CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD SAN FRANCISCO BAY REGION

REVISED SELF-MONITORING AND REPORTING PROGRAM FOR

CHEVRON CHEMICAL COMPANY
POND and PLANT SITES
940 HENSLEY STREET
RICHMOND, CONTRA COSTA COUNTY

ORDER NO. R2-2015-0030

CONSISTS OF PART A AND PART B

Revised June 2015

PART A

A. GENERAL

Reporting responsibilities of waste dischargers are specified in California Water Code (CWC) sections 13225(a), 13267(b), 13383, and 13387(b) and this Board's Resolution No. 73-16. This Discharge Monitoring Program is issued in accordance with Finding 18 and Specification B.16 of Order No. R2-2015-XXXX.

The principal purposes of a discharge monitoring program are: (1) to document compliance with waste discharge requirements and prohibitions established by the Board, (2) to facilitate self-policing by waste dischargers in the prevention and abatement of pollution arising from waste discharge, (3) to develop or assist in the development of standards of performance and toxicity standards, and (4) to assist the dischargers in complying with the requirements of Article 5, Chapter 15 as revised July 1, 1991.

B. SAMPLING AND ANALYTICAL METHODS

Sample collection, storage, and analyses shall be performed according to the most recent version of U.S. EPA Standard Methods and in accordance with an approved sampling and analysis plan.

Water and waste analysis shall be performed by a laboratory approved for these analyses by the State of California. The director of the laboratory whose name appears on the certification shall supervise all analytical work in his/her laboratory and shall sign all reports of such work submitted to the Board.

All monitoring instruments and equipment shall be properly calibrated and maintained to ensure accuracy of measurements.

C. DEFINITION OF TERMS

1. A grab sample is a discrete sample collected at any time.

2. Receiving waters refers to any surface or groundwater which actually or potentially receives surface or groundwater which pass over, through, or under waste materials or contaminated soils. In this case the groundwater beneath and adjacent to the Pond Site, the surface runoff from the site, adjacent wetlands, Castro Creek, and San Pablo Bay are considered receiving waters.

3. Facility boundary refers to the alignment of the hydraulic control trench/barrier wall system for the Pond Site as shown on Figure 2 of Order No. R2-2015-XXXX.

4. Standard observations refer to:

   a. Receiving Waters

      i. Floating and suspended materials of waste origin: presence or absence, source, and size of affected area.

      ii. Discoloration and turbidity: description of color, source, and size of affected area.

      iii. Evidence of odors, presence or absence, characterization, source, and distance of travel from source.

b. Perimeter of the facility boundary.

i. Evidence of liquid leaving or entering the waste management unit, estimated size of affected area and flow rate. (Show affected area on map)

ii. Evidence of odors, presence or absence, characterization, source, and distance of travel from source.

iii. Evidence of erosion and/or daylighted waste.

c. The waste management units consisting of SMU1 and the CA.

i. Evidence of ponded water at any point on the waste management facility.

ii. Evidence of odors, presence or absence, characterization, source, and distance of travel from source.

iii. Evidence of erosion and/or daylighted waste.

D. SAMPLING, ANALYSIS, AND OBSERVATIONS

The Discharger is required to perform sampling, analyses, and observations in the following media:

1. Groundwater per section 2550.7(b)(1)(D),
2. Surface water per section 2550.7(c),

and per the non-statistical portions of the general requirements specified in section 2550.7(e) of Article 5, Chapter 15.

E. RECORDS TO BE MAINTAINED

Written reports shall be maintained by the Discharger or laboratory and shall be retained for a minimum of five years. This period of retention shall be extended during the course of any unresolved litigation regarding this discharge or when requested by the Board. Such records shall show the following for each sample:

1. Identity of sample and sample station number.
2. Date and time of sampling.
3. Date and time that analyses are started and completed, and name of the personnel performing the analyses.
4. Complete procedure used, including method of preserving the sample, and the identity and volumes of reagents used.
5. Calculation of results.
6. Results of analyses, and detection limits for each analysis.

F. REPORTS TO BE FILED WITH THE BOARD

1. The Discharger shall submit two Semi-Annual Self-Monitoring and Reporting Program Reports: one for the winter/spring (wet) season and one for the summer/fall (dry) season. The Discharger shall also submit an Annual Self-Monitoring and Reporting Program Summary Report covering the previous monitoring year. The annual summary report can be combined with the summer/fall report. The reporting period means the

duration separating the submittal of the monitoring report from the time the next iteration of that report is scheduled for submittal. Unless otherwise specified, the reporting period for each semi-annual report is six months: 1st and 2nd quarters = January 1 to June 30; and 3rd and 4th quarters = July 1 to December 31. The due date for any given report will be 60 days after the end of its reporting period. The semi-annual reports shall include, but are not limited to the following:

a. Letter of Transmittal

A letter transmitting the essential points in each report should accompany each report. Such a letter shall include a discussion of any requirement violations found during the last report period, and actions taken or planned for correcting the violations. If the Discharger has previously submitted a detailed time schedule for correcting requirement violations, a reference to the correspondence transmitting such schedule will be satisfactory. If no violations have occurred in the last report period this shall be stated in the letter of transmittal. Monitoring reports and the letter transmitting the monitoring reports shall be signed by a principal executive officer at the level of vice president or his duly authorized representative, if such representative is responsible for the overall operation of the facility from which the discharge originates. The letter shall contain a statement by the official, under penalty of perjury, that to the best of the signer's knowledge the report is true, complete, and correct.

b. Each semi-annual monitoring report shall include a compliance evaluation summary. The summary shall contain:

i. A graphic description of the elevation, velocity, and direction of groundwater flow under/around the Pond and Plant sites, based upon the past and present water level elevations and pertinent visual observations.

ii. The method and time of water level measurement, the type of pump used for purging, and pump placement in the well; the method of purging, pumping rate, equipment, and methods used to monitor field pH, temperature, and conductivity during purging; calibration of the field equipment; results of the field pH, temperature, conductivity, and turbidity observations; well recovery time or rate (as applicable); and the method of disposing of the purge water. Stabilization of field parameters may not be applicable for wells with extremely slow recovery. In place of tabulating field data, field sampling logs can be included as an appendix to the monitoring report.

iii. A written discussion of the groundwater analyses indicating any change in the quality or characteristics of the groundwater.

iv. Type of pump used, pump placement for sampling, and a detailed description of the sampling procedure; number and description of equipment, field, and travel blanks; number and description of duplicate samples; type of sample containers and preservatives used, the date and time of sampling, the name and qualifications of the person actually taking the samples, and any other observations.

c. A comprehensive discussion of the compliance record and status, as well as any corrective actions taken or planned that may be needed to bring the Discharger into full compliance with Order No. R2-2015-XXXX and Chapter 15, Title 23.

d. A map or aerial photograph shall accompany each report showing observation and monitoring station locations.

e. Laboratory statements of results of analyses specified in Part B must be included in each report. The director of the laboratory whose name appears on the laboratory certification shall supervise all analytical work in his/her laboratory and shall sign all reports of such work submitted to the Board.

i. The methods of analyses and detection limits must be appropriate for the expected concentrations. Specific methods of analyses must be identified. If methods other than U.S. EPA-approved methods or Standard Methods are used, the exact methodology must be submitted for review and approved by the Executive Officer prior to use.

ii. In addition to the results of the analyses, laboratory quality assurance/quality control (QA/QC) information must be included in the monitoring report. The laboratory QA/QC information should include the method, equipment and analytical detection limits; the recovery rates; an explanation for any recovery rate that is less than the recovery acceptance limits specified in the U.S. EPA method procedures or the laboratory's acceptance limits, if they are more stringent than those in the U.S. EPA method procedures; the results of equipment and method blanks; the results of spiked and surrogate samples; the frequency of quality control analysis; and the name and qualifications of the person(s) performing the analyses.

f. An evaluation of the effectiveness of the leachate extraction system or control facilities, which includes an evaluation of leachate buildup within the disposal units and sump areas, a summary of leachate volumes removed from the units, and a discussion of the leachate disposal/treatment methods utilized.

g. A summary and certification of completion of all standard observations for the Pond and Plant sites, the perimeter of the Pond and Plant sites, and the receiving waters.

h. The quantity and types of waste disposed of during each quarter of the reporting period and the locations of the disposal operations. Locations of the waste placement shall be depicted on a map showing the area, if any, in which filling has been completed during the previous calendar year.

i. Tabular and graphical summaries of the monitoring data obtained during the previous year; the report should be accompanied by a computer data disk, tabulating the year's data.

j. The <u>Annual Monitoring Report</u> shall be submitted to the Board covering the previous monitoring year. The Report shall include, but is not limited to, the following:

i. A graphical presentation of the analytical data [§2550.7(e)(14) of Article 5, Chapter 15] for monitoring locations that have shown detectable concentrations during two consecutive monitoring events or greater than ten percent detection frequency for any organic compound. Graphical representation must be provided for monitoring locations with metals and general chemistry analytical parameters that have an increasing trend for three consecutive monitoring events;

ii. A tabular summary of all the monitoring data obtained during the previous year;

iii. A comprehensive discussion of the compliance record and the corrective actions taken or planned that may be needed to bring the Discharger into full compliance with the then current waste discharge requirements;

iv. A map showing the area, if any, in which filling has been completed during the previous calendar year;

v. A written summary of the groundwater analyses indicating any change in the quality of the groundwater; and

vi. An evaluation of the effectiveness of the leachate monitoring/control facilities, which includes an evaluation of leachate buildup within the disposal units, a summary of leachate volumes removed from the units, and a discussion of the leachate disposal methods utilized.

Demonstration of Intrinsic Remediation: The annual reports shall provide a demonstration of the on-going intrinsic remediation. These reports shall include plots showing trends in concentration over time for the COC-parent compounds and degradation products of intrinsic remediation.

2. Contingency Reporting

a. The Discharger shall report by telephone concerning any seepage from the surface of the disposal area immediately after it is discovered. A written report shall be filed with the Board within seven days, containing at least the following information:

i. A map showing the location(s) of seepage;
ii. An estimate of the flow rate;
iii. A description of the nature of the discharge (e.g., all pertinent observations and analyses); and
iv. Corrective measures underway or proposed.

b. Following the determination that groundwater analytical results for a compliance monitoring location exceed the WQPS concentration limits (CLs), the Discharger shall evaluate QA/QC samples to determine if cross-contamination may have occurred. The Discharger shall follow the procedures below for any monitoring locations still exceeding the CLs:

i. The Discharger shall immediately re-sample at the compliance point where the CL was exceeded and re-analyze.

ii. If re-sampling and analysis confirm the exceedance of a CL, the Discharger shall document this in the text of the next Semi-Annual Monitoring Report and notify the Board in writing within 21 days of re-sampling. In this letter, the Discharger shall evaluate whether any re-sampling or additional corrective measures need to be implemented.

3. Well Logs

A boring log and a monitoring well construction log shall be submitted for each sampling well established for this monitoring program, as well as a report of inspection or certification that each well has been constructed in accordance with the construction standards of the Department of Water Resources. These shall be submitted within 45 days after the completion of well installation activities.

PART B: MONITORING AND OBSERVATION SCHEDULE

1. ONSITE OBSERVATIONS

STATION	DESCRIPTION	OBSERVATIONS	FREQUENCY
V-1 thru V-'n'	Located on the waste disposal area as delineated by a 500 foot grid network.	Standard observations for the waste management unit.	Weekly observations, report semi-annually.
P-1 thru P-'n' (perimeter)	Located at equidistant intervals not exceeding 1000 feet around the perimeter of the facility.	Standard observations for the perimeter.	Weekly observation, report semi-annually.

A map showing the visual and perimeter compliance points (V and P stations) shall be submitted by the Discharger along with the semi-annual monitoring reports.

2. SEEPAGE MONITORING

Seepage monitoring stations include stations S-1 through S-'n' and any point at which seepage is found occurring from the disposal area. The waste management unit perimeters of SMU1 and the CA shall be monitored according to the following; with results reported quarterly:

STATION	DESCRIPTION	OBSERVATIONS	FREQUENCY
S-1 thru S-'n'	At any point(s) at which seepage is found occurring from the disposal area.	Standard observation for the perimeter and standard analysis for other "i" (perform analysis once per seep).	Daily until remedial action is taken and seepage ceases.

3. A-ZONE HYDRAULIC GRADIENT MONITORING

The Discharger will take monthly water level measurements from a network of paired piezometers and sumps along the length of the hydraulic control trench (HCT)/barrier wall system to evaluate its effectiveness in maintaining a groundwater depression along the perimeter of the Pond Site which prevents offsite migration of constituents of concern. The piezometer/HCT sump pairs to be monitored are shown on Figure 1 and listed in Table 1 below:

Table 1: Hydraulic Control Monitoring Points for the Pond Site

Piezometers/Wells outside Barrier Wall	HCT Sumps inside Barrier Wall
GW-17A	HCT Sump 1
GW-69A	HCT Sump 2
GW-3A	HCT Sump 3
GW-77A	HCT Sump 5
PZ-230	HCT Sump 8
PZ-232	HCT Sump 11
PZ-206	HCT Sump 14
PZ-208	HCT Sump 17
PZ-211	HCT Sump 20
PZ-212	HCT Sump 22
GW-38A	Pond Sump 3A

4. CHEMICAL CONSTITUENT MONITORING

The Discharger shall sample the monitoring points shown on Figure 1 and listed in Table 2 on a quarterly basis for the Monitoring Parameters shown in boldface type in Table 3. The Discharger shall sample the monitoring points for the longer COC list every five years. All monitoring activities, including analytical and QA/QC procedures will be conducted in accordance with the Groundwater Quality Monitoring Program, Integrated Wastewater Pond System (IWPS) and Soil Management Unit 1, Chevron Chemical Company, Richmond, California, dated April 30, 1992, the revised version of this program dated July 8, 1993, and the most recent version of the Sampling and Analysis Plan.

Table 2: Chemical Monitoring Points for the Pond Site

A-ZONE WELLS	C-ZONE WELLS	CASTRO CREEK
GW-61A-2 (upgradient)	GW-61C-2 (upgradient)	CW-9 (upstream)
GW-31A	GW-38C	CW-7
GW-38A	GW-3C-1	CW-6
GW-3A	GW-63C	
GW-77A		
GW-78A		

Table 3: Monitoring Parameters* and Constituents of Concern for the Pond Site

Field Measurements
Static Water Level (prior to purging)
pH
Specific Conductivity
Temperature

Metals
Arsenic
Chromium
Iron
Lead
Manganese
Nickel
Zinc
Sodium

Water Quality Indicators
Ammonia
Nitrate
Total Dissolved Solids (TDS)
Chloride
Sulfate
Phenols (total)
Total Organic Carbon (TOC) Total Organic Halogen (TOX)

Volatile Organic Compounds
Benzene
Toluene
Xylenes
Trichloroethene (TCE)
Tetrachloroethene
cis/trans-1,2-Dichloroethene (c/t-1,2-DCE)
1,2-Dichloroethane (1,2-DCA)

* Monitoring Parameters are shown in bold face type. Constituents of Concern are in normal type.

Pesticides
Chlordane
DDT
Dieldrin
Lindane
Malathion
Orthene
Toxaphene
Trithion

Herbicides
2,4,5 TP (Silvex)
2,4D
Paraquat

Other Organic Compounds
Phthalic Anhydride (PA)
Tetrahydrophthalic Anhydride (THPA)
Tetrahydrophthalimide (THPI)

Fuel Hydrocarbons
Total Petroleum Hydrocarbons as Gasoline (TPH-G)
Total Petroleum Hydrocarbons as Diesel (TPH-D)
Total Petroleum Hydrocarbons as Kerosene (TPH-K)
Total Oil and Grease

Polynuclear Aromatic Hydrocarbons
Naphthalene
Fluorine
Phenanthrene
Fluoranthene

5. DETERMINATIQN OF WQPS CONCENTRATION LIMITS (CLs)

Due to the heterogeneous hydrogeology of the site, it is difficult to detect if and when a release has occurred by comparing constituent concentrations in upgradient wells with those in downgradient wells. To remedy this situation, an intra-well tracking of constituent concentrations over time is conducted. For those constituents that have not historically been reported above the laboratory detection limits, the CLs are set as the Practical Quantitation Limit (PQL) or Historic Reporting Limit (HRL) for the laboratory test method for that constituent, whichever is higher. For those constituents that have historically been reported above the HRL, the CLs are evaluated through a statistical comparison with historical data using either the prediction interval method or the non-parametric prediction limit method.

The Discharger shall compare the monitoring results for each quarter to the CLs shown in Table 4 to indicate whether a release from one of the regulated units in the Pond Site could have occurred.

6. The Discharger shall measure groundwater elevations quarterly in all monitoring wells, and shall collect and analyze representative samples of groundwater in the Plant Site according to the schedules shown in Tables 5 and 6.

Table 4: WQPS Concentration Limits for the Pond Site Groundwater Monitoring Program (units - mg/l)

Chemical Constituent (Monitoring Parameters are in bold type)	PQL	GW-3A	GW-31A	GW-38A	GW-77A	GW-78A	GW-JC-1	GW-38C	GW-63C
I,2-Dichloroethane	0.002	0.002	0.002	0.002	0.002	0.016	0.002	0.002	0.002
2,4,5-TP	0.0001	0.0009	0.0005	0.0005	0.0026	0.001	0.0003	0.0005	0.0002
2,4-D	0.001	O.OO1	O.OO1	0.005	0.004	0.01	0.001	0.001	O.OO1
Ammonia	0.2	17.9	50.2	32.4	302	135	6.58	6.94	12.4
Arsenic	0.002	0.076	1.52	0.065	0.023	0.092	0.0l8	0.015	0.008
Benzene	0.0005	0.003	0.012	0.012	0.003	0.012	0.003	0.003	0.003
Chlordane	0.0006	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
Chromium	0.02	0.036	3	0.25	0.04	0.02	0.178	0.046	0.34
DDT	0.0001	0.0025	0.0002	0.0002	0.0005	0.0002	0.0002	O.OO1	0.0008
Dieldrin	0.0001	0.0025	O.OOO1	O.OOO1	0.0005	0.0004	O.OOO1	O.OOO1	0.0008
Fluoranthene	0.005	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Fluorene	0.002	0.005	0.005	0.005	0.005	0.025	0.005	0.005	0.005
Lead	0.1	0.32	1.48	0.288	0.153	0.015	0.196	0.11	0.23
Lindane	O.OOO1	0.0025	O.OOO1	O.OOO1	0.0005	0.0004	O.OOO1	O.OOO1	O.OOO1
Malathion	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Naphthalene	0.002	0.005	0.005	0.005	0.005	0.01	0.005	0.005	0.005
Nickel	0.057	0.644	1.2	0.057	1	1.77	0.524	0.5	0.397
Nitrate	0.2	756	10	10.8	240	303	24.7	1.4	24.4
Orthene	0.06	0.06	0.06	0.06	0.12	0.12	0.06	0.06	0.06
Phthalic Anhydride	1	1	50	1	1	1	1	1	1
Paraquat	0.05	0.05	0.05	0.05	0.05	0.061	0.05	0.05	0.35
Phenanthrene	0.002	0.005	0.005	0.005	0.005	0.025	0.005	0.005	0.005
t-1,2,-Dichloroethene	0.0005	0.0022	0.276	0.021	O.OO1	O.OO1	0.001	O.OO1	O.OO1
Tetrachloroethene	0.0008	0.0008	0.0008	0.0008	0.0008	0.0066	0.0008	0.0008	0.0008
THPA	1	2	1	1	1	1	1	1	1
THPI	1	11	50	1	1	1	1	1	1
TOG	3.0	3.00	3.2	133.00	3.0	5.50	11.10	3.0	3.0
Toluene	0.0024	0.003	0.003	0.003	0.0024	0.012	0.003	0.003	0.003
Toxaphene	0.002	0.008	0.002	0.002	0.01	0.008	0.002	0.002	0.002
TPH as Diesel	0.75	1.40	1.10	1.56	1.20	1.70	1.30	1.10	I.40
TPH as Gasoline	0.20	0.48	0.62	1.23	0.38	0.50	0.50	0.20	0.38
TPH as Kerosene	0.75	1.5	3.00	1.50	1.50	0.97	1.50	1.50	1.50
Trichloroethene	0.0004	O.OO1	0.004	0.003	0.001	0.003	0.027	0.002	O.OOI
Trithion	0.01	0.01	0.01	0.01	0.04	0.04	0.01	0.01	0.01
Xylene (total)	0.005	0.005	0.005	0.005	0.005	0.025	0.005	0.005	0.005
Zinc	0.024	0.269	2.74	0.7I5	0.4I9	24.8	0.488	0.235	0.99I

Table 5:

Groundwater Monitoring Program for Plant Site Wells

Zone	Well	Location	Sampling Frequency	pH	Spec. Cond.	Temp.	TOC	TDS	Chloride	Arsenic	VOCs	Chlordane	Lindane	Orthene	Monitor	Paraquat	2,4-D	2,4,5-TP
A	GW-7A	Upgradient	Biannually	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	GW-8A	Upgradient	Biannually	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	GW-10A	Plant Site	Biannually	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	GW-11A	Downgradient	Biannually	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	GW-12A	Plant Site	Biannually	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	GW-13A	Plant Site	Biannually	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	GW-14A	Plant Site	5 years	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	GW-15A	Plant Site	Biannually	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	GW-19A	Plant Site	Biannually	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	GW-20A	Plant Site	Biannually	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	B-4	Plant Site	5 years	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	B-5	Plant Site	5 years	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
C	GW-7C	Upgradient	Annually	X	X	X	X	X	X	X	X							
	GW-8C	Upgradient	Annually	X	X	X	X	X	X	X	X							
	GW-8B	Upgradient	5 years	X	X	X	X	X	X	X	X							
	GW-10C	Plant Site	Biannually	X	X	X	X	X	X	X	X							
	GW-11C	Plant Site	Biannually	X	X	X	X	X	X	X	X							
	GW-14C	Plant Site	5 years	X	X	X	X	X	X	X	X							
	GW-15C	Plant Site	Biannually	X	X	X	X	X	X	X	X							
	GW-19C	Plant Site	Annually	X	X	X	X	X	X	X	X							
	GW-21C	Plant Site	Annually	X	X	X	X	X	X	X	X							
	GW-6C-1	Downgradient	Annually	X	X	X	X	X	X	X	X							
	GW-22C	Downgradient	Biannually	X	X	X	X	X	X	X	X							
	GW-23C	Downgradient	Biannually	X	X	X	X	X	X	X	X							
	GW-25C	Downgradient	Biannually	X	X	X	X	X	X	X	X							
	GW-26C	Downgradient	Biannually	X	X	X	X	X	X	X	X							
	GW-40C	Downgradient	Biannually	X	X	X	X	X	X	X	X							
B	GW-6B-2	Plant Site	Annually	X	X	X	X	X	X	X	X							
	GW-7B	Upgradient	Annually	X	X	X	X	X	X	X	X							
	GW-10B	Plant site	Annually	X	X	X	X	X	X	X	X							

Table 6: Intrinsic Remediation Monitoring Parameters

Well	Benzene	COD	Chloride	Chlorobenzene	c-1,2-DIchlorobenzene	Ethane	Ethene	Ethylbenzene	Methane	Methylene Chloride	Nitrate	Sulfate	Tetrachloroethene	Toluene	TOC	Total Xylenes	Trichloroethene	Vinyl Chloride
GW-7A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
GW-8A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
GW-10A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
GW-11A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
GW-12A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
GW-13A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
GW-15A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
GW-19A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
GW-20A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
GW-6B-2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
GW-7B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
GW-10B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
GW-6C-1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
GW-7C	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
GW-8C	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
GW-10C	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
GW-11C	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
GW-15C	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
GW-19C	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
GW-21C	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
GW-22C	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
GW-23C	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
GW-25C	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
GW-26C	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
GW-40C	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Table 6 (continued): Intrinsic Remediation Monitoring Parameters

Well	D.O.	pH	ORP	Temperature	Specific Conductance
GW-7A	X	X	X	X	X
GW-8A	X	X	X	X	X
GW-10A	X	X	X	X	X
GW-11A	X	X	X	X	X
GW-12A	X	X	X	X	X
GW-13A	X	X	X	X	X
GW-15A	X	X	X	X	X
GW-19A	X	X	X	X	X
GW-20A	X	X	X	X	X
GW-6B-2	X	X	X	X	X
GW-7B	X	X	X	X	X
GW-10B	X	X	X	X	X
GW-6C-1	X	X	X	X	X
GW-7C	X	X	X	X	X
GW-8C	X	X	X	X	X
GW-10C	X	X	X	X	X
GW-11C	X	X	X	X	X
GW-15C	X	X	X	X	X
GW-19C	X	X	X	X	X
GW-21C	X	X	X	X	X
GW-22C	X	X	X	X	X
GW-23C	X	X	X	X	X
GW-25C	X	X	X	X	X
GW-26C	X	X	X	X	X
GW-40C	X	X	X	X	X

I, Bruce H. Wolfe, Executive Officer, hereby certify that the foregoing Self-Monitoring and Reporting Program:

1. Has been developed in accordance with the procedures set forth in this Board's Resolution No. 73-16 in order to obtain data and document compliance with waste discharge requirements established in this Board's Order No. R2-2015-XXXX.

2. Is effective on the date shown below.

3. May be reviewed or modified at any time subsequent to the effective date, upon written notice from the Executive Officer.

Bruce H. Wolfe
Executive Officer