

TRI-PARTY AGREEMENT

Change Notice Number TPA-CN -476	TPA CHANGE NOTICE FORM	Date: August ^{SEPTEMBER} 9, 2011
Document Number, Title, and Revision: 200-ZP-1 Interim Remedial Measure Remedial Design Report, DOE/RL-96-07, Rev. 4.		Date Document Last Issued: June 2008
Originator: Mark Byrnes		Phone: 373-3996

Description of Change:
 Change sampling frequency from monthly to quarterly for 200-ZP-1 OU extraction wells YE-1, YE-2, YE-3, YE-8, YE-9, YE-11, YE-12, YE-13 and YE-14 until the interim pump-and-treat facility is shut down (expected spring 2012).

B. Charboneau and E. Laija agree that the proposed change
DOE **Lead Regulatory Agency**
 modifies an approved workplan/document and will be processed in accordance with the Tri-Party Agreement Action Plan, Section 9.0, *Documentation and Records*, and not Chapter 12.0, *Changes to the Agreement*.

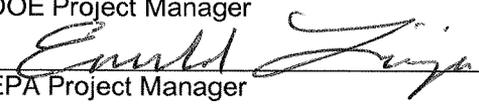
The interim action 200-ZP-1 pump-and-treat extraction wells have been sampled monthly since the system went online in 1994. A reduction in sampling frequency from monthly to quarterly for the online extraction wells YE-1, YE-2, YE-3, YE-8, YE-9, YE-11, YE-12, YE-13 and YE-14 is proposed and is considered warranted since this data is only needed to verify trends that have been tracked closely over many years. The sampling frequency is reflected in the Process Sampling and Analysis Plan, section 7.0, in the *200-ZP-1 Interim Remedial Measure Remedial Design Report*, (DOE/RL-96-07) for the 200-ZP-1 interim action pump and treat facility. Revised Table 7-1 is attached.

Deleted text is shown in ~~single line strike through~~, and added text is shown in gray highlight. The affected pages are pages 7-2 and 7-3.

Note: Include affected page number(s)

Justification and Impacts of Change:
 The analytical data for the interim action 200-ZP-1 pump-and-treat extraction wells have generally shown a steady decline in contaminant concentration over time. Reducing the sampling frequency of the extraction wells from monthly to quarterly would still provide the necessary information for tracking contaminant levels across the 200-ZP-1 Operable Unit. This reduction in frequency would only apply to the extraction wells. Monthly sampling would still continue for the influent and effluent water which is being collected to monitor reducing contaminant concentrations levels in the influent water over time and to confirm re-injected effluent water is compliant with the interim record of decision.

Approvals:

 BRIANT CHARBONEAU DOE Project Manager	9-15-2011 Date	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved
 EPA Project Manager	9/15/11 Date	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved

pump-and-treat system. At a minimum during initial system startup, water and air samples will be collected and analyzed using field-screening methods every 15 to 20 minutes to assess the performance of the treatment system. This will ensure that three or four liquid samples have been collected and analyzed before any treated water is discharged to the injection well. After adequate system operation has been verified, air and water samples will be collected and analyzed hourly for the first 8 hours of operation, and then daily for the first week of operation.

Table 7-1. Process Sample Locations, Analytes, Matrices, and Frequencies for Phase III Operations. (2 sheets)

Sample Location	Analytes	Sample Matrix	Sample Frequency
Extraction well #1 (299-W15-45)	CCl ₄ , TCM, TCE	Groundwater	At least once per month quarter during routine system operation.
Extraction well #2 (299-W15-34)	CCl ₄ , TCM, TCE	Groundwater	At least once per month quarter during routine system operation.
Extraction well #3 (299-W15-35)	CCl ₄ , TCM, TCE	Groundwater	At least once per month quarter during routine system operation.
Extraction well #4 (299-W15-47)	CCl ₄ , TCM, TCE	Groundwater	OFFLINE
Extraction well #5 (299-W15-36)	CCl ₄ , TCM, TCE	Groundwater	OFFLINE
Extraction well #6 (299-W15-6)	CCl ₄ , TCM, TCE	Groundwater	OFFLINE
Extraction well #7 (299-W15-40)	CCl ₄ , TCM, TCE	Groundwater	OFFLINE
Extraction well #8 (299-W15-43)	CCl ₄ , TCM, TCE	Groundwater	At least once per month quarter during routine system operation.
Extraction well #9 (299-W15-225)	CCl ₄ , TCM, TCE Tc-99 ^a	Groundwater	At least once per month quarter during routine system operation.
Extraction well #10 (299-W15-765)	CCl ₄ , TCM, TCE	Groundwater	OFFLINE
Extraction well #11 (299-W15-1)	CCl ₄ , TCM, TCE	Groundwater	At least once per month quarter during routine system operation.
Extraction well #12 (299-W15-7)	CCl ₄ , TCM, TCE	Groundwater	At least once per month quarter during routine system operation.
Extraction well #13 (299-W15-11)	CCl ₄ , TCM, TCE	Groundwater	At least once per month quarter during routine system operation.
Extraction well #14 (299-W15-46)	CCl ₄ , TCM, TCE	Groundwater	At least once per month quarter during routine system operation.
Post-tank T-01 (at 0.5-in. BV TSL02-V01)	CCl ₄ , TCM, TCE, Tc-99, H-3	Process water	At least once per month during routine system operation. Monthly fixed laboratory confirmation samples for VOC analyses.
Post-tank T-02 (at 0.5-in. BV 101-V01)	CCl ₄ , TCM, TCE, Tc-99, H-3	Process water	At least once per month during routine system operation. Monthly fixed laboratory confirmation samples for VOC analyses.