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Change Number M-15-01-02	Federal Facility Agreement and Consent Order Change Control Form <small>Do not use blue ink. Type or print using black ink.</small>	Date June 7, 2001
Originator M. J. Furman	Phone 373-9630	
Class of Change <input type="checkbox"/> I - Signatories <input type="checkbox"/> II - Executive Manager <input checked="" type="checkbox"/> III - Project Manager		
Change Title Modifications to Sampling and Analysis Requirements for the 200-BP-5 Operable Unit Groundwater Monitoring Project		
Description/Justification of Change <p>The attached table summarizes revised groundwater sampling and analysis requirements for the 200-BP-5 monitoring network. Specific changes associated with this document are identified below:</p> <ol style="list-style-type: none"> 1) Replace well 299-E28-7, which is part of the 216-B-5 Reverse Well monitoring network, with well 299-E28-24. Well 299-E28-7 has been used as an injection well for the disposal of groundwater from a pump and treat system and may not produce samples representative of aquifer conditions. 2) Eliminate well 299-E28-10 as a monitoring well for the 216-B-5 Reverse Well monitoring network. This well has been dry since 1996 (i.e., the groundwater level has dropped below the bottom of the well screen). 3) Eliminate wells 699-52-54 and 699-52-57 as monitoring wells for the 216-BY Cribs monitoring network. These two wells are currently dry. 4) Remove ⁶⁰Co from the list of constituents for well 699-50-53A (216-BY Cribs). This constituent is monitored in other wells in the area and has been reported as non-detect during the last several years for samples collected from this well. 5) Add wells 299-E28-8, 299-E32-9, 299-E33-9, 299-E33-29, 299-E33-32, 299-E33-34, 299-E33-35, 299-E33-41, 299-E33-334, 699-55-60A, and 699-57-59 as monitoring wells for the 216-BY Cribs monitoring network. 6) Eliminate wells 699-54-45A, 699-54-45B, 699-54-48, and 699-55-50C as monitoring wells for the Gable Mountain Pond network. Local plume geometries are adequately defined by other wells. 7) Some wells have gone from an annual to 3-year sampling frequency, which is deemed sufficient to define local plume geometries. Other wells have been changed from a 3-year to annual sampling frequency to better define plume geometries. 8) Well 299-E28-18, which is associated with the 216-B-62 Crib, will be monitored on an annual basis for total uranium. 9) Waste handling for all well-related activities will be in accordance with the 200-BP-5 Waste Control Plan. <p>Minor modifications to the list of specific wells sampled and constituents analyzed may occur to meet changing field conditions and the results of data evaluation. These changes will be documented in future revisions to this plan.</p>		
Impact of Change		
Affected Documents Hanford Federal Facility Agreement and Consent Order		
Approvals		
<u>M. J. Furman</u> DOE	<u>8/20/2001</u> Date	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved
<u>Craig E. Cameron</u> EPA	<u>8/20/2001</u> Date	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved
<u>N/A</u> Ecology	<u> </u> Date	<input type="checkbox"/> Approved <input type="checkbox"/> Disapproved

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Table 1. Sampling and Analysis Schedule for 200-BP-5 Groundwater Project

SITE	WELL NAME	CONTAMINANTS	SAMPLE FREQUENCY
216-B-5 REVERSE WELL	299-E28-2	⁹⁰ Sr	ANNUAL
	299-E28-23	¹³⁷ Cs	
	299-E28-24	^{239/240} Pu	
	299-E28-25		
216-BY CRIBS	299-E33-7	⁹⁹ Tc	ANNUAL
	299-E33-13	Cyanide ⁶⁰ Co Nitrate	
	299-E33-26	⁹⁰ Tc	ANNUAL
	299-E33-34	Cyanide ⁶⁰ Co	
	299-E33-16	⁹⁰ Tc	ANNUAL
	299-E33-29	Nitrate	
	299-E33-32		
	299-E33-334		
	299-E33-9	⁹⁰ Tc	ANNUAL
	299-E33-38	Cyanide ⁶⁰ Co Nitrate Uranium	
	299-E33-12 (basalt confined)	⁹⁹ Tc	3-YEAR
	299-E28-8	⁹⁹ Tc	ANNUAL
	299-E32-9		
	299-E33-35		
	299-E33-41		
	699-49-55A	⁹⁹ Tc Cyanide	3-YEAR
	699-49-57A	⁹⁹ Tc Cyanide ⁶⁰ Co	ANNUAL
	699-49-57B (basalt confined)	⁶⁰ Co ⁹⁹ Tc	3-YEAR
	699-50-53A	⁹⁹ Tc Cyanide Nitrate	3-YEAR
	699-53-55A	⁹⁹ Tc	3-YEAR
699-53-55B			
699-53-55C			
699-55-57	⁶⁰ Co	3-YEAR	
699-55-60A	⁹⁹ Tc Cyanide Nitrate		
699-57-59	⁶⁰ Co ⁹⁹ Tc Nitrate	ANNUAL	
699-59-58	⁹⁹ Tc	ANNUAL	
216-B-62 CRIB	299-E28-18	Uranium	ANNUAL

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Table 1 (cont'd). Sampling and Analysis Schedule for 200-BP-5 Groundwater Project

GABLE MOUNTAIN POND	699-53-47A	⁹⁰ Sr Nitrate	ANNUAL
	699-53-47B	⁹⁰ Sr Nitrate	3-YEAR
	699-53-48A	⁹⁰ Sr Nitrate	3-YEAR
	699-53-48B	⁹⁰ Sr	3-YEAR
	699-54-49	⁹⁰ Sr	3-YEAR

Note: All completions are in the top of the unconfined aquifer, except for those indicated as being basalt confined.