



**Change Notice for Modifying Approved Documents/ Workplans  
In Accordance with the Tri-Party Agreement Action Plan,  
Section 9.0, Documentation and Records**

<b>Change Number</b>	<b>Document Submitted Under Tri-Party Agreement Milestone</b> <u>N/A</u>	<b>Date:</b>		
TPA-CN-293		October 6, 2009		
<b>Document Number and Title:</b> 100-BC-5 Operable Unit Sampling and Analysis Plan, DOE/RL-2003-38 Rev 1 (as modified by TPA-CN-240, 12/08/2008)		<b>Date Document Last Issued:</b> September 2004		
<b>Originator:</b> Mary Hartman		<b>Phone:</b> 376-4385		
<b>Description of Change:</b> Replace Table 2, "Groundwater Sampling Matrix for the 100-BC-5 Operable Unit," with Attachment 1.				
<p align="center"><u>B. L. Charboneau</u> and <u>L.C. Buelow</u> agree that the proposed change modifies an approved <b>RL</b> <b>Lead Regulatory Agency</b></p> <p>work plan/document and will be processed in accordance with the Tri-Party Agreement Action Plan, Section 9.0, <i>Documentation and Records</i>, and not Chapter 12.0, <i>Changes to the Agreement</i>.</p> <p>Table 2 of the above referenced Sampling and Analysis Plan has been modified to change sampling frequency of one well.</p>				
<b>Justification and Impacts of Change:</b>				
Well 199-B8-8 was sampled monthly for hexavalent chromium to follow up a July 2008 concentration spike. Concentrations have remained <22 µg/L since then. A quarterly frequency will be sufficient for routine sampling.				
<b>Approvals:</b>				
 RL Project Manager		<u>10-6-09</u> Date	<input checked="" type="checkbox"/> Approved	<input type="checkbox"/> Disapproved
 EPA Project Manager		<u>10-7-09</u> Date	<input checked="" type="checkbox"/> Approved	<input type="checkbox"/> Disapproved

Attachment 1

Table 2. Groundwater Sampling Matrix for the 100-BC-5 Operable Unit. Underlined text indicates changes from TPA-CN-240.

Well ID	Well Name	WAC Compliant	Hexavalent Cr (unfiltered)	Nitrate <sup>(a)</sup>	Strontium-90	Tritium	Alkalinity	Anions <sup>(b)</sup>	Metals (filtered, unfiltered) <sup>(c)</sup>	Gross Alpha	Gross Beta	Technetium-99	Specific Conductance <sup>(d)</sup>	Temperature <sup>(d)</sup>	Turbidity <sup>(d)</sup>	Water Level <sup>(d)</sup>
A4550	199-B2-12	C	BO	BO	BO	BO	BO	BO	BO				BO	BO	BO	BO
A4551	199-B2-13	C	BE	BE	BE	BE	BE	BE	BE				BE	BE	BE	BE
A4552	199-B3-1	N	A	BE	A	A	BE	BE	BE				A	A	A	A
A4553	199-B3-46	C	A	BO	A	A	BO	BO	BO				A	A	A	A
A4554	199-B3-47	C	A	BE	A	A	BE	BE	BE				A	A	A	A
A4555	199-B4-1	N	A	BE	BE	A	BE	BE	BE				A	A	A	A
A4557	199-B4-4	N			BE	BE							BE	BE	BE	BE
A5540	199-B4-5	C														A
A4558	199-B4-6	C														A
A5541	199-B4-7	C	BO	BO	BO	BO	BO	BO	BO				BO	BO	BO	BO
A4559	199-B4-8	C	BE	BE	BE	BE	BE	BE	BE				BE	BE	BE	BE
A4561	199-B5-1	N	A	BE	BE	A	BE	BE	BE				A	A	A	A
A4562	199-B5-2	C	A		BO	A							A	A	A	A
A4563	199-B8-6	C	A	BO	BO	A	BO	BO	BO	BO	BO		A	A	A	A
C5671	199-B8-7 <sup>(e)</sup>	C	Q	Q		Q	Q	Q	Q	Q	Q		Q	Q	Q	Q
C5672	199-B8-8 <sup>(e)</sup>	C	<u>Q</u>	Q		Q	Q	Q	Q	Q	Q		Q	Q	Q	Q
A4565	199-B9-2	C	BE			BE				BE	BE		BE	BE	BE	BE
A4566	199-B9-3	C	BO	BO		BO	BO	BO	BO	BO	BO		BO	BO	BO	BO
A5293	699-63-90	N		BE		BE	BE	BE	BE	BE	BE		BE	BE	BE	BE
A5303	699-65-83	N				BE							BE	BE	BE	BE
A5313	699-67-86	N				BO							BO	BO	BO	BO
A5315	699-68-105	N		BO		BO	BO	BO	BO				BO	BO	BO	BO
A5322	699-71-77	N		BO		BO	BO	BO	BO			BO	BO	BO	BO	BO
A5323	699-72-73	N		BE		BE	BE	BE	BE			BE	BE	BE	BE	BE
A5325	699-72-92	N		BO		BO	BO	BO	BO				BO	BO	BO	BO
NA	Spring 037-1	NA	A			A				A	A		A	A	A	

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Well ID	Well Name	WAC Compliant	Hexavalent Cr (unfiltered)	Nitrate <sup>(a)</sup>	Strontium-90	Tritium	Alkalinity	Anions <sup>(b)</sup>	Metals (filtered, unfiltered) <sup>(c)</sup>	Gross Alpha	Gross Beta	Technetium-99	Specific Conductance <sup>(d)</sup>	Temperature <sup>(d)</sup>	Turbidity <sup>(d)</sup>	Water Level <sup>(e)</sup>
NA	Spring 039-2	NA	A			A				A	A		A	A	A	
<p>(a) Nitrate not identified as groundwater contaminant of concern in PNNL-14287, but was identified as such in DOE/RL-2005-40.</p> <p>(b) Anions – Analytes include but not limited to chloride, nitrate, and sulfate.</p> <p>(c) Metals – Analytes include but not limited to calcium, chromium, potassium, magnesium, and sodium.</p> <p>(d) Field parameter</p> <p><u>(e) Wells may need to be decommissioned for waste site remediation.</u></p> <p>A = To be sampled annually.</p> <p>BE = To be sampled biennially in even-numbered fiscal years (e.g., fiscal year 2008).</p> <p>BO = To be sampled biennially in odd-numbered fiscal years (e.g., fiscal year 2009).</p> <p>C = Well is constructed as a WAC 173-160 resource protection well.</p> <p>N = Well construction is not compliant with WAC 173-160 resource protection well requirements.</p> <p>NA = Not applicable.</p> <p>Q = To be sampled quarterly.</p>																