



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>	<b>Date:</b>	
TPA-CN-171	N/A	08/09/07	
<b>Document Number and Title:</b> <i>Treatability Test Plan for Removal of Chromium from Groundwater at 100-D Area Using Electrocoagulation, DOE/RL-2006-70, Rev. 0</i>		<b>Date Document Last Issued:</b> February 2007	
<b>Originator:</b> John Winterhalder		<b>Phone:</b> 372-8144 or 430-4737	
<b>Description of Change:</b> Add option of using a second injection well (199-D5-33) located near the 182-D reservoir.			
<p><u>B Charboneau</u> and <u>J Price</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>The third paragraph on page 4-1 is modified as follows to allow option of using a second injection well:</p> <p>A new injection well (199-D5-106) will be installed near the test site to receive treated effluent. The location of the injection well was selected based on proximity to the proposed site, and adjacent to existing injection well 199-D5-42. <del>Injection well 199-D5-42 has not had any problem accepting injection rates of greater than 50 gpm. In the event that the new well cannot receive a sustained injection rate of at least 40 gpm, existing well 199-D5-33 can be used for treated effluent injection throughout the duration of the test.</del> No hexavalent chromium has been associated with the injection of treated effluent <del>in this area in the vicinity of the current injection well, 199-D5-42,</del> indicating the injected effluent has not mobilized a source of hexavalent chromium on the vadose zone. Soil sampling above the water table will be conducted during drilling of the injection well.</p>			
<b>Justification and Impacts of Change:</b>			
<p>The new EC treatability test injection well (199-D5-106) is experiencing some diminished capacity for accepting treated effluent at sustained rates of 40 to 50 gpm. The EC unit will not function effectively at flow through rates of less than 40 gpm. Another injection well is needed to ensure that the treatability test proceeds according to the plan and as much operational data as possible is obtained, so that the EC technology can be thoroughly evaluated for possible future use at Hanford.</p> <p>During injection, well 199-D5-33 will not be available for monitoring changes in groundwater associated with the 182-D Reservoir; however, changes in the reservoir status are not expected during the duration of the treatability test through September 30, 2007. Well 199-D5-33 will be converted back to a monitoring well as soon as possible following this date, including any necessary repairs.</p>			
<b>Approvals:</b>			
 RL Project Manager	8/9/2007 Date	<input checked="" type="checkbox"/> Approved	<input type="checkbox"/> Disapproved
 Ecology Project Manager (HR-3 OU Lead)	8/9/2007 Date	<input checked="" type="checkbox"/> Approved	<input type="checkbox"/> Disapproved

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