

Control Number: 109	NPL Agreement/Change Control Form <input type="checkbox"/> Change <input checked="" type="checkbox"/> Agreement <input type="checkbox"/> Information Operable Unit(s): 100-HR-3	Date Submitted: 11/8/96 Date Approved:
Document Number/Title: Streamlined Approach to Begin Characterization of the 100-D Area "Hot Spot"		Date Document Last Issued:
Originator: A. J. Knepp		Phone: 372-9189
<p>Summary Description: The original funding request for the D Area Hot Spot effort was \$700K, based on the installation of 3 new wells, 4 boreholes, and the sampling and analysis of soils and groundwater. The project was funded for \$100K instead. On September 26, 1996, representatives from DOE/RL, Ecology, EPA, and the ERC met to discuss how these limited funds could best be used. This change form summarizes the approach agreed to at the meeting and, once signed, will be the basis for commencing the effort. The following details were agreed to in the referenced meeting:</p> <p>1. Summary of Plan. The team will attempt (within the budgetary constraints) to install two wells to the same specifications as the interim remedial measure (IRM) monitoring and extraction wells. The general well locations are shown on Figure 1. Split-spoon soil samples will be taken at approximately five feet above the existing water table, and analyzed for hexavalent chromium at an offsite laboratory. The wells will be completed and developed in the same manner as the IRM wells. Groundwater samples will be taken and analyzed for hexavalent chromium using field techniques (i.e., HACH).</p> <p>2. Documentation. The ERC team will update the existing IRM well construction documentation to incorporate this new work. These efforts include obtaining an excavation permit, updating the description of work including a sampling description, updating the health and safety plan and assess whether there are any radiological controls issues. The existing 100-HR-3 waste management plan will apply to this effort (i.e., no changes are needed). The borehole completion reports will be completed in conjunction with the IRM pump and treat system completion reports.</p> <p>3. Objectives. The objective of the effort is to discern whether there is a broader unidentified plume discharging into the Columbia River at this location. The effort will not result in specific identification of sources. The technical memorandum entitled "Proposed Strategy for the Evaluation of the Possible Chromium Plume in the Groundwater Near the 1907-DR Process Sewer Outfall," this change form, the current 100-HR-3 Operable Unit Drilling Waste Management Plan (DOE/RL-96-58), and the updated documents referenced in "2" above will be the documentation basis for performing the work. DOE/RL, Ecology, and EPA acknowledge that this is a very streamlined approach intended to optimize the use of the existing budget.</p>		
<p>Justification and Impact of Change: Due to the limited budget, a greater share of the funds will be spent on the actual field work.</p> <p>Affected documents include:</p> <p>DOE-RL, 1996, <i>Richland Environmental Restoration Project Fiscal Year 1997 - 1999 Work Plan: Work Breakdown Structure 1.4.10.1.1 Groundwater Management</i>, DOE/RL-96-64, Rev. 0, Vol. 3, U.S. Department of Energy, Richland Operations Office, Richland, Washington.</p> <p>BHI, 1996, <i>100-HR-3 and 100-KR-4 Pump-and-Treat Drilling Description of Work</i>, BHI-00770, Rev. 0, Bechtel Hanford, Inc., Richland, Washington.</p> <p>Interoffice Memorandum, "Site Specific Health and Safety Plan: Well Drilling in Support of 100-HR-3/100-KR-4 IRM Pump and Treat, Rev. 0," CCN 037167, dated 10/3/96.</p>		
ERC Project Manager: G. C. Henckel		Date:
DOE Project Manager: A. C. Tortoso		Date: 11/20/96
Ecology Project Manager: W. W. Soper		Date: 11-20-96
EPA Project Manager: L. E. Gadbois		Date:

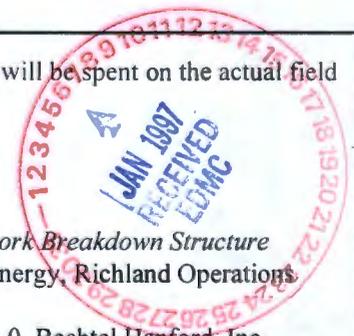


Figure 1. Proposed Well Locations at 100-D Hot Spot

