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**MEMO**

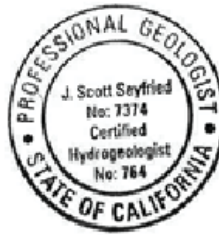
To:  
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From:  
Margaret Gentile, PE



Scott Seyfried, PG



Date:  
January 13, 2014

ARCADIS Project No.:  
RC000699.0092

Subject:  
**Attachment B**  
Proposed Revisions to the Groundwater Monitoring Program for Existing  
Agricultural Treatment Units (ATUs) Presented in the Draft Monitoring and  
Reporting Program R6V-2014-TENTATIVE for the Pacific Gas and Electric  
Groundwater Remediation Project: ATUs  
Pacific Gas and Electric Company Hinkley Compressor Station, Hinkley, California

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Pacific Gas and Electric (PG&E) has reviewed the Monitoring and Reporting Program (MRP) for the existing agricultural treatment units (ATUs) that was proposed in Attachment E of Board Order No. R6V-2014-(TENTATIVE), Waste Discharge Requirements (WDRs) for PG&E Groundwater Remediation Project: ATUs issued on December 13, 2013.

This memorandum provides suggested revisions to the groundwater monitoring well sampling program. As described below, revisions to the MRP are suggested to:

- clarify the objectives of the monitoring program
- modify the well network so that it is better aligned with the monitoring objectives, and provides better lateral and vertical coverage
- modify the frequency of sampling to better align with monitoring objectives

## Monitoring Objectives

To guide the specification of sampling locations and frequency, it is suggested that the MRP describe the following two primary types of monitoring wells:

1. **Domestic Well Protection Wells.** The objective for these wells is to monitor the potential migration of agricultural by-products (total dissolved solids [TDS], nitrate, and potentially uranium and radionuclides if indicated by WTR-MM-5) that may impact domestic wells.
2. **Characterization Wells.** The objective for these wells is to monitor for changes in by-product concentrations (TDS, nitrate, and potentially uranium and radionuclides if indicated by WTR-MM-5) in groundwater that may be associated with operation of ATUs.

These wells will also be monitored for total dissolved chromium and hexavalent chromium (Cr[VI]).

## Proposed Revisions to Monitoring Well Locations

For the characterization monitoring well program, revisions to the proposed groundwater monitoring program presented in the draft MRP (Table E-2) are proposed to provide better lateral and vertical coverage. The proposed revisions are presented in Figure 1 and Table 1. Table 1 includes the original program design as proposed by the Water Board in Table E-2 of the draft MRP is presented in Table 1, as well as the rationale for any modification from this original design. To provide better lateral coverage, modifications are suggested as noted in Table 1. To provide consistent depth coverage across both the upper upper aquifer (UUA) and lower upper aquifer (LUA), modifications were made to use available well pairs, as noted in Table 1. Monitoring of the LUA is recommended to assess for potential downward vertical migration of byproducts that may result from drawdown of the water table.

In addition, designations of monitoring wells for domestic well protection are provided in Table 1. Particle track modeling was used to predict groundwater movement for 3 years of operation of the existing ATUs at rates consistent with the current pumping plan for 2014. Domestic well protection wells were identified in areas where there is potential for groundwater impacted with ATU byproducts to migrate toward domestic wells, as listed in Table 1 and shown on Figure 1.

## Proposed Revisions to Sampling Frequency

As analyzed in the Feasibility Study and addenda, the anticipated timeframe for a remedy of combined in situ and agricultural treatment to achieve 3.1 micrograms per liter Cr(VI) is on the order of approximately 40 years (Alternative 4C-2). It is recommended that this timeframe be considered when designating monitoring frequencies such that more frequent sampling is focused on areas where rapid changes in water quality are anticipated or protection of domestic

Attachment B  
Proposed Revisions to the Groundwater Monitoring Program

wells is the objective, and less frequent sampling for longer term changes in groundwater quality over the course of remedy implementation and when protection of domestic wells is not an objective.

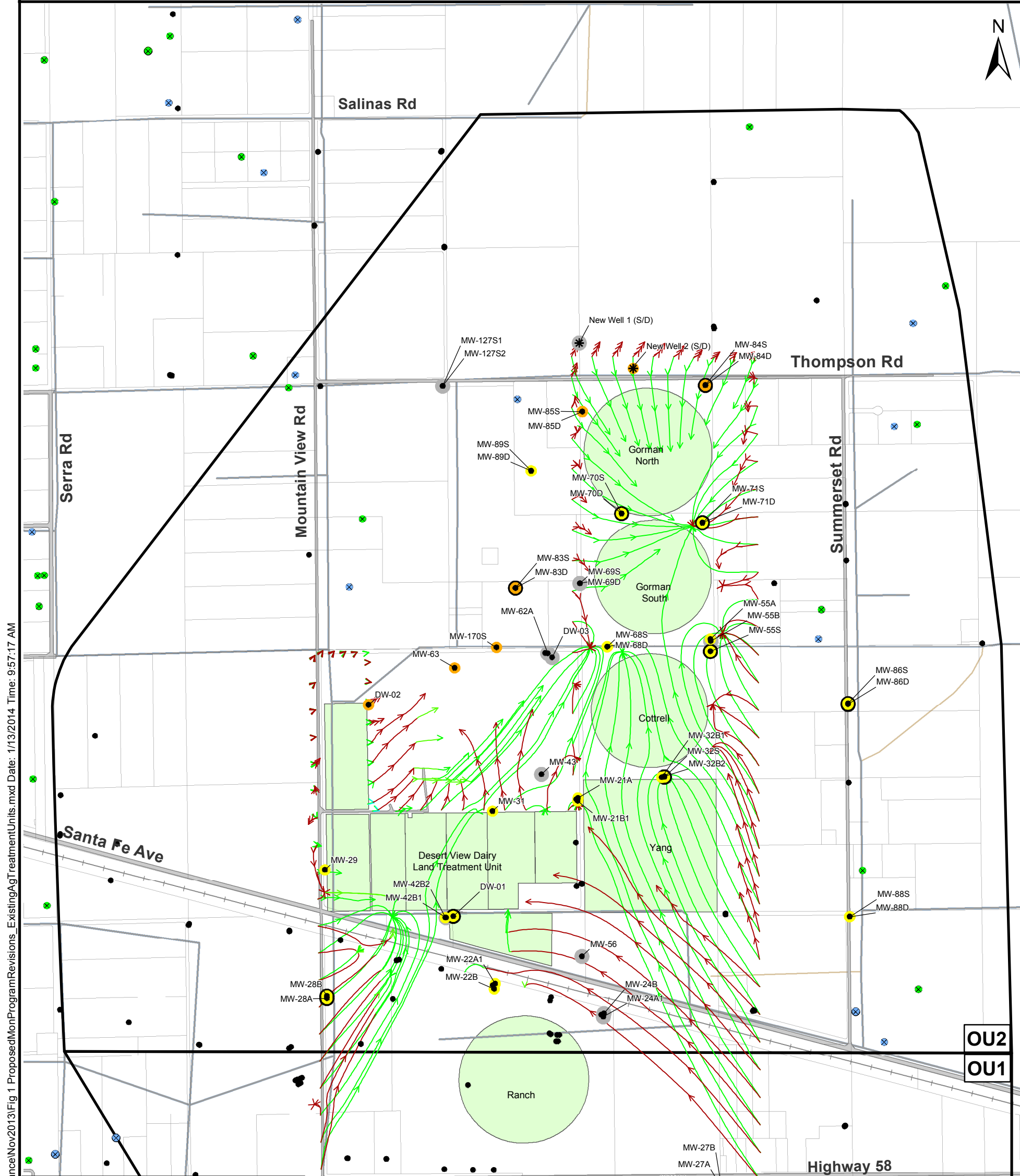
Based on this rationale, frequent quarterly sampling is proposed for the monitoring wells that are designated for the domestic well protection sampling, where particle track modeling indicates potential for migration of agricultural byproducts toward domestic wells. Monitoring wells designated for the characterization monitoring program only are located in areas where groundwater flow moves toward the pumping wells and is captured. Concentrations of byproducts in these areas are expected to change slowly, as it takes years for groundwater with higher concentrations of byproducts due to evaporation to recharge to the water table. Given that groundwater at these locations are within the capture zone of the system and that changes in concentrations will be on the scale of many years, less frequent biannual sampling (i.e. sampling every two years) is proposed for these locations. The proposed sampling frequency for the wells in the proposed monitoring network is presented in Table 1.

**ATU Groundwater Monitoring within the Overall Monitoring Program**

The draft ATU WDRs and MRP provide a compliance monitoring framework for the existing ATUs. Additional groundwater monitoring wells are routinely sampled across the site for other programs, including the in situ treatment programs and general monitoring of the Cr(VI) plume. In addition, sampling programs will evolve over time as remedial systems are added and, ultimately, as the plume is treated and remedial systems are turned off. In order to create greater transparency for compliance, to aid in optimizing the overall sampling effort across programs, and to allow for flexibility in the monitoring program as conditions and remedial system evolve overtime, a master monitoring and report program is proposed that will define objectives for each monitoring program and will be updated periodically, similar to the annual modeling and monitoring requirements that are specified the Mitigation Monitoring and Reporting Program (MMRP) that was attached to the draft WDRs. As part of the comprehensive monitoring program document, a master sampling table that provides a matrix of all site monitoring wells, the various monitoring programs, analytes and sampling frequencies is recommended. This table will aid in tracking compliance as requirements evolve over time and will aid in optimizing the sampling requirements across monitoring programs. An example of such a table is provided in the attached Table 2.

**Attachments**

- Figure 1 Proposed Monitoring Program Revisions for Existing Agricultural Treatment Units
- Table 1 Proposed Revisions to Groundwater Monitoring for Existing ATUs
- Table 2 DRAFT Preliminary Master Monitoring Well, Extraction Well and Irrigation Water Sampling Table for the Hinkley Groundwater Remediation Project



Drafter: BCG Path: I:\RC000699\0001\_PGE\_HinkleyGIS\ArcMap\_MXD\ChromiumPerformance\Nov2013\Fig 1 ProposedMonProgramRevisions\_ExistingAgTreatmentUnits.mxd Date: 1/13/2014 Time: 9:57:17 AM

**Legend**

- Monitoring Well Locations
- ✱ New Monitoring Well Required by 12-13-13 Draft MRP
- PG&E proposed domestic well protection and characterization monitoring well
- PG&E proposed characterization monitoring well
- PG&E proposed well in addition to 12-13-13 draft MRP
- PG&E proposed removal of well from 12-13-13 draft MRP

**Water Supply Wells: Status as of 11/20/13**

- Domestic Supply Well (Active)
- Domestic Supply Well (Inactive)
- Agricultural Supply Well (Active)
- Agricultural Supply Well (Inactive)

Groundwater Particle Trace (1 year arrows) deep zone of upper aquifer, model run for current planned 2014 operations

Groundwater Particle Trace (1 year arrows) shallow zone of upper aquifer, model run for current planned 2014 operations

Existing Agricultural Units (AUs)

Notes:  
ppb = parts per billion

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**Proposed Monitoring Program Revisions  
for Existing Agricultural Treatment Units**

Pacific Gas and Electric Company  
Hinkley, California

Project Number  
RC000699.0099

Date  
01/06/2014

Figure  
**1**

**Table 1.**  
**Proposed Revisions to Groundwater Monitoring for Existing ATUs**

Monitoring Well ID	Aquifer	Draft MRP Table E-2	Proposed Revision			Rationale
			Domestic Well Protection	Characterization	Sampling Frequency	
DW-01	UUA	--	---	X	BA	Proposed for UUA monitoring.
DW-02	UUA	Q	X	X	Q	Concur with location and sampling frequency.
DW-03	UUA	Q	---	---	---	Propose to remove. This well has root intrusion issues; MW-170S was constructed as a replacement and is proposed for monitoring.
MW-09	LUA	Q	---	---	---	Propose to remove - use data from MW-14 and MW-27 for upgradient characterization which provide better depth coverage.
MW-127S1	UUA	Q	---	---	---	Propose to remove - particle tracks suggest groundwater not moving in this direction.
MW-127S2	UUA	Q	---	---	---	Propose to remove - particle tracks suggest groundwater not moving in this direction.
MW-14A	UUA	Q	---	---	---	Propose to remove - use data from MW-14S for UUA characterization.
MW-14B	LUA	Q	---	X	BA	Concur with location but propose biannual sampling for characterization within capture zone.
MW-14S	UUA	Q	---	X	BA	Concur with location but propose biannual sampling for characterization within capture zone.
MW-170S	UUA	Q	X	X	Q	Concur with location and sampling frequency.
MW-21A	UUA	Q	---	X	BA	Concur with location but propose biannual sampling for characterization within capture zone.
MW-21B1	LUA	Q	---	X	BA	Concur with location but propose biannual sampling for characterization within capture zone.
MW-22A1	UUA	Q	---	X	BA	Concur with location but propose biannual sampling for characterization within capture zone.
MW-22B	LUA	Q	---	X	BA	Concur with location but propose biannual sampling for characterization within capture zone.
MW-24A1	UUA	Q	---	---	---	Propose to remove - location MW-22A is more suited for downgradient characterization of the UUA based on particle tracks.
MW-24B	LUA	Q	---	---	---	Propose to remove - location MW-22B is more suited for downgradient characterization of the LUA based on particle tracks.
MW-27A	UUA	--	---	X	BA	Proposed as alternative to location MW-09.
MW-27B	LUA	--	---	X	BA	Proposed as alternative to location MW-09.
MW-38A	UUA	--	---	X	BA	Proposed addition to monitor upgradient of ATUs on western side of system.
MW-38B	LUA	--	---	X	BA	Proposed addition to monitor upgradient of ATUs on western side of system.
MW-29	UUA	Q	---	X	BA	Concur with location but propose biannual sampling for characterization within capture zone.
MW-31	LUA	Q	---	X	BA	Concur with location but propose biannual sampling for characterization within capture zone.
MW-32B1	LUA	Q	---	X	BA	Concur with location but propose biannual sampling for characterization within capture zone.
MW-32B2	LUA	Q	---	---	---	Propose to replace - use MW-32S for characterization of UUA.
MW-32S	UUA	--	---	X	BA	Proposed as alternative to MW-32B2 for characterization of UUA.
MW-38A	UUA	--	---	X	BA	Proposed as alternative to location MW-09.
MW-38B	LUA	--	---	X	BA	Proposed as alternative to location MW-09.
MW-42B1	LUA	Q	---	---	---	Propose to remove. Adequate LUA characterization with location MW-42B2.
MW-42B2	LUA	Q	---	X	BA	Concur with location but propose biannual sampling for characterization within capture zone.
MW-43	LUA	Q	---	---	---	Propose to remove - adequate LUA characterization with locations MW-21B1 and MW-31.
MW-55A	LUA	Q	---	X	BA	Concur with location but propose biannual sampling for characterization within capture zone.
MW-55B	LUA	Q	---	---	---	Propose to remove - sufficient characterization of LUA in this area with MW-55A.
MW-55S	UUA	--	---	X	BA	Proposed for UUA monitoring.
MW-56	LUA	Q	---	---	---	Propose to remove - not optimal for monitoring downgradient of Ranch based on particle tracks. Use MW-22B for characterization.
MW-62A	LUA	Q	---	---	---	Propose to remove - adequate LUA characterization with location MW-68D.
MW-63	UUA	Q	X	X	Q	Concur with location and sampling frequency.
MW-68D	LUA	Q	---	X	BA	Concur with location but propose biannual sampling for characterization within capture zone.
MW-68S	UUA	Q	---	X	BA	Concur with location but propose biannual sampling for characterization within capture zone.
MW-69D	LUA	Q	---	---	---	Propose to remove - particle tracks indicate upgradient of Gorman South field. Use data from MW-83D in this area instead
MW-69S	UUA	Q	---	---	---	Propose to remove - particle tracks indicate upgradient of Gorman South field. Use data from MW-83S in this area instead
MW-70D	LUA	--	---	X	BA	Proposed for LUA monitoring.
MW-70S	UUA	Q	---	X	BA	Concur with location but propose biannual sampling for characterization within capture zone.
MW-71D	LUA	--	---	X	BA	Proposed for LUA monitoring.
MW-71S	UUA	Q	---	X	BA	Concur with location but propose biannual sampling for characterization within capture zone.
MW-83D	LUA	--	X	X	Q	Propose to add to supplement MW-83S with LUA location.
MW-83S	UUA	Q	X	X	Q	Concur with location and sampling frequency.
MW-84D	LUA	--	X	X	Q	Proposed to complement MW-84S with LUA location.
MW-84S	UUA	Q	X	X	Q	Concur with location and sampling frequency.

**Table 1.**  
**Proposed Revisions to Groundwater Monitoring for Existing ATUs**

Monitoring Well ID	Aquifier	Draft MRP Table E-2	Proposed Revision			Rationale
			Domestic Well Protection	Characterization	Sampling Frequency	
MW-85D	LUA	Q	X	X	Q	Concur with location and sampling frequency.
MW-85S	UUA	Q	X	X	Q	Proposed to complement MW-84S with LUA location.
MW-86D	LUA	--	---	X	BA	Proposed for upgradient LUA monitoring.
MW-86S	UUA	--	---	X	BA	Proposed for upgradient UUA monitoring.
MW-88D	LUA	--	---	X	BA	Proposed for upgradient LUA monitoring.
MW-88S	UUA	--	---	X	BA	Proposed for upgradient UUA monitoring.
MW-89D	LUA	Q	---	X	BA	Particle tracks suggest location is upgradient. Propose biannual sampling.
MW-89S	UUA	Q	---	X	BA	Particle tracks suggest location is upgradient. Propose biannual sampling.
New well 1 D	LUA	Q	X	---	---	Propose to remove - adequate coverage with MW-84, MW-85 and New Well 2 based on particle tracks and location of supply wells
New well 1 S	UUA	Q	X	---	---	Propose to remove - adequate coverage with MW-84, MW-85 and New Well 2 based on particle tracks and location of supply wells
New well 2 D	LUA	Q	X	X	Q	Concur with location and sampling frequency.
New well 2 S	UUA	Q	X	X	Q	Concur with location and sampling frequency.

LUA = Lower upper aquifier  
UUA = Upper upper aquifier  
Q = Quarterly sampling  
BA = biannual sampling  
-- = No sampling  
LTU = Land treatment unit  
MRP- Monitoring and Reporting Program

**Table 2. DRAFT Preliminary Master Monitoring Well, Extraction Well and Irrigation Water Sampling Table for the Hinkley Groundwater Remediation Project**  
 Pacific Gas and Electric Company Compressor Station, Hinkley, California

Monitoring Program			ATU WDR Compliance Monitoring			IRZ Monitoring		Performance Monitoring		Summary Analyte Sampling Frequencies <sup>g</sup>												
Analytical Suite			Cr6, CrT, Nitrate, and TDS <sup>f</sup>		Cr6, CrT, Nitrate, TDS, and U <sup>g</sup>	Cr6, CrT, TDS, and/or TOC	Cr6, CrT, TOC, Fe, Mn, As, ions for well rehab, if used	Cr6, CrT and IRZ byproducts as needed		Hexavalent Chromium (Cr6)	Total Dissolved Chromium (CrT)	Total Dissolved Solids (TDS)	Nitrate (as N)	Dissolved Arsenic (As)	Dissolved Iron (Fe)	Dissolved Manganese (Mn)	Total Organic Carbon (TOC)	Sulfate	Orthophosphate	Chloride (Cl)	Uranium (U)	
Location ID	Location Type	Aquifer	Domestic Well Protection <sup>a</sup>	Characterization <sup>a</sup>	ATU Irrigation Water Monitoring <sup>b</sup>	2009 SCRIA/NWFI NOA Monitoring Program	2010 IRZ NOA and Performance Monitoring Program <sup>c</sup>	Extraction Wells <sup>d</sup>	Chromium Monitoring													
BW-01D	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
BW-01S	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
C-01	AGR	UA	---	---	---	---	---	AN	TBD	AN	AN	---	---	---	---	---	---	---	---	---	---	---
C-02	AGR	UUA	---	---	---	---	---	AN	TBD	AN	AN	---	---	---	---	---	---	---	---	---	---	---
C-03	AGR	UUA	---	---	---	---	---	AN	TBD	AN	AN	---	---	---	---	---	---	---	---	---	---	---
C-04	AGR	UA	---	---	---	---	---	AN	TBD	AN	AN	---	---	---	---	---	---	---	---	---	---	---
CA-EX-01	EXT	UUA	---	---	---	---	---	AN	TBD	AN	AN	---	---	---	---	---	---	---	---	---	---	---
CA-EX-02	EXT	UUA	---	---	---	---	---	AN	TBD	AN	AN	---	---	---	---	---	---	---	---	---	---	---
CA-MW-101	MON	UUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	---	---	---	
CA-MW-101D	MON	LUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	---	---	---	
CA-MW-102D	MON	LUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	---	---	---	
CA-MW-102S	MON	UUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	---	---	---	
CA-MW-103	MON	UUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	---	---	---	
CA-MW-103D	MON	LUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	---	---	---	
CA-MW-104D	MON	LUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	---	---	---	
CA-MW-104S	MON	UUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	---	---	---	
CA-MW-105	MON	UUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	---	---	---	
CA-MW-105D	MON	LUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	---	---	---	
CA-MW-106D	MON	LUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	---	---	---	
CA-MW-106S	MON	UUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	---	---	---	
CA-MW-107D	MON	LUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	---	---	---	
CA-MW-107S	MON	UUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	---	---	---	
CA-MW-108D	MON	LUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	---	---	---	
CA-MW-108S	MON	UUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	---	---	---	
CA-MW-109D	MON	LUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	---	---	---	
CA-MW-109S	MON	UUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	---	---	---	
CA-MW-110	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
CA-MW-201	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---	
CA-MW-202	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---	
CA-MW-203	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---	
CA-MW-204D	MON	LUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---	

**Table 2. DRAFT Preliminary Master Monitoring Well, Extraction Well and Irrigation Water Sampling Table for the Hinkley Groundwater Remediation Project**  
 Pacific Gas and Electric Company Compressor Station, Hinkley, California

Monitoring Program			ATU WDR Compliance Monitoring			IRZ Monitoring		Performance Monitoring		Summary Analyte Sampling Frequencies <sup>g</sup>											
Analytical Suite			Cr6, CrT, Nitrate, and TDS <sup>f</sup>		Cr6, CrT, Nitrate, TDS, and U <sup>g</sup>	Cr6, CrT, TDS, and/or TOC	Cr6, CrT, TOC, Fe, Mn, As, ions for well rehab, if used	Cr6, CrT and IRZ byproducts as needed		Hexavalent Chromium (Cr6)	Total Dissolved Chromium (CrT)	Total Dissolved Solids (TDS)	Nitrate (as N)	Dissolved Arsenic (As)	Dissolved Iron (Fe)	Dissolved Manganese (Mn)	Total Organic Carbon (TOC)	Sulfate	Orthophosphate	Chloride (Cl)	Uranium (U)
Location ID	Location Type	Aquifer	Domestic Well Protection <sup>a</sup>	Characterization <sup>a</sup>	ATU Irrigation Water Monitoring <sup>b</sup>	2009 SCRIA/NWFI NOA Monitoring Program	2010 IRZ NOA and Performance Monitoring Program <sup>c</sup>	Extraction Wells <sup>d</sup>	Chromium Monitoring												
CA-MW-204S	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---
CA-MW-301	MON	UUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	Q	Q	---
CA-MW-302D	MON	LUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	A	A	---
CA-MW-302S	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	A	A	---
CA-MW-303D	MON	LUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---
CA-MW-303S	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	A	A	---
CA-MW-304	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	A	A	---
CA-MW-305	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	A	A	---
CA-MW-306D	MON	LUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	A	A	---
CA-MW-306S	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	A	A	---
CA-MW-307D	MON	LUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---
CA-MW-307S	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	A	A	---
CA-MW-308	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	A	A	---
CA-MW-309	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	A	A	---
CA-MW-310D	MON	LUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	A	A	---
CA-MW-310S	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	A	A	---
CA-MW-311	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	A	A	---
CA-MW-312D	MON	LUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	Q	Q	---
CA-MW-312S	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
CA-MW-313	MON	UUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	Q	Q	---
CA-MW-314	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	A	A	---
CA-MW-315D	MON	LUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	A	A	---
CA-MW-315S	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	A	A	---
CA-MW-316	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	A	A	---
CA-MW-317D	MON	LUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	A	A	---
CA-MW-317S	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	A	A	---
CA-MW-401	MON	UUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	Q	Q	---
CA-MW-402D	MON	LUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	A	A	---
CA-MW-402S	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	A	A	---
CA-MW-403D	MON	LUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---
CA-MW-403S	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	A	A	---



**Table 2. DRAFT Preliminary Master Monitoring Well, Extraction Well and Irrigation Water Sampling Table for the Hinkley Groundwater Remediation Project**  
 Pacific Gas and Electric Company Compressor Station, Hinkley, California

Monitoring Program			ATU WDR Compliance Monitoring			IRZ Monitoring		Performance Monitoring		Summary Analyte Sampling Frequencies <sup>g</sup>											
Analytical Suite			Cr6, CrT, Nitrate, and TDS <sup>f</sup>		Cr6, CrT, Nitrate, TDS, and U <sup>g</sup>	Cr6, CrT, TDS, and/or TOC	Cr6, CrT, TOC, Fe, Mn, As, ions for well rehab, if used	Cr6, CrT and IRZ byproducts as needed		Hexavalent Chromium (Cr6)	Total Dissolved Chromium (CrT)	Total Dissolved Solids (TDS)	Nitrate (as N)	Dissolved Arsenic (As)	Dissolved Iron (Fe)	Dissolved Manganese (Mn)	Total Organic Carbon (TOC)	Sulfate	Orthophosphate	Chloride (Cl)	Uranium (U)
Location ID	Location Type	Aquifer	Domestic Well Protection <sup>a</sup>	Characterization <sup>a</sup>	ATU Irrigation Water Monitoring <sup>b</sup>	2009 SCRIA/NWFI NOA Monitoring Program	2010 IRZ NOA and Performance Monitoring Program <sup>c</sup>	Extraction Wells <sup>d</sup>	Chromium Monitoring												
CA-MW-404D	MON	LUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---
CA-MW-404S	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	A	A	---
CA-MW-405D	MON	LUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	A	A	---
CA-MW-405S	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	A	A	---
CA-MW-406	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	A	A	---
CA-MW-407	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	A	A	---
CA-MW-408	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	A	A	---
CA-MW-409D	MON	LUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	A	A	---
CA-MW-409S	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	A	A	---
CA-MW-410	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	A	A	---
CA-MW-411D	MON	LUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	A	A	---
CA-MW-411S	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	A	A	---
CA-MW-412D	MON	LUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	Q	Q	---
CA-MW-412S	MON	UUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	Q	Q	---
CA-MW-501D	MON	LUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	---	---	---
CA-MW-501S	MON	UUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	---	---	---
CA-MW-502	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---
CA-MW-503D	MON	LUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---
CA-MW-503S	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---
CA-MW-504	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---
CA-MW-505	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---
CA-MW-506D	MON	LUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---
CA-MW-506S	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---
CA-MW-507	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---
CA-MW-508D	MON	LUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---
CA-MW-508S	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---
CA-MW-509	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---
CA-MW-510D	MON	LUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---
CA-MW-510S	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---
CA-MW-511	MON	UUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	---	---	---
CA-MW-601	MON	UUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	---	---	---

**Table 2. DRAFT Preliminary Master Monitoring Well, Extraction Well and Irrigation Water Sampling Table for the Hinkley Groundwater Remediation Project**  
 Pacific Gas and Electric Company Compressor Station, Hinkley, California

Monitoring Program			ATU WDR Compliance Monitoring			IRZ Monitoring		Performance Monitoring		Summary Analyte Sampling Frequencies <sup>e</sup>											
Analytical Suite			Cr6, CrT, Nitrate, and TDS <sup>f</sup>		Cr6, CrT, Nitrate, TDS, and U <sup>g</sup>	Cr6, CrT, TDS, and/or TOC	Cr6, CrT, TOC, Fe, Mn, As, ions for well rehab, if used	Cr6, CrT and IRZ byproducts as needed		Hexavalent Chromium (Cr6)	Total Dissolved Chromium (CrT)	Total Dissolved Solids (TDS)	Nitrate (as N)	Dissolved Arsenic (As)	Dissolved Iron (Fe)	Dissolved Manganese (Mn)	Total Organic Carbon (TOC)	Sulfate	Orthophosphate	Chloride (Cl)	Uranium (U)
Location ID	Location Type	Aquifer	Domestic Well Protection <sup>a</sup>	Characterization <sup>a</sup>	ATU Irrigation Water Monitoring <sup>b</sup>	2009 SCRIA/NWFI NOA Monitoring Program	2010 IRZ NOA and Performance Monitoring Program <sup>c</sup>	Extraction Wells <sup>d</sup>	Chromium Monitoring												
CA-MW-602	MON	UUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	---	---	---
CA-MW-603	MON	UUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	---	---	---
CA-RW-13	EXT	UA	---	---	---	---	---	AN	TBD	AN	AN	---	---	AN	AN	AN	AN	---	---	---	---
CA-RW-16	EXT	UA	---	---	---	---	---	AN	TBD	AN	AN	---	---	AN	AN	AN	AN	---	---	---	---
CA-RW-17	EXT	UA	---	---	---	---	---	AN	TBD	AN	AN	---	---	AN	AN	AN	AN	---	---	---	---
CA-RW-21	EXT	UA	---	---	---	---	---	AN	TBD	AN	AN	---	---	AN	AN	AN	AN	---	---	---	---
CA-RW-22	EXT	UA	---	---	---	---	---	AN	TBD	AN	AN	---	---	AN	AN	AN	AN	---	---	---	---
CA-RW-23	EXT	UA	---	---	---	---	---	AN	TBD	AN	AN	---	---	AN	AN	AN	AN	---	---	---	---
CPVT (Cottrell)	PVT	NA	---	---	Q	---	---	---	TBD	Q	Q	Q	Q	---	---	---	---	---	---	---	Q
DVD-BS-01 (DVD)	PVT	NA	---	---	Q	---	---	---	TBD	Q	Q	Q	Q	---	---	---	---	---	---	---	Q
DW-01	MON	UUA	---	BA	---	---	---	---	TBD	BA	BA	BA	BA	---	---	---	---	---	---	---	---
DW-02	MON	UUA	Q	Q	---	---	---	---	TBD	Q	Q	Q	Q	---	---	---	---	---	---	---	---
DW-03	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
EX-01	EXT	UA	---	---	---	---	---	AN	TBD	AN	AN	---	---	---	---	---	---	---	---	---	---
EX-02	EXT	UA	---	---	---	---	---	AN	TBD	AN	AN	---	---	---	---	---	---	---	---	---	---
EX-03	EXT	UA	---	---	---	---	---	AN	TBD	AN	AN	---	---	---	---	---	---	---	---	---	---
EX-04	EXT	LUA	---	---	---	---	---	AN	TBD	AN	AN	---	---	---	---	---	---	---	---	---	---
EX-05	EXT	UUA	---	---	---	---	---	AN	TBD	AN	AN	---	---	---	---	---	---	---	---	---	---
EX-06	MUW	UA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
EX-07	MUW	UA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
EX-08	MUW	UA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
EX-09	EXT	UUA	---	---	---	---	---	AN	TBD	AN	AN	---	---	---	---	---	---	---	---	---	---
EX-10	MUW	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
EX-13	MUW	UA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
EX-14	MUW	UA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
EX-15	EXT	UA	---	---	---	---	---	AN	TBD	AN	AN	---	---	---	---	---	---	---	---	---	---
EX-16	EXT	UA	---	---	---	---	---	AN	TBD	AN	AN	---	---	---	---	---	---	---	---	---	---
EX-17	MUW	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
EX-20	EXT	UA	---	---	---	---	---	AN	TBD	AN	AN	---	---	---	---	---	---	---	---	---	---
EX-21	EXT	UA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
EX-22	EXT	UA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---

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 Pacific Gas and Electric Company Compressor Station, Hinkley, California

Monitoring Program			ATU WDR Compliance Monitoring			IRZ Monitoring		Performance Monitoring		Summary Analyte Sampling Frequencies <sup>e</sup>												
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Location ID	Location Type	Aquifer	Domestic Well Protection <sup>a</sup>	Characterization <sup>a</sup>	ATU Irrigation Water Monitoring <sup>b</sup>	2009 SCR/IA/NWFI NOA Monitoring Program	2010 IRZ NOA and Performance Monitoring Program <sup>c</sup>	Extraction Wells <sup>d</sup>	Chromium Monitoring	Hexavalent Chromium (Cr6)	Total Dissolved Chromium (CrT)	Total Dissolved Solids (TDS)	Nitrate (as N)	Dissolved Arsenic (As)	Dissolved Iron (Fe)	Dissolved Manganese (Mn)	Total Organic Carbon (TOC)	Sulfate	Orthophosphate	Chloride (Cl)	Uranium (U)	
EX-23	EXT	UA	---	---	---	---	---	AN	TBD	AN	AN	---	---	---	---	---	---	---	---	---	---	---
EX-24	EXT	UA	---	---	---	---	---	AN	TBD	AN	AN	---	---	---	---	---	---	---	---	---	---	---
EX-25	EXT	UA	---	---	---	---	---	AN	TBD	AN	AN	---	---	---	---	---	---	---	---	---	---	---
EX-26	EXT	UA	---	---	---	---	---	AN	TBD	AN	AN	---	---	---	---	---	---	---	---	---	---	---
EX-27	EXT	UA	---	---	---	---	---	AN	TBD	AN	AN	---	---	---	---	---	---	---	---	---	---	---
EX-28	EXT	UA	---	---	---	---	---	AN	TBD	AN	AN	---	---	---	---	---	---	---	---	---	---	---
EX-29	EXT	UA	---	---	---	---	---	AN	TBD	AN	AN	---	---	---	---	---	---	---	---	---	---	---
EX-30	EXT	UA	---	---	---	---	---	AN	TBD	AN	AN	---	---	---	---	---	---	---	---	---	---	---
EX-31	EXT	UA	---	---	---	---	---	AN	TBD	AN	AN	---	---	---	---	---	---	---	---	---	---	---
EX-32	EXT	UA	---	---	---	---	---	AN	TBD	AN	AN	---	---	---	---	---	---	---	---	---	---	---
EX-33	EXT	UA	---	---	---	---	---	AN	TBD	AN	AN	---	---	---	---	---	---	---	---	---	---	---
EX-34	EXT	UA	---	---	---	---	---	AN	TBD	AN	AN	---	---	---	---	---	---	---	---	---	---	---
EX-35	EXT	UA	---	---	---	---	---	AN	TBD	AN	AN	---	---	---	---	---	---	---	---	---	---	---
FW-01	WTR	UA	---	---	---	---	---	AN	TBD	AN	AN	---	---	---	---	---	---	---	---	---	---	---
FW-02	WTR	UUA	---	---	---	---	---	AN	TBD	AN	AN	---	---	---	---	---	---	---	---	---	---	---
G-1R	AGR	UA	---	---	---	---	---	AN	TBD	AN	AN	---	---	---	---	---	---	---	---	---	---	---
G-2R	AGR	UA	---	---	---	---	---	AN	TBD	AN	AN	---	---	---	---	---	---	---	---	---	---	---
G-5R	AGR	UA	---	---	---	---	---	AN	TBD	AN	AN	---	---	---	---	---	---	---	---	---	---	---
GPVTN	PVT	NA	---	---	Q	---	---	---	TBD	Q	Q	Q	Q	---	---	---	---	---	---	---	---	Q
GPVTS	PVT	NA	---	---	Q	---	---	---	TBD	Q	Q	Q	Q	---	---	---	---	---	---	---	---	Q
IW-01	AGR	UA	---	---	---	---	---	AN	TBD	AN	AN	---	---	---	---	---	---	---	---	---	---	---
IW-02	AGR	UA	---	---	---	---	---	AN	TBD	AN	AN	---	---	---	---	---	---	---	---	---	---	---
IW-03	AGR	UA	---	---	---	---	---	AN	TBD	AN	AN	---	---	---	---	---	---	---	---	---	---	---
MB-A2	MON	UA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-01	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---	---
MW-02	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-03	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-03A	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-04	MON	UUA	---	---	---	SA	---	---	TBD	SA	SA	SA	---	---	---	---	---	---	---	---	---	---
MW-05	MON	UUA	---	---	---	Q/SA	---	---	TBD	Q	Q	SA	---	---	---	---	SA	---	---	---	---	---
MW-06	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---	---

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Monitoring Program			ATU WDR Compliance Monitoring			IRZ Monitoring		Performance Monitoring		Summary Analyte Sampling Frequencies <sup>g</sup>											
Analytical Suite			Cr6, CrT, Nitrate, and TDS <sup>f</sup>		Cr6, CrT, Nitrate, TDS, and U <sup>g</sup>	Cr6, CrT, TDS, and/or TOC	Cr6, CrT, TOC, Fe, Mn, As, ions for well rehab, if used	Cr6, CrT and IRZ byproducts as needed		Hexavalent Chromium (Cr6)	Total Dissolved Chromium (CrT)	Total Dissolved Solids (TDS)	Nitrate (as N)	Dissolved Arsenic (As)	Dissolved Iron (Fe)	Dissolved Manganese (Mn)	Total Organic Carbon (TOC)	Sulfate	Orthophosphate	Chloride (Cl)	Uranium (U)
Location ID	Location Type	Aquifer	Domestic Well Protection <sup>a</sup>	Characterization <sup>a</sup>	ATU Irrigation Water Monitoring <sup>b</sup>	2009 SCRIA/NWFI NOA Monitoring Program	2010 IRZ NOA and Performance Monitoring Program <sup>c</sup>	Extraction Wells <sup>d</sup>	Chromium Monitoring												
MW-07	MON	UUA	---	---	---	SA	---	---	TBD	SA	SA	SA	---	---	---	---	SA	---	---	---	---
MW-08	MON	LUA	---	---	---	SA	---	---	TBD	SA	SA	SA	---	---	---	---	---	---	---	---	---
MW-09	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
MW-10	MON	LUA	---	---	---	SA	---	---	TBD	SA	SA	SA	---	---	---	---	---	---	---	---	---
MW-100C	MON	LA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
MW-101D	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
MW-101S	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
MW-102D	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
MW-102S	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
MW-103D	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
MW-103S	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
MW-104D	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
MW-104S1	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
MW-104S2	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
MW-105D	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
MW-105S	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
MW-106D	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
MW-106S	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
MW-107D	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
MW-107S	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
MW-108D	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
MW-108S	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
MW-109	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
MW-110D	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
MW-110S	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
MW-111D	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
MW-111S1	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
MW-111S2	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
MW-112D	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
MW-112S	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
MW-113D	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---

**Table 2. DRAFT Preliminary Master Monitoring Well, Extraction Well and Irrigation Water Sampling Table for the Hinkley Groundwater Remediation Project**  
 Pacific Gas and Electric Company Compressor Station, Hinkley, California

Monitoring Program			ATU WDR Compliance Monitoring			IRZ Monitoring		Performance Monitoring		Summary Analyte Sampling Frequencies <sup>g</sup>												
Analytical Suite			Cr6, CrT, Nitrate, and TDS <sup>f</sup>		Cr6, CrT, Nitrate, TDS, and U <sup>g</sup>	Cr6, CrT, TDS, and/or TOC	Cr6, CrT, TOC, Fe, Mn, As, ions for well rehab, if used	Cr6, CrT and IRZ byproducts as needed		Hexavalent Chromium (Cr6)	Total Dissolved Chromium (CrT)	Total Dissolved Solids (TDS)	Nitrate (as N)	Dissolved Arsenic (As)	Dissolved Iron (Fe)	Dissolved Manganese (Mn)	Total Organic Carbon (TOC)	Sulfate	Orthophosphate	Chloride (Cl)	Uranium (U)	
Location ID	Location Type	Aquifer	Domestic Well Protection <sup>a</sup>	Characterization <sup>a</sup>	ATU Irrigation Water Monitoring <sup>b</sup>	2009 SCRIA/NWFI NOA Monitoring Program	2010 IRZ NOA and Performance Monitoring Program <sup>c</sup>	Extraction Wells <sup>d</sup>	Chromium Monitoring													
MW-113S1	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-113S2	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-114D1	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-114D2	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-114S	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-115D	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-115S	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-116D1	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-116D2	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-116S	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-117D	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-117S1	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-117S2	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-118S	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-119D	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-119S	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-11A	MON	UUA	---	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---
MW-11B	MON	LUA	---	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---
MW-11C	MON	LA	---	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
MW-121D	MON	LUA	---	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
MW-121S	MON	UUA	---	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
MW-122D	MON	LUA	---	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
MW-122S	MON	UUA	---	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
MW-123S1	MON	UUA	---	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
MW-123S2	MON	UUA	---	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
MW-124D	MON	LUA	---	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
MW-124S1	MON	UUA	---	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
MW-124S2	MON	UUA	---	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
MW-125S1	MON	UUA	---	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
MW-125S2	MON	UUA	---	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
MW-126S1	MON	UUA	---	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---

**Table 2. DRAFT Preliminary Master Monitoring Well, Extraction Well and Irrigation Water Sampling Table for the Hinkley Groundwater Remediation Project**  
 Pacific Gas and Electric Company Compressor Station, Hinkley, California

Monitoring Program			ATU WDR Compliance Monitoring			IRZ Monitoring		Performance Monitoring		Summary Analyte Sampling Frequencies <sup>g</sup>												
Analytical Suite			Cr6, CrT, Nitrate, and TDS <sup>f</sup>		Cr6, CrT, Nitrate, TDS, and U <sup>g</sup>	Cr6, CrT, TDS, and/or TOC	Cr6, CrT, TOC, Fe, Mn, As, ions for well rehab, if used	Cr6, CrT and IRZ byproducts as needed		Hexavalent Chromium (Cr6)	Total Dissolved Chromium (CrT)	Total Dissolved Solids (TDS)	Nitrate (as N)	Dissolved Arsenic (As)	Dissolved Iron (Fe)	Dissolved Manganese (Mn)	Total Organic Carbon (TOC)	Sulfate	Orthophosphate	Chloride (Cl)	Uranium (U)	
Location ID	Location Type	Aquifer	Domestic Well Protection <sup>a</sup>	Characterization <sup>a</sup>	ATU Irrigation Water Monitoring <sup>b</sup>	2009 SCRIA/NWFI NOA Monitoring Program	2010 IRZ NOA and Performance Monitoring Program <sup>c</sup>	Extraction Wells <sup>d</sup>	Chromium Monitoring													
MW-126S2	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-127S1	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-127S2	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-128S1	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-128S2	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-128S3	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-129S	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-12A	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-12B	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-13	MON	LUA	---	---	---	Q/SA	---	---	TBD	Q	Q	SA	---	---	---	---	---	---	---	---	---	---
MW-130S1	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-130S2	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-131S1	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-132S	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-133S1	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-133S2	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-135S1	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-135S2	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-136S1	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-136S2	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-137S1	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-137S2	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-137S3	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-138S1	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-138S2	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-139S1	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-139S2	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-140S1	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-140S2	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-140S3	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-141D	MON	UNK	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---

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 Pacific Gas and Electric Company Compressor Station, Hinkley, California

Monitoring Program			ATU WDR Compliance Monitoring			IRZ Monitoring		Performance Monitoring		Summary Analyte Sampling Frequencies <sup>g</sup>												
Analytical Suite			Cr6, CrT, Nitrate, and TDS <sup>f</sup>		Cr6, CrT, Nitrate, TDS, and U <sup>g</sup>	Cr6, CrT, TDS, and/or TOC	Cr6, CrT, TOC, Fe, Mn, As, ions for well rehab, if used	Cr6, CrT and IRZ byproducts as needed		Hexavalent Chromium (Cr6)	Total Dissolved Chromium (CrT)	Total Dissolved Solids (TDS)	Nitrate (as N)	Dissolved Arsenic (As)	Dissolved Iron (Fe)	Dissolved Manganese (Mn)	Total Organic Carbon (TOC)	Sulfate	Orthophosphate	Chloride (Cl)	Uranium (U)	
Location ID	Location Type	Aquifer	Domestic Well Protection <sup>a</sup>	Characterization <sup>a</sup>	ATU Irrigation Water Monitoring <sup>b</sup>	2009 SCRIA/NWFI NOA Monitoring Program	2010 IRZ NOA and Performance Monitoring Program <sup>c</sup>	Extraction Wells <sup>d</sup>	Chromium Monitoring													
MW-141S1	MON	UNK	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-141S2	MON	UNK	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-142S1	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-142S2	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-142S3	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-143D1	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-143D2	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-143S	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-144D1	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-144D2	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-144S	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-145D1	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-145D2	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-145S	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-146D1	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-146D2	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-146S	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-147D	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-147S	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-148S	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-149S	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-14A	MON	UUA	---	---	---	SA	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	---	---	---	---
MW-14B	MON	LUA	---	BA	---	SA	---	---	TBD	SA	SA	SA	---	---	---	---	---	---	---	---	---	---
MW-14C	MON	LA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-14S	MON	UUA	---	BA	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	---	---	---	---
MW-15	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-150S1	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-150S2	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-151D1	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-151D2	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-151S	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---

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 Pacific Gas and Electric Company Compressor Station, Hinkley, California

Monitoring Program			ATU WDR Compliance Monitoring			IRZ Monitoring		Performance Monitoring		Summary Analyte Sampling Frequencies <sup>g</sup>												
Analytical Suite			Cr6, CrT, Nitrate, and TDS <sup>f</sup>		Cr6, CrT, Nitrate, TDS, and U <sup>g</sup>	Cr6, CrT, TDS, and/or TOC	Cr6, CrT, TOC, Fe, Mn, As, ions for well rehab, if used	Cr6, CrT and IRZ byproducts as needed		Hexavalent Chromium (Cr6)	Total Dissolved Chromium (CrT)	Total Dissolved Solids (TDS)	Nitrate (as N)	Dissolved Arsenic (As)	Dissolved Iron (Fe)	Dissolved Manganese (Mn)	Total Organic Carbon (TOC)	Sulfate	Orthophosphate	Chloride (Cl)	Uranium (U)	
Location ID	Location Type	Aquifer	Domestic Well Protection <sup>a</sup>	Characterization <sup>a</sup>	ATU Irrigation Water Monitoring <sup>b</sup>	2009 SCRIA/NWFI NOA Monitoring Program	2010 IRZ NOA and Performance Monitoring Program <sup>c</sup>	Extraction Wells <sup>d</sup>	Chromium Monitoring													
MW-152D1	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-152D2	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-152S	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-153S	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-154S1	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-154S2	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-155D	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-155S	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-156S	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-157S	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-158C	MON	LA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-158S	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-159C	MON	LA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-159D	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-159S	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-16	MON	UUA	---	---	---	Q/SA	A	---	TBD	Q	Q	SA	---	A	A	A	A	---	---	---	---	---
MW-160C	MON	LA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-160D	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-160S	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-161S1	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-161S2	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-161S3	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-162S1	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-162S2	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-162S3	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-163D	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-163S	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-164D	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-164S	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-165D	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-165S	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---



**Table 2. DRAFT Preliminary Master Monitoring Well, Extraction Well and Irrigation Water Sampling Table for the Hinkley Groundwater Remediation Project**  
 Pacific Gas and Electric Company Compressor Station, Hinkley, California

Monitoring Program			ATU WDR Compliance Monitoring			IRZ Monitoring		Performance Monitoring		Summary Analyte Sampling Frequencies <sup>g</sup>												
Analytical Suite			Cr6, CrT, Nitrate, and TDS <sup>f</sup>		Cr6, CrT, Nitrate, TDS, and U <sup>g</sup>	Cr6, CrT, TDS, and/or TOC	Cr6, CrT, TOC, Fe, Mn, As, ions for well rehab, if used	Cr6, CrT and IRZ byproducts as needed		Hexavalent Chromium (Cr6)	Total Dissolved Chromium (CrT)	Total Dissolved Solids (TDS)	Nitrate (as N)	Dissolved Arsenic (As)	Dissolved Iron (Fe)	Dissolved Manganese (Mn)	Total Organic Carbon (TOC)	Sulfate	Orthophosphate	Chloride (Cl)	Uranium (U)	
Location ID	Location Type	Aquifer	Domestic Well Protection <sup>a</sup>	Characterization <sup>a</sup>	ATU Irrigation Water Monitoring <sup>b</sup>	2009 SCRIA/NWFI NOA Monitoring Program	2010 IRZ NOA and Performance Monitoring Program <sup>c</sup>	Extraction Wells <sup>d</sup>	Chromium Monitoring													
MW-166S1	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-166S2	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-167D	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-167S1	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-167S2	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-168D	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-168S	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-169D	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-169S1	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-169S2	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-17	MON	UUA	---	---	---	---	Q	---	TBD	Q	TBD	---	---	---	---	Q	---	---	---	---	---	---
MW-170S	MON	UUA	Q	Q	---	---	---	---	TBD	Q	Q	Q	Q	---	---	---	---	---	---	---	---	---
MW-171D1	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-171D2	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-171S	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-172S1	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-172S2	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-173D	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-173S1	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-173S2	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-174S1	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-174S2	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-174S3	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-175D	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-175S1	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-175S2	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-176S	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-177D	MON	LUA	---	---	---	---	Q	---	TBD	Q	---	---	---	---	---	Q	---	---	---	---	---	---
MW-177S	MON	UUA	---	---	---	---	Q	---	TBD	Q	---	---	---	---	---	Q	---	---	---	---	---	---
MW-178D	MON	LUA	---	---	---	---	Q	---	TBD	Q	---	---	---	---	---	Q	---	---	---	---	---	---
MW-178S	MON	UUA	---	---	---	---	Q	---	TBD	Q	---	---	---	---	---	Q	---	---	---	---	---	---

**Table 2. DRAFT Preliminary Master Monitoring Well, Extraction Well and Irrigation Water Sampling Table for the Hinkley Groundwater Remediation Project**  
 Pacific Gas and Electric Company Compressor Station, Hinkley, California

Monitoring Program			ATU WDR Compliance Monitoring			IRZ Monitoring		Performance Monitoring		Summary Analyte Sampling Frequencies <sup>g</sup>											
Analytical Suite			Cr6, CrT, Nitrate, and TDS <sup>f</sup>		Cr6, CrT, Nitrate, TDS, and U <sup>g</sup>	Cr6, CrT, TDS, and/or TOC	Cr6, CrT, TOC, Fe, Mn, As, ions for well rehab, if used	Cr6, CrT and IRZ byproducts as needed		Hexavalent Chromium (Cr6)	Total Dissolved Chromium (CrT)	Total Dissolved Solids (TDS)	Nitrate (as N)	Dissolved Arsenic (As)	Dissolved Iron (Fe)	Dissolved Manganese (Mn)	Total Organic Carbon (TOC)	Sulfate	Orthophosphate	Chloride (Cl)	Uranium (U)
Location ID	Location Type	Aquifer	Domestic Well Protection <sup>a</sup>	Characterization <sup>a</sup>	ATU Irrigation Water Monitoring <sup>b</sup>	2009 SCRIA/NWFI NOA Monitoring Program	2010 IRZ NOA and Performance Monitoring Program <sup>c</sup>	Extraction Wells <sup>d</sup>	Chromium Monitoring												
MW-179D	MON	LUA	---	---	---	---	Q	---	TBD	Q	---	---	---	---	---	Q	---	---	---	---	---
MW-179S	MON	UUA	---	---	---	---	Q	---	TBD	Q	---	---	---	---	---	Q	---	---	---	---	---
MW-17D	MON	LUA	---	---	---	---	Q	---	TBD	Q	---	---	---	---	---	Q	---	---	---	---	---
MW-18	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
MW-180RD	MON	UUA	---	---	---	---	Q	---	TBD	Q	---	---	---	---	---	Q	---	---	---	---	---
MW-180RS	MON	LUA	---	---	---	---	Q	---	TBD	Q	---	---	---	---	---	Q	---	---	---	---	---
MW-181D	MON	LUA	---	---	---	---	Q	---	TBD	Q	---	---	---	---	---	Q	---	---	---	---	---
MW-181S	MON	UUA	---	---	---	---	Q	---	TBD	Q	---	---	---	---	---	Q	---	---	---	---	---
MW-182D	MON	LUA	---	---	---	---	Q	---	TBD	Q	---	---	---	---	---	Q	---	---	---	---	---
MW-182S	MON	UUA	---	---	---	---	Q	---	TBD	Q	---	---	---	---	---	Q	---	---	---	---	---
MW-183D	MON	LUA	---	---	---	---	Q	---	TBD	Q	---	---	---	---	---	Q	---	---	---	---	---
MW-183S	MON	UUA	---	---	---	---	Q	---	TBD	Q	---	---	---	---	---	Q	---	---	---	---	---
MW-184S1	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
MW-184S2	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
MW-184S3	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
MW-185S1	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
MW-185S2	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
MW-185S3	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
MW-186S1	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
MW-186S2	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
MW-186S3	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
MW-187D1	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
MW-187D2	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
MW-187S1	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
MW-188S1	MON	UNK	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
MW-188S2	MON	UNK	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
MW-188S3	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
MW-189D1	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
MW-189D2	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
MW-189D3	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
MW-19	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---

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 Pacific Gas and Electric Company Compressor Station, Hinkley, California

Monitoring Program			ATU WDR Compliance Monitoring			IRZ Monitoring		Performance Monitoring		Summary Analyte Sampling Frequencies <sup>g</sup>												
Analytical Suite			Cr6, CrT, Nitrate, and TDS <sup>f</sup>		Cr6, CrT, Nitrate, TDS, and U <sup>g</sup>	Cr6, CrT, TDS, and/or TOC	Cr6, CrT, TOC, Fe, Mn, As, ions for well rehab, if used	Cr6, CrT and IRZ byproducts as needed		Hexavalent Chromium (Cr6)	Total Dissolved Chromium (CrT)	Total Dissolved Solids (TDS)	Nitrate (as N)	Dissolved Arsenic (As)	Dissolved Iron (Fe)	Dissolved Manganese (Mn)	Total Organic Carbon (TOC)	Sulfate	Orthophosphate	Chloride (Cl)	Uranium (U)	
Location ID	Location Type	Aquifer	Domestic Well Protection <sup>a</sup>	Characterization <sup>a</sup>	ATU Irrigation Water Monitoring <sup>b</sup>	2009 SCRIA/NWFI NOA Monitoring Program	2010 IRZ NOA and Performance Monitoring Program <sup>c</sup>	Extraction Wells <sup>d</sup>	Chromium Monitoring													
MW-190D1	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-190D2	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-190S1	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-191D1	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-191D2	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-191D3	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-192D	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-192S	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-193S1	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-193S2	MON	UNK	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-193S3	MON	UNK	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-194S1	MON	UNK	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-194S2	MON	UNK	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-194S3	MON	UNK	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-195S1	MON	UNK	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-195S2	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-195S3	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-196S1	MON	UNK	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-196S2	MON	UNK	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-196S3	MON	UNK	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-197S1	MON	UNK	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-197S2	MON	UNK	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-197S3	MON	UNK	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-198S1	MON	UNK	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-198S2	MON	UNK	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-198S3	MON	UNK	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-199D1	MON	UNK	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-199D2	MON	UNK	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-199S1	MON	UNK	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-20	MON	UUA	---	---	---	---	---	Q	TBD	Q	Q	---	---	Q	Q	Q	Q	---	---	---	---	
MW-200S1	MON	UNK	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---

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Monitoring Program			ATU WDR Compliance Monitoring			IRZ Monitoring		Performance Monitoring		Summary Analyte Sampling Frequencies <sup>g</sup>												
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Location ID	Location Type	Aquifer	Domestic Well Protection <sup>a</sup>	Characterization <sup>a</sup>	ATU Irrigation Water Monitoring <sup>b</sup>	2009 SCRIA/NWFI NOA Monitoring Program	2010 IRZ NOA and Performance Monitoring Program <sup>c</sup>	Extraction Wells <sup>d</sup>	Chromium Monitoring													
MW-200S2	MON	UNK	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-200S3	MON	UNK	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-201S1	MON	UNK	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-201S2	MON	UNK	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-202S1	MON	UNK	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-202S2	MON	UNK	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-203D	MON	UNK	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-203S	MON	UNK	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-204D	MON	UNK	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-204S1	MON	UNK	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-204S2	MON	UNK	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-205S1	MON	UNK	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-205S2	MON	UNK	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-205S3	MON	UNK	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-21A	MON	UUA	---	BA	---	---	---	---	TBD	BA	BA	BA	BA	---	---	---	---	---	---	---	---	---
MW-21B	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-21B1	MON	LUA	---	BA	---	---	---	---	TBD	BA	BA	BA	BA	---	---	---	---	---	---	---	---	---
MW-21C	MON	LA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-2-2	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-22A1	MON	UUA	---	BA	---	---	---	---	TBD	BA	BA	BA	BA	---	---	---	---	---	---	---	---	---
MW-22A2	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-22B	MON	LUA	---	BA	---	---	---	---	TBD	BA	BA	BA	BA	---	---	---	---	---	---	---	---	---
MW-2-3	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-23A	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-23B	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-23C	MON	LA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-2-4	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-24A1	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-24A2	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-24B	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-2-5	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---

**Table 2. DRAFT Preliminary Master Monitoring Well, Extraction Well and Irrigation Water Sampling Table for the Hinkley Groundwater Remediation Project**  
 Pacific Gas and Electric Company Compressor Station, Hinkley, California

Monitoring Program			ATU WDR Compliance Monitoring			IRZ Monitoring		Performance Monitoring		Summary Analyte Sampling Frequencies <sup>e</sup>												
Analytical Suite			Cr6, CrT, Nitrate, and TDS <sup>f</sup>		Cr6, CrT, Nitrate, TDS, and U <sup>g</sup>	Cr6, CrT, TDS, and/or TOC	Cr6, CrT, TOC, Fe, Mn, As, ions for well rehab, if used	Cr6, CrT and IRZ byproducts as needed		Hexavalent Chromium (Cr6)	Total Dissolved Chromium (CrT)	Total Dissolved Solids (TDS)	Nitrate (as N)	Dissolved Arsenic (As)	Dissolved Iron (Fe)	Dissolved Manganese (Mn)	Total Organic Carbon (TOC)	Sulfate	Orthophosphate	Chloride (Cl)	Uranium (U)	
Location ID	Location Type	Aquifer	Domestic Well Protection <sup>a</sup>	Characterization <sup>a</sup>	ATU Irrigation Water Monitoring <sup>b</sup>	2009 SCRIA/NWFI NOA Monitoring Program	2010 IRZ NOA and Performance Monitoring Program <sup>c</sup>	Extraction Wells <sup>d</sup>	Chromium Monitoring													
MW-25A2	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-25B	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-26	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-2-6	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-27A	MON	UUA	---	BA	---	---	---	---	TBD	BA	BA	BA	BA	---	---	---	---	---	---	---	---	---
MW-27B	MON	LUA	---	BA	---	SA	---	---	TBD	SA	SA	SA	BA	---	---	---	---	---	---	---	---	---
MW-28A	MON	UUA	---	---	---	SA	---	---	TBD	TBD	TBD	SA	---	---	---	---	---	---	---	---	---	---
MW-28B	MON	LUA	---	---	---	Q/SA	---	---	TBD	Q	Q	SA	---	---	---	---	---	---	---	---	---	---
MW-28C	MON	LA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-29	MON	UUA	---	BA	---	Q/SA	---	---	TBD	Q	Q	SA	BA	---	---	---	---	---	---	---	---	---
MW-30A	MON	UA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-30B1	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-30B2	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-31	MON	LUA	---	BA	---	---	---	---	TBD	BA	BA	BA	BA	---	---	---	---	---	---	---	---	---
MW-31C	MON	LA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-32B1	MON	LUA	---	BA	---	---	---	---	TBD	BA	BA	BA	BA	---	---	---	---	---	---	---	---	---
MW-32B2	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-32S	MON	UUA	---	BA	---	---	---	---	TBD	BA	BA	BA	BA	---	---	---	---	---	---	---	---	---
MW-33A	MON	UUA	---	---	---	SA	---	---	TBD	SA	SA	SA	---	---	---	---	SA	---	---	---	---	---
MW-33B	MON	LUA	---	---	---	SA	---	---	TBD	SA	SA	SA	---	---	---	---	SA	---	---	---	---	---
MW-34	MON	LA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-35	MON	LUA	---	---	---	SA	---	---	TBD	SA	SA	SA	---	---	---	---	SA	---	---	---	---	---
MW-36	MON	UUA	---	---	---	SA	---	---	TBD	SA	SA	SA	---	---	---	---	---	---	---	---	---	---
MW-37	MON	UUA	---	---	---	SA	---	---	TBD	SA	SA	SA	---	---	---	---	---	---	---	---	---	---
MW-38A	MON	UUA	---	---	---	SA	Q	---	TBD	Q	TBD	---	---	---	---	Q	---	---	---	---	---	---
MW-38B	MON	LUA	---	---	---	SA	Q	---	TBD	Q	TBD	---	---	---	---	Q	---	---	---	---	---	---
MW-39	MON	UUA	---	---	---	---	Q	---	TBD	Q	TBD	---	---	---	---	Q	---	---	---	---	---	---
MW-39D	MON	LUA	---	---	---	---	Q	---	TBD	Q	TBD	---	---	---	---	Q	---	---	---	---	---	---
MW-40	MON	LUA	---	---	---	Q/SA	---	---	TBD	Q	Q	SA	---	---	---	---	---	---	---	---	---	---
MW-41A	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-41B	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---

**Table 2. DRAFT Preliminary Master Monitoring Well, Extraction Well and Irrigation Water Sampling Table for the Hinkley Groundwater Remediation Project**  
 Pacific Gas and Electric Company Compressor Station, Hinkley, California

Monitoring Program			ATU WDR Compliance Monitoring			IRZ Monitoring		Performance Monitoring		Summary Analyte Sampling Frequencies <sup>g</sup>												
Analytical Suite			Cr6, CrT, Nitrate, and TDS <sup>f</sup>		Cr6, CrT, Nitrate, TDS, and U <sup>g</sup>	Cr6, CrT, TDS, and/or TOC	Cr6, CrT, TOC, Fe, Mn, As, ions for well rehab, if used	Cr6, CrT and IRZ byproducts as needed		Hexavalent Chromium (Cr6)	Total Dissolved Chromium (CrT)	Total Dissolved Solids (TDS)	Nitrate (as N)	Dissolved Arsenic (As)	Dissolved Iron (Fe)	Dissolved Manganese (Mn)	Total Organic Carbon (TOC)	Sulfate	Orthophosphate	Chloride (Cl)	Uranium (U)	
Location ID	Location Type	Aquifer	Domestic Well Protection <sup>a</sup>	Characterization <sup>a</sup>	ATU Irrigation Water Monitoring <sup>b</sup>	2009 SCRIA/NWFI NOA Monitoring Program	2010 IRZ NOA and Performance Monitoring Program <sup>c</sup>	Extraction Wells <sup>d</sup>	Chromium Monitoring													
MW-41S	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-42B1	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-42B2	MON	LUA	---	BA	---	---	---	---	TBD	BA	BA	BA	BA	---	---	---	---	---	---	---	---	---
MW-42C	MON	LA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-43	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-44A	MON	UUA	---	---	---	Q/SA	---	---	TBD	Q	Q	SA	---	---	---	---	---	---	---	---	---	---
MW-44B	MON	LUA	---	---	---	Q/SA	---	---	TBD	Q	Q	SA	---	---	---	---	---	---	---	---	---	---
MW-45A	MON	UUA	---	---	---	SA	---	---	TBD	TBD	TBD	SA	---	---	---	---	---	---	---	---	---	---
MW-45B	MON	LUA	---	---	---	Q/SA	---	---	TBD	Q	Q	SA	---	---	---	---	---	---	---	---	---	---
MW-46	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-47	MON	UUA	---	---	---	Q/SA	---	---	TBD	Q	Q	SA	---	---	---	---	---	---	---	---	---	---
MW-47A	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-47BR	MON	BR	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-48	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-49A	MON	LUA	---	---	---	SA	---	---	TBD	SA	SA	SA	---	---	---	---	SA	---	---	---	---	---
MW-49B	MON	LUA	---	---	---	SA	---	---	TBD	TBD	TBD	SA	---	---	---	---	SA	---	---	---	---	---
MW-49S	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-50A	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-50B	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-50S	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-51	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-52	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-53	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-54	MON	UUA	---	---	---	Q/SA	---	---	TBD	Q	Q	SA	---	---	---	---	---	---	---	---	---	---
MW-55A	MON	LUA	---	BA	---	---	---	---	TBD	BA	BA	BA	BA	---	---	---	---	---	---	---	---	---
MW-55B	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-55C	MON	LA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-55S	MON	UUA	---	BA	---	---	---	---	TBD	BA	BA	BA	BA	---	---	---	---	---	---	---	---	---
MW-56	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-57	MON	UUA	---	---	---	SA	---	---	TBD	TBD	TBD	SA	---	---	---	---	---	---	---	---	---	---
MW-57D	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---

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 Pacific Gas and Electric Company Compressor Station, Hinkley, California

Monitoring Program			ATU WDR Compliance Monitoring			IRZ Monitoring		Performance Monitoring		Summary Analyte Sampling Frequencies <sup>g</sup>												
Analytical Suite			Cr6, CrT, Nitrate, and TDS <sup>f</sup>		Cr6, CrT, Nitrate, TDS, and U <sup>g</sup>	Cr6, CrT, TDS, and/or TOC	Cr6, CrT, TOC, Fe, Mn, As, ions for well rehab, if used	Cr6, CrT and IRZ byproducts as needed		Hexavalent Chromium (Cr6)	Total Dissolved Chromium (CrT)	Total Dissolved Solids (TDS)	Nitrate (as N)	Dissolved Arsenic (As)	Dissolved Iron (Fe)	Dissolved Manganese (Mn)	Total Organic Carbon (TOC)	Sulfate	Orthophosphate	Chloride (Cl)	Uranium (U)	
Location ID	Location Type	Aquifer	Domestic Well Protection <sup>a</sup>	Characterization <sup>a</sup>	ATU Irrigation Water Monitoring <sup>b</sup>	2009 SCR/IA/NWFI NOA Monitoring Program	2010 IRZ NOA and Performance Monitoring Program <sup>c</sup>	Extraction Wells <sup>d</sup>	Chromium Monitoring													
MW-58	MON	UUA	---	---	---	SA	---	---	TBD	SA	SA	SA	---	---	---	---	---	---	---	---	---	---
MW-59	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-61	MON	UUA	---	---	---	Q/SA	---	---	TBD	Q	Q	SA	---	---	---	---	---	---	---	---	---	---
MW-62A	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-62B	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-62C	MON	LA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-63	MON	UUA	Q	Q	---	---	---	---	TBD	Q	Q	Q	Q	---	---	---	---	---	---	---	---	---
MW-64A	MON	UUA	---	---	---	SA	---	---	TBD	TBD	TBD	SA	---	---	---	---	---	---	---	---	---	---
MW-64B	MON	LUA	---	---	---	SA	---	---	TBD	TBD	TBD	SA	---	---	---	---	---	---	---	---	---	---
MW-65BR	MON	BR	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-66A	MON	UUA	---	---	---	Q/SA	---	---	TBD	Q	Q	SA	---	---	---	---	---	---	---	---	---	---
MW-66BR	MON	BR	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-67A	MON	UUA	---	---	---	SA	---	---	TBD	TBD	TBD	SA	---	---	---	---	---	---	---	---	---	---
MW-67B	MON	LUA	---	---	---	SA	---	---	TBD	TBD	TBD	SA	---	---	---	---	---	---	---	---	---	---
MW-68C	MON	LA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-68D	MON	LUA	---	BA	---	---	---	---	TBD	BA	BA	BA	BA	---	---	---	---	---	---	---	---	---
MW-68S	MON	UUA	---	BA	---	---	---	---	TBD	BA	BA	BA	BA	---	---	---	---	---	---	---	---	---
MW-69D	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-69S	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-70D	MON	LUA	---	BA	---	---	---	---	TBD	BA	BA	BA	BA	---	---	---	---	---	---	---	---	---
MW-70S	MON	UUA	---	BA	---	---	---	---	TBD	BA	BA	BA	BA	---	---	---	---	---	---	---	---	---
MW-71D	MON	LUA	---	BA	---	---	---	---	TBD	BA	BA	BA	BA	---	---	---	---	---	---	---	---	---
MW-71S	MON	UUA	---	BA	---	---	---	---	TBD	BA	BA	BA	BA	---	---	---	---	---	---	---	---	---
MW-72D	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-72S	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-73D	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-73S	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-74D	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-74S	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-75D	MON	LUA	---	---	---	---	Q	---	TBD	Q	TBD	---	---	---	---	Q	---	---	---	---	---	---
MW-75S	MON	UUA	---	---	---	---	---	---	TBD	Q	TBD	---	---	---	---	Q	---	---	---	---	---	---

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 Pacific Gas and Electric Company Compressor Station, Hinkley, California

Monitoring Program			ATU WDR Compliance Monitoring			IRZ Monitoring		Performance Monitoring		Summary Analyte Sampling Frequencies <sup>g</sup>												
Analytical Suite			Cr6, CrT, Nitrate, and TDS <sup>f</sup>		Cr6, CrT, Nitrate, TDS, and U <sup>g</sup>	Cr6, CrT, TDS, and/or TOC	Cr6, CrT, TOC, Fe, Mn, As, ions for well rehab, if used	Cr6, CrT and IRZ byproducts as needed		Hexavalent Chromium (Cr6)	Total Dissolved Chromium (CrT)	Total Dissolved Solids (TDS)	Nitrate (as N)	Dissolved Arsenic (As)	Dissolved Iron (Fe)	Dissolved Manganese (Mn)	Total Organic Carbon (TOC)	Sulfate	Orthophosphate	Chloride (Cl)	Uranium (U)	
Location ID	Location Type	Aquifer	Domestic Well Protection <sup>a</sup>	Characterization <sup>a</sup>	ATU Irrigation Water Monitoring <sup>b</sup>	2009 SCRIA/NWFI NOA Monitoring Program	2010 IRZ NOA and Performance Monitoring Program <sup>c</sup>	Extraction Wells <sup>d</sup>	Chromium Monitoring													
MW-76D	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-76S	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-77D	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-77S	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-78D	MON	LUA	---	---	---	---	Q	---	TBD	Q	TBD	---	---	---	---	Q	---	---	---	---	---	---
MW-78S	MON	UUA	---	---	---	---	Q	---	TBD	Q	TBD	---	---	---	---	Q	---	---	---	---	---	---
MW-79D	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-79S	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-80D	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-80S	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-81S	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-82S	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-83D	MON	LUA	Q	Q	---	---	---	---	TBD	Q	Q	Q	Q	---	---	---	---	---	---	---	---	---
MW-83S	MON	UUA	Q	Q	---	---	---	---	TBD	Q	Q	Q	Q	---	---	---	---	---	---	---	---	---
MW-84D	MON	LUA	Q	Q	---	---	---	---	TBD	Q	Q	Q	Q	---	---	---	---	---	---	---	---	---
MW-84S	MON	UUA	Q	Q	---	---	---	---	TBD	Q	Q	Q	Q	---	---	---	---	---	---	---	---	---
MW-85D	MON	LUA	Q	Q	---	---	---	---	TBD	Q	Q	Q	Q	---	---	---	---	---	---	---	---	---
MW-85S	MON	UUA	Q	Q	---	---	---	---	TBD	Q	Q	Q	Q	---	---	---	---	---	---	---	---	---
MW-86D	MON	LUA	---	BA	---	---	---	---	TBD	BA	BA	BA	BA	---	---	---	---	---	---	---	---	---
MW-86S	MON	UUA	---	BA	---	---	---	---	TBD	BA	BA	BA	BA	---	---	---	---	---	---	---	---	---
MW-87D	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-87S	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-88D	MON	LUA	---	BA	---	---	---	---	TBD	BA	BA	BA	BA	---	---	---	---	---	---	---	---	---
MW-88S	MON	UUA	---	BA	---	---	---	---	TBD	BA	BA	BA	BA	---	---	---	---	---	---	---	---	---
MW-89D	MON	LUA	---	BA	---	---	---	---	TBD	BA	BA	BA	BA	---	---	---	---	---	---	---	---	---
MW-89S	MON	UUA	---	BA	---	---	---	---	TBD	BA	BA	BA	BA	---	---	---	---	---	---	---	---	---
MW-90C	MON	LA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-91C	MON	LA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-92C	MON	LA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-93C	MON	LA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-94D	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---



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 Pacific Gas and Electric Company Compressor Station, Hinkley, California

Monitoring Program			ATU WDR Compliance Monitoring			IRZ Monitoring		Performance Monitoring		Summary Analyte Sampling Frequencies <sup>g</sup>												
Analytical Suite			Cr6, CrT, Nitrate, and TDS <sup>f</sup>		Cr6, CrT, Nitrate, TDS, and U <sup>g</sup>	Cr6, CrT, TDS, and/or TOC	Cr6, CrT, TOC, Fe, Mn, As, ions for well rehab, if used	Cr6, CrT and IRZ byproducts as needed		Hexavalent Chromium (Cr6)	Total Dissolved Chromium (CrT)	Total Dissolved Solids (TDS)	Nitrate (as N)	Dissolved Arsenic (As)	Dissolved Iron (Fe)	Dissolved Manganese (Mn)	Total Organic Carbon (TOC)	Sulfate	Orthophosphate	Chloride (Cl)	Uranium (U)	
Location ID	Location Type	Aquifer	Domestic Well Protection <sup>a</sup>	Characterization <sup>a</sup>	ATU Irrigation Water Monitoring <sup>b</sup>	2009 SCRIA/NWFI NOA Monitoring Program	2010 IRZ NOA and Performance Monitoring Program <sup>c</sup>	Extraction Wells <sup>d</sup>	Chromium Monitoring													
MW-94S	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-95D	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-95S	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-96D	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-96S	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-97D	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-97S	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-98C	MON	LA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
MW-99C	MON	LA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
NA-MW-01A	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
NA-MW-01B	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
NA-MW-02A	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
NA-MW-02B	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
NA-MW-03A	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
NA-MW-03B	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
NA-RC-01	MUW	UA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
NA-RC-02	MUW	UA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
New well 1 D	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
New well 1 S	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
New well 2 D	MON	LUA	Q	Q	---	---	---	---	TBD	Q	Q	Q	Q	---	---	---	---	---	---	---	---	---
New well 2 S	MON	UUA	Q	Q	---	---	---	---	TBD	Q	Q	Q	Q	---	---	---	---	---	---	---	---	---
PGE-06	WTR	UA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
PGE-07	WTR	UA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
PGE-12	WTR	UA-LA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
PGE-13	WTR	UA-LA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
PGE-14	WTR	UA-LA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
PGE-15	WTR	LA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
PMW-01	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
PMW-02	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
PMW-03	MON	LUA	---	---	---	---	---	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	---	---	---	---
PMW-04	MON	UUA	---	---	---	---	---	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	---	---	---	---

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 Pacific Gas and Electric Company Compressor Station, Hinkley, California

Monitoring Program			ATU WDR Compliance Monitoring			IRZ Monitoring		Performance Monitoring		Summary Analyte Sampling Frequencies <sup>g</sup>											
Analytical Suite			Cr6, CrT, Nitrate, and TDS <sup>f</sup>		Cr6, CrT, Nitrate, TDS, and U <sup>g</sup>	Cr6, CrT, TDS, and/or TOC	Cr6, CrT, TOC, Fe, Mn, As, ions for well rehab, if used	Cr6, CrT and IRZ byproducts as needed		Hexavalent Chromium (Cr6)	Total Dissolved Chromium (CrT)	Total Dissolved Solids (TDS)	Nitrate (as N)	Dissolved Arsenic (As)	Dissolved Iron (Fe)	Dissolved Manganese (Mn)	Total Organic Carbon (TOC)	Sulfate	Orthophosphate	Chloride (Cl)	Uranium (U)
Location ID	Location Type	Aquifer	Domestic Well Protection <sup>a</sup>	Characterization <sup>a</sup>	ATU Irrigation Water Monitoring <sup>b</sup>	2009 SCRIA/NWFI NOA Monitoring Program	2010 IRZ NOA and Performance Monitoring Program <sup>c</sup>	Extraction Wells <sup>d</sup>	Chromium Monitoring												
PMW-05	MON	UUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	---	---	---
PMW-06	MON	UUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	---	---	---
PT1-EX-02	MUW	UA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
PT1-IW-01	MUW	UA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
PT1-IW-02	MUW	UA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
PT1-MW-01	MON	UUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	---	---	---
PT1-MW-02	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
PT1-MW-03	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
PT1-MW-04	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---
PT1-MW-05	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
PT1-MW-06	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
PT2-EX-02	MUW	UA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
PT2-IW-01	MUW	UA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
PT2-IW-02	MUW	UA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
PT2-MW-01	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
PT2-MW-02	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
PT2-MW-03	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
PT2-MW-04	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
PT2-MW-05	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
PT2-MW-06	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
PT2-MW-08	MON	LUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---
PT2-MW-09	MON	LUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---
PT2-MW-10	MON	LUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---
PT2-MW-11	MON	LUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---
PT3-EX-01	MUW	UA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
PT3-EX-02	MUW	UA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
PT3-IW-01	MUW	UA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
PT3-IW-02	MUW	UA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
PT3-IW-03	MUW	UA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
PT3-MW-01	MON	UA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
PT3-MW-02	MON	UA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---

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Location ID	Location Type	Aquifer	Domestic Well Protection <sup>a</sup>	Characterization <sup>a</sup>	ATU Irrigation Water Monitoring <sup>b</sup>	2009 SCRIA/NWFI NOA Monitoring Program	2010 IRZ NOA and Performance Monitoring Program <sup>c</sup>	Extraction Wells <sup>d</sup>	Chromium Monitoring													
PT3-MW-03	MON	UA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
PT3-MW-04	MON	UA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
PT3-MW-05	MON	UA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
PT3-MW-06	MON	UA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
PT3-MW-07	MON	UA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
PT3-MW-08	MON	UA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
PT3-MW-09	MON	UA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
PT3-MW-10	MON	UA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
PT3-MW-11	MON	UA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
PT3-MW-13	MON	UA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
PT3-MW-14	MON	UA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
RD-01	MON	UA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
RPVT	PVT	NA	---	---	Q	---	---	---	TBD	Q	Q	Q	Q	---	---	---	---	---	---	---	---	Q
RS-01	MON	UNK	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
SA-MW-01D	MON	LUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	A	A	---	---
SA-MW-01S	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	A	A	---	---
SA-MW-02D	MON	LUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	A	A	---	---
SA-MW-02S	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	A	A	---	---
SA-MW-03D	MON	LUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	A	A	---	---
SA-MW-03S	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	A	A	---	---
SA-MW-04D	MON	LUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	A	A	---	---
SA-MW-04S	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	A	A	---	---
SA-MW-05D	MON	LUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	A	A	---	---
SA-MW-05S	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	A	A	---	---
SA-MW-06D	MON	LUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	A	A	---	---
SA-MW-06S	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	A	A	---	---
SA-MW-07D	MON	LUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---	---
SA-MW-07S	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---	---
SA-MW-08D	MON	LUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---	---
SA-MW-08S	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---	---
SA-MW-09D	MON	LUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---	---

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SA-MW-09S	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---
SA-MW-10D	MON	LUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	A	A	---
SA-MW-10S	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	A	A	---
SA-MW-11D	MON	LUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---
SA-MW-11S	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---
SA-MW-12D	MON	LUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---
SA-MW-12S	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---
SA-MW-13D	MON	LUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---
SA-MW-13S	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---
SA-MW-14D	MON	LUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---
SA-MW-14S	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---
SA-MW-15D	MON	LUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---
SA-MW-15S	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---
SA-MW-16D	MON	LUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	Q	Q	---
SA-MW-16S	MON	UUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	Q	Q	---
SA-MW-17D	MON	LUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	Q	Q	---
SA-MW-17S	MON	UUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	Q	Q	---
SA-MW-18D	MON	LUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	Q	Q	---
SA-MW-18S	MON	UUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	Q	Q	---
SA-MW-19D	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
SA-MW-19S	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
SA-MW-20D	MON	LUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	A	A	---
SA-MW-20S	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	A	A	---
SA-MW-21D	MON	LUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	A	A	---
SA-MW-21S	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	A	A	---
SA-MW-22D	MON	LUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	A	A	---
SA-MW-22S	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	A	A	---
SA-MW-23D	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
SA-MW-23S	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
SA-MW-24D	MON	LUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	A	A	---
SA-MW-24S	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	A	A	---

**Table 2. DRAFT Preliminary Master Monitoring Well, Extraction Well and Irrigation Water Sampling Table for the Hinkley Groundwater Remediation Project**  
 Pacific Gas and Electric Company Compressor Station, Hinkley, California

Monitoring Program			ATU WDR Compliance Monitoring			IRZ Monitoring		Performance Monitoring		Summary Analyte Sampling Frequencies <sup>g</sup>											
Analytical Suite			Cr6, CrT, Nitrate, and TDS <sup>f</sup>		Cr6, CrT, Nitrate, TDS, and U <sup>g</sup>	Cr6, CrT, TDS, and/or TOC	Cr6, CrT, TOC, Fe, Mn, As, ions for well rehab, if used	Cr6, CrT and IRZ byproducts as needed		Hexavalent Chromium (Cr6)	Total Dissolved Chromium (CrT)	Total Dissolved Solids (TDS)	Nitrate (as N)	Dissolved Arsenic (As)	Dissolved Iron (Fe)	Dissolved Manganese (Mn)	Total Organic Carbon (TOC)	Sulfate	Orthophosphate	Chloride (Cl)	Uranium (U)
Location ID	Location Type	Aquifer	Domestic Well Protection <sup>a</sup>	Characterization <sup>a</sup>	ATU Irrigation Water Monitoring <sup>b</sup>	2009 SCRIA/NWFI NOA Monitoring Program	2010 IRZ NOA and Performance Monitoring Program <sup>c</sup>	Extraction Wells <sup>d</sup>	Chromium Monitoring												
SA-MW-25D	MON	LUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	Q	Q	---
SA-MW-25S	MON	UUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	Q	Q	---
SA-MW-26D	MON	LUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	---	---	---
SA-MW-26S	MON	UUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	---	---	---
SA-MW-27D	MON	LUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	---	---	---
SA-MW-27S	MON	UUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	---	---	---
SA-MW-28D	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
SA-MW-28S	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
SA-RC-01	MUW	UA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
SA-RW-22	EXT	UA	---	---	---	---	---	AN	TBD	AN	AN	---	---	AN	AN	AN	AN	---	---	---	---
SA-RW-23	EXT	UA	---	---	---	---	---	AN	TBD	AN	AN	---	---	AN	AN	AN	AN	---	---	---	---
SA-RW-24	EXT	UA	---	---	---	---	---	AN	TBD	AN	AN	---	---	AN	AN	AN	AN	---	---	---	---
SA-RW-25	EXT	UA	---	---	---	---	---	AN	TBD	AN	AN	---	---	AN	AN	AN	AN	---	---	---	---
SA-SM-01D	MON	LUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	---	---	---
SA-SM-01S	MON	UUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	---	---	---
SA-SM-02D	MON	LUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---
SA-SM-02S	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---
SA-SM-03D	MON	LUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---
SA-SM-03S	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---
SA-SM-04D	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
SA-SM-04S	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---
SA-SM-05D	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
SA-SM-05S	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---
SA-SM-06D	MON	LUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---
SA-SM-06S	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---
SA-SM-07D	MON	LUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---
SA-SM-07S	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---
SA-SM-08D	MON	LUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	A	A	---
SA-SM-08S	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	A	A	---
SA-SM-09D	MON	LUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---
SA-SM-09S	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---

**Table 2. DRAFT Preliminary Master Monitoring Well, Extraction Well and Irrigation Water Sampling Table for the Hinkley Groundwater Remediation Project**  
 Pacific Gas and Electric Company Compressor Station, Hinkley, California

Monitoring Program			ATU WDR Compliance Monitoring			IRZ Monitoring		Performance Monitoring		Summary Analyte Sampling Frequencies <sup>g</sup>											
Analytical Suite			Cr6, CrT, Nitrate, and TDS <sup>f</sup>		Cr6, CrT, Nitrate, TDS, and U <sup>g</sup>	Cr6, CrT, TDS, and/or TOC	Cr6, CrT, TOC, Fe, Mn, As, ions for well rehab, if used	Cr6, CrT and IRZ byproducts as needed		Hexavalent Chromium (Cr6)	Total Dissolved Chromium (CrT)	Total Dissolved Solids (TDS)	Nitrate (as N)	Dissolved Arsenic (As)	Dissolved Iron (Fe)	Dissolved Manganese (Mn)	Total Organic Carbon (TOC)	Sulfate	Orthophosphate	Chloride (Cl)	Uranium (U)
Location ID	Location Type	Aquifer	Domestic Well Protection <sup>a</sup>	Characterization <sup>a</sup>	ATU Irrigation Water Monitoring <sup>b</sup>	2009 SCRIA/NWFI NOA Monitoring Program	2010 IRZ NOA and Performance Monitoring Program <sup>c</sup>	Extraction Wells <sup>d</sup>	Chromium Monitoring												
SA-SM-10D	MON	LUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---
SA-SM-10S	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---
SA-SM-11D	MON	LUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	A	A	---
SA-SM-11S	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	A	A	---
SC-MW-01D	MON	LUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	Q	Q	---
SC-MW-01S	MON	UUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	Q	Q	---
SC-MW-02D	MON	LUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	Q	Q	---
SC-MW-02S	MON	UUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	Q	Q	---
SC-MW-03D	MON	LUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	Q	Q	---
SC-MW-03S	MON	UUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	Q	Q	---
SC-MW-04D	MON	LUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	Q	Q	---
SC-MW-04S	MON	UUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	Q	Q	---
SC-MW-05D	MON	LUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	Q	Q	---
SC-MW-05S	MON	UUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	Q	Q	---
SC-MW-06D	MON	LUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	Q	Q	---
SC-MW-06S	MON	UUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	Q	Q	---
SC-MW-07D	MON	LUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	Q	Q	---
SC-MW-07S	MON	UUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	Q	Q	---
SC-MW-08D	MON	LUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	Q	Q	---
SC-MW-08S	MON	UUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	Q	Q	---
SC-MW-09D	MON	LUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	Q	Q	---
SC-MW-09S	MON	UUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	Q	Q	---
SC-MW-10D	MON	LUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	Q	Q	---
SC-MW-10S	MON	UUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	Q	Q	---
SC-MW-11D	MON	LUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	Q	Q	---
SC-MW-11S	MON	UUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	Q	Q	---
SC-MW-12D	MON	LUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	Q	Q	---
SC-MW-12S	MON	UUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	Q	Q	---
SC-MW-13D	MON	LUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	Q	Q	---
SC-MW-13S	MON	UUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	Q	Q	---
SC-MW-14D	MON	LUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	Q	Q	---

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Monitoring Program			ATU WDR Compliance Monitoring			IRZ Monitoring		Performance Monitoring		Summary Analyte Sampling Frequencies <sup>g</sup>											
Analytical Suite			Cr6, CrT, Nitrate, and TDS <sup>f</sup>		Cr6, CrT, Nitrate, TDS, and U <sup>g</sup>	Cr6, CrT, TDS, and/or TOC	Cr6, CrT, TOC, Fe, Mn, As, ions for well rehab, if used	Cr6, CrT and IRZ byproducts as needed		Hexavalent Chromium (Cr6)	Total Dissolved Chromium (CrT)	Total Dissolved Solids (TDS)	Nitrate (as N)	Dissolved Arsenic (As)	Dissolved Iron (Fe)	Dissolved Manganese (Mn)	Total Organic Carbon (TOC)	Sulfate	Orthophosphate	Chloride (Cl)	Uranium (U)
Location ID	Location Type	Aquifer	Domestic Well Protection <sup>a</sup>	Characterization <sup>a</sup>	ATU Irrigation Water Monitoring <sup>b</sup>	2009 SCRIA/NWFI NOA Monitoring Program	2010 IRZ NOA and Performance Monitoring Program <sup>c</sup>	Extraction Wells <sup>d</sup>	Chromium Monitoring												
SC-MW-14S	MON	UUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	Q	Q	---
SC-MW-15D	MON	LUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	Q	Q	---
SC-MW-15S	MON	UUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	Q	Q	---
SC-MW-16C	MON	LA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
SC-MW-16D	MON	LUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	Q	Q	---
SC-MW-16S	MON	UUA	---	---	---	---	Q	---	TBD	Q	Q	---	---	Q	Q	Q	Q	---	Q	Q	---
SC-MW-17D	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
SC-MW-17S	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
SC-MW-21D	MON	LUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---
SC-MW-21S	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---
SC-MW-22D	MON	LUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---
SC-MW-22S	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---
SC-MW-23D	MON	LUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---
SC-MW-23S	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---
SC-MW-26D	MON	LUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---
SC-MW-26S	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---
SC-MW-32D	MON	LUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---
SC-MW-32S	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---
SC-MW-38D	MON	LUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---
SC-MW-38S	MON	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---
TW-2S	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
WA-MW-01A	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
WA-MW-01B	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
WA-MW-02A	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
WA-MW-02B	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
WA-MW-03A	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
WA-MW-03B	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
WA-MW-04A	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
WA-MW-04B	MON	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
WA-RC-01	MUW	UA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---
X-01	MUW	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---

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Monitoring Program			ATU WDR Compliance Monitoring			IRZ Monitoring		Performance Monitoring		Summary Analyte Sampling Frequencies <sup>e</sup>												
Analytical Suite			Cr6, CrT, Nitrate, and TDS <sup>f</sup>		Cr6, CrT, Nitrate, TDS, and U <sup>g</sup>	Cr6, CrT, TDS, and/or TOC	Cr6, CrT, TOC, Fe, Mn, As, ions for well rehab, if used	Cr6, CrT and IRZ byproducts as needed		Hexavalent Chromium (Cr6)	Total Dissolved Chromium (CrT)	Total Dissolved Solids (TDS)	Nitrate (as N)	Dissolved Arsenic (As)	Dissolved Iron (Fe)	Dissolved Manganese (Mn)	Total Organic Carbon (TOC)	Sulfate	Orthophosphate	Chloride (Cl)	Uranium (U)	
Location ID	Location Type	Aquifer	Domestic Well Protection <sup>a</sup>	Characterization <sup>a</sup>	ATU Irrigation Water Monitoring <sup>b</sup>	2009 SCRIA/NWFI NOA Monitoring Program	2010 IRZ NOA and Performance Monitoring Program <sup>c</sup>	Extraction Wells <sup>d</sup>	Chromium Monitoring													
X-02	MUW	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
X-04	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
X-05	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
X-06	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
X-07	MUW	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
X-08	MUW	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
X-09	MON	UUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
X-10	MUW	UUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---	---
X-11	MUW	LUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---	---
X-12	MUW	LUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---	---
X-13	MUW	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
X-14	MUW	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
X-15	MUW	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
X-16	MUW	LUA	---	---	---	---	A	---	TBD	A	A	---	---	A	A	A	A	---	---	---	---	---
X-17	MUW	LUA	---	---	---	---	---	---	TBD	TBD	TBD	---	---	---	---	---	---	---	---	---	---	---
Y-01	MON	UNK	---	---	---	---	---	---	AN	TBD	AN	AN	---	---	---	---	---	---	---	---	---	---
Y-02	MON	UNK	---	---	---	---	---	---	AN	TBD	AN	AN	---	---	---	---	---	---	---	---	---	---
Y-03	MON	UNK	---	---	---	---	---	---	AN	TBD	AN	AN	---	---	---	---	---	---	---	---	---	---
Yang	PVT	NA	---	---	Q	---	---	---	---	TBD	Q	Q	Q	Q	---	---	---	---	---	---	---	Q

**Notes:**

Letter/acronym in monitoring program columns indicates the sampling frequency proposed per well under that program.

- a. Proposed as revision to Revised Draft Monitoring and Reporting Program (MRP) Table E-2 Quarterly Groundwater Monitoring for Existing ATUs.
- b. Addresses MRP Table E-3 ATU Irrigation Water Monitoring requirements.
- c. Revision of the July 7, 2010 NOA under the General WDRs (R6V-2008-0014), manganese mitigation orders (R6V-2011-0053 and R6V-2011-0084) and the manganese investigation orders (R6V-2012-0060 and R6V-2013-0062) that was proposed in the Manganese Investigation Technical Report (ARCADIS, 2013).
- d. Data collection for optimization of extraction and IRZ systems. Will be sampled as needed.
- e. The highest sampling frequency is presented for wells and analytes sampled under more than one program.
- f. Uranium and radionuclides may be required pending results of investigation required under WTR-MM-5
- g. Arsenic, iron, manganese, total organic carbon are also required if extraction from within the footprint of IRZ byproducts

**Monitoring Frequency:**

A Annual



**Table 2. DRAFT Preliminary Master Monitoring Well, Extraction Well and Irrigation Water Sampling Table for the Hinkley Groundwater Remediation Project**  
 Pacific Gas and Electric Company Compressor Station, Hinkley, California

Monitoring Program			ATU WDR Compliance Monitoring			IRZ Monitoring		Performance Monitoring		Summary Analyte Sampling Frequencies <sup>g</sup>											
Analytical Suite			Cr6, CrT, Nitrate, and TDS <sup>f</sup>		Cr6, CrT, Nitrate, TDS, and U <sup>g</sup>	Cr6, CrT, TDS, and/or TOC	Cr6, CrT, TOC, Fe, Mn, As, ions for well rehab, if used	Cr6, CrT and IRZ byproducts as needed		Hexavalent Chromium (Cr6)	Total Dissolved Chromium (CrT)	Total Dissolved Solids (TDS)	Nitrate (as N)	Dissolved Arsenic (As)	Dissolved Iron (Fe)	Dissolved Manganese (Mn)	Total Organic Carbon (TOC)	Sulfate	Orthophosphate	Chloride (Cl)	Uranium (U)
Location ID	Location Type	Aquifer	Domestic Well Protection <sup>a</sup>	Characterization <sup>a</sup>	ATU Irrigation Water Monitoring <sup>b</sup>	2009 SCRIA/NWFI NOA Monitoring Program	2010 IRZ NOA and Performance Monitoring Program <sup>c</sup>	Extraction Wells <sup>d</sup>	Chromium Monitoring												

AN As needed  
 BA Bi-annual  
 M Monthly  
 Q Quarterly  
 SA Semi-annual  
 TBD To be determined

**Acronyms:**

ATU Agricultural Treatment Unit  
 EXT Extraction Well  
 IRZ In Situ Reactive Zone  
 LUA Lower Upper Aquifer  
 MON Monitoring Well  
 MRP Revised Draft Monitoring and Reporting Program (MRP). R6V-2014-TENTATIVE for the Pacific Gas and Electric Groundwater Remediation Project: Agricultural Treatment Units dated December 13, 2013. Online at [http://www.waterboards.ca.gov/lahtontan/water\\_issues/projects/pge/index.shtml](http://www.waterboards.ca.gov/lahtontan/water_issues/projects/pge/index.shtml).  
 MUW Municipal Water Supply  
 NOA Notice of Applicability  
 PVT Pivot  
 TBD sampling frequency is to be determined.  
 UUA Upper Upper Aquifer  
 WDR Waste Discharge Requirement

**References**

ARCADIS, 2013. Manganese Investigation Technical Report, Response to Board Orders No. R6V-2012-0060 and R6V-2013-0026, Pacific Gas and Electric, Hinkley Compressor Station. November 19.