DISTRICT OF SOUTHERN CALIFORNIA

By: _____

Robb Whittaker, P.E.

Its: General Manager

By: _____

John D. S. Allen

Its: Board President

By: _____

Willard H. Murray, Jr.

Its: Board Secretary

Approved as To Form

Leal ▪ Trejo APC

Attorneys for the Water Replenishment District of Southern California

MUREX ENVIRONMENTAL

By: _____

Its: _____

EXHIBIT "1"

DRAFT

**MEMORANDUM****ITEM NO. 5**

DATE: JUNE 14, 2018

TO: GROUNDWATER QUALITY (GWQ) COMMITTEE

FROM: ROBB WHITAKER, GENERAL MANAGER

SUBJECT: SAFE DRINKING WATER PROGRAM - DISADVANTAGED COMMUNITIES OUTREACH PILOT PROGRAM UPDATE

SUMMARY**SUMMARY**

The District administers the Safe Drinking Water Program (SDWP) which provides grant or loan assistance to basin pumpers for wellhead treatment to remove contaminants and improve water quality. The Grant Program provides treatment for removing groundwater contaminants from man-made sources (e.g. Volatile Organic Compounds); whereas the Loan Program provides 10-year, zero-interest loans for providing water treatment to remove unacceptable levels of contaminants from natural sources (e.g. iron, manganese, and arsenic).

In 2016, the District approved three wellhead treatment projects as part of the Safe Drinking Water Program: California American Water Arlington Well, Huntington Park Well 15, and Lynwood Well 11. The wellhead treatment system at all three wells will consist of a complete granular activated filtration system built within the boundaries of the existing well sites owned and operated by the water systems. In addition, as part of Assembly Bill No. 240, the District was designated to manage and implement a water quality improvement project in the City of Maywood. The appropriated funds were assigned to the Maywood Avenue Wellhead treatment project for iron and manganese removal.

Safe Drinking Water Pilot Program

As an extension of the District's Safe Drinking Water Program, the District approved the creation of the Safe Drinking Water Disadvantage Communities (DAC) Pilot Program. The goal of this program is to assist water systems located in disadvantaged communities within the District's service area with state and federal funding to address

the issues related to their drinking water wells. The focus of the program is to provide technical assistance and extensive outreach to help the systems secure funding that is set aside specifically for disadvantaged communities. Currently there are eight water systems participating in the program and receiving assistance: City of Bell Gardens, City of Compton, City of Huntington Park and City of Lynwood, Maywood Mutual Water Company No. 1, Maywood Mutual Water Company No. 2, Maywood Mutual Water Company No. 3, Sativa LA County Water District and Tract 180 Mutual Water District.

Safe Drinking Water Program Outreach Efforts

Outreach efforts continue as staff is preparing follow-up outreach to cities, particularly disadvantaged communities, to schedule presentations for upcoming city council meetings to further explain WRD's programs.

FISCAL IMPACT

None.

STAFF RECOMMENDATION

The Groundwater Quality Committee receive and file the report.

**MEMORANDUM****ITEM NO. 6**

DATE: JUNE 14, 2018

TO: GROUNDWATER QUALITY (GWQ) COMMITTEE

FROM: ROBB WHITAKER, GENERAL MANAGER

SUBJECT: ENVIRONMENTAL SITES REVIEW

SUMMARY**SUMMARY**

WRD continues to take an active role in groundwater quality protection, cleanup, and investigation. As part of its Groundwater Contamination Prevention Program, WRD established the Central and West Coast Basin Groundwater Contamination Forum, a data-sharing and discussion forum with key stakeholders that include various cities, water purveyors, the United States Environmental Protection Agency (EPA), California Department of Toxic Substances Control (DTSC), Los Angeles Regional Water Quality Control Board (RWQCB), State Water Resources Control Board Division of Drinking Water (DDW), United States Geological Survey (USGS), and California Department of Water Resources (DWR).

In 2005, the stakeholders drafted and signed a Memorandum of Understanding ("MOU") agreeing to meet regularly and share data on major groundwater contaminated sites within the Central Basin and West Coast Basin. WRD acts as the meeting coordinator and data repository/distributor, helping stakeholders to characterize the extent of contamination to identify pathways for contaminants in shallow aquifers to reach deeper drinking water aquifers and develop optimal methods for remediating contaminated groundwater. The overall purpose of the Forum is to expedite the cleanup of these major contaminated sites in the basins.

With the cooperation and support of all stakeholders in the Groundwater Contamination Forum, WRD developed a list of high-priority groundwater contaminated sites ("environmental sites") located within the District. This list is a living document, subject to cleanup and "closure" of sites, as well as discovery of new sites warranting further attention. Currently, the list includes 49 sites located throughout the Central Basin and West Coast Basin. The list was developed based on the following criteria:

- Site location and hydrogeology
- Distance to nearest drinking water well
- Depth to shallowest water-supply aquifer beneath site
- Concentration of detected contaminants
- Fate and transport of detected contaminants
- Presence of contamination in nearby drinking water wells
- Status of site characterization with respect to groundwater contamination
- Status of site remediation with respect to groundwater contamination
- Stage of regulatory agency involvement

WRD works in close consultation with the lead regulatory agencies for each of these sites to provide data and technical support to facilitate site characterization and expedite cleanup. An update is provided below for Soco-Lynch (City of Vernon in the Central Basin) and BP Chemical (Hitco) (City of Gardena in the West Coast Basin).

SOCO-LYNCH (CITY OF VERNON)

The site was used for bulk industrial chemical storage, blending, and distribution from the 1940s to late 1980s. Various chemicals (including solvents, resins, industrial acids, concrete sealers, cleansers, epoxies, etc.) were stored in railcars, drums, storage containers, aboveground storage tanks (ASTs), and underground storage tanks (USTs). Due to historical site activities, soil and groundwater beneath the site is contaminated and environmental investigations began in 1989 under the oversight of the RWQCB. In March 2018, the RWQCB transferred the case and associated regulatory oversight to DTSC.

Groundwater impacts have been identified in shallow perched water encountered at 50 feet below ground surface (ft bgs) (flows to the southeast) and deeper regional groundwater presumed to be the Exposition Aquifer encountered at 195 ft bgs (flows to the southwest) with the main constituents of concern being 1,4-Dioxane and various chlorinated volatile organic compounds (cVOCs). Site related constituents have not been detected in the nearest active water supply wells (Vernon #12 and Vernon #17) located approximately 0.65 miles south of Soco-Lynch.

Soil remediation has been implemented to address cVOCs. Soil vapor extraction (SVE) operated intermittently over an approximate six year period (August 2007 to March 2013) and removed ~18,083 pounds of VOCs. SVE was also operated for an additional five months to address vadose zone impacts in an area of limited accessibility between August 2014 and January 2015 (removing ~14 pounds of VOCs). Additional soil excavations have reportedly removed the remaining shallow impacted soils and subsequent threat to groundwater in August 2013 (~1,869 yd³) and late 2015 (~6,879 yd³). RWQCB is requiring a vapor intrusion evaluation prior to issuing a No Further Action for soil (Soil NFA).

Groundwater has not been fully addressed by Soco-Lynch. In 2004, 10,339 gallons of carbohydrate were injected during a pilot test along the up-gradient eastern portion of the site to evaluate groundwater remediation via enhanced reductive dechlorination (ERD). In 2012, a second similar pilot test was performed in the central portion of the

site to further evaluate ERD. In-situ chemical oxidation (ISCO) is also being proposed based on the results of a treatability study to address areas with elevated 1,4-Dioxane. The RWQCB approved a Remedial Action Plan (RAP) Addendum to address groundwater contamination in a letter dated September 10, 2013. However, no action has occurred based on the most recent agency letter dated April 28, 2017 and Soco-Lynch's request to revisit the groundwater remedy based on declining concentrations as noted in a response letter dated May 25, 2017. The approach for a groundwater remedy is currently being evaluated by the new case manager at the DTSC.

BP CHEMICAL (HITCO) (CITY OF GARDENA)

The site is occupied by a manufacturing facility that produces products for a variety of industries (aerospace, defense, marine, and commercial) since its industrial operations began in 1947. The chemical constituents released to the subsurface consist primarily of chlorinated solvents with the most prevalent ones being tetrachloroethene (PCE) and trichloroethene (TCE). Environmental investigations (both soil and groundwater) have been ongoing since 1995. Contamination has been identified in multiple areas; however, the bulk of the subsurface impacts are located in the southern portion of the facility (aka, Area 1). The work is overseen by the RWQCB.

Groundwater impacts have been identified and monitored regularly within three water bearing units that generally flow to the southeast and are located at an approximate depth of 30, 50, and 70 ft bgs. The shallowest regional water producing zone beneath the site is located at an approximate depth of approximately 138 ft bgs. No active water supply wells are located within one mile down-gradient of BP Chemical (Hitco).

Soil and groundwater remediation have been implemented at the Site. A soil excavation was conducted in Area 1 to remove a bulk of the accessible shallow impacts in the late 1990s. The remaining soil impacts are being addressed via soil SVE. Cumulatively, SVE systems installed at the site have reportedly removed 16,275 pounds of solvents since 2004. In 2003, a 100 foot long permeable reactive barrier (using zero valent iron [ZVI]) was installed to address groundwater contamination along the down-gradient edge of the property to eliminate the offsite migration of site groundwater VOCs. The barrier did not meet the performance specifications after a two year monitoring period and as a result other technologies were considered including an enhanced bioremediation pilot study conducted in 2008. The pilot study results were documented in an updated groundwater feasibility study submitted in 2011. A supplemental groundwater delineation investigation was conducted in 2013/2014. In 2017, additional work was completed to assist with treatment system design and agency approval was provided for the updated Site RAP. The proposed groundwater remedy includes hydraulic containment and in-situ enhanced anaerobic bioremediation for "On-Site Area 1" and ISCO for the "Off-Site Plume".

FISCAL IMPACT

None at this time.

STAFF RECOMMENDATION

The Groundwater Quality Committee receive and file the report.

Soco-Lynch (City of Vernon, Central Basin)

Key Indicator Compounds in Groundwater (Results shown in µg/L - August 2017)				
Chemical	MCL	On-Site Perched Zone (50')	Off-Site Perched Zone (50')	Deep Zone (195')
PCE	5	140 (MW-12)	330 (MW-25)	Not Detected Above Reporting Limit
TCE	5	230 (MW-12)	71 (MW-25)	21 (MW-24)
c1,2-DCE	6	5,800 (MW-12)	92 (MW-25)	Not Detected Above Reporting Limit
Vinyl Chloride	0.5	150 (MW-12)	Not Detected Above Reporting Limit	Not Detected Above Reporting Limit
1,4-Dioxane	1.0 (NL)	330 (MW-12)	Not Detected Above Reporting Limit	Not Detected Above Reporting Limit

Source: Third Quarter 2017 Progress Report dated October 13, 2017 (Arcadis, 2017).

BP Chemical (Hitco) (City of Gardena, West Coast Basin)

Key Indicator Compounds in Groundwater (Results shown in µg/L - November 2017)							
Chemical	MCL	30 ft bgs		50 ft bgs		70 ft bgs	
		On-Site	Off-Site	On-Site	Off-Site	On-Site	Off-Site
PCE	5	4,600 (WCC-6)	260 (MH-14A)	17,000 (OW-02B)	710 (MH-14B)	18,000 (OW-02C)	1.6 (MH-14C)
TCE	5	13,000 (WCC-6)	7,700 (MH-14A)	32,000 (SMW-03B)	15,000 (MH-14B)	85,000 (OW-02C)	72 (MH-14C)
VC	0.5	130 (WCC-6)	ND<25 (MH-14A)	4,800 (SMW-03B)	ND<25 (MH-14B)	3,400 (SMW-	ND<0.25 (MH-14C)

Source: Second Semiannual 2017 Groundwater Monitoring Report (AECOM, 2018).

Common Acronyms:

PCE = Tetrachloroethene

TCE = Trichloroethene

DCE = Dichloroethene

DCA = Dichloroethane

TCA = Trichloroethane

MTBE = Methyl Tertiary Butyl Ether

TBA = Tertiary Butyl Alcohol

LNAPL = Light Non-Aqueous Phase Liquid

TPH = Total Petroleum

Hydrocarbons

µg/L = Micrograms per Liter

ND = Not Detected

FT = Feet

MCL = Maximum Contaminant Level

Ft BGS = Feet Below Ground Surface

NL = Notification Level