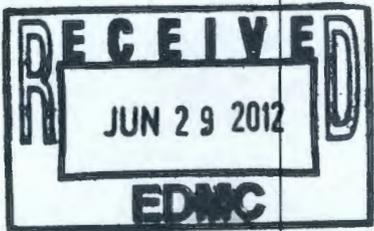


**Office of River Protection, State of Washington Department of Ecology
Change Notice
(Per Hanford Federal Facility Agreement and Consent Order Section 9.3)**

1. Document Title and Number: <i>Sampling And Analysis Plan For Phase 2 Characterization Of Vadose Zone Soil In Waste Management Area C, RPP-PLAN 3877 Rev.2A</i>		
2. Minor Field Change: (Section 12.4 HFFACO Action Plan) <input type="checkbox"/> Yes: (WRPS Signature Only – Attach signed form to Primary Document for record purposes) <input checked="" type="checkbox"/> No: Proceed to Box 3	3. Document Issue Date: 2/28/2011	5. Notice Number: 2011-6 
	4. Document Modification Notice Date: 11/28/2011	
6. Do proposed changes require schedule changes? (Would this extend completion of retrieval beyond 12 months from date of initiation?) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7. Do proposed changes include specific additions, deletions, or modification to scope and/or requirements which affect the overall intent of the plan? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	8. (Check only one box) <input type="checkbox"/> Significant Modification (Check if the answer to question in <u>either</u> section 6 or 7 is "yes". Significant modifications require revision of the primary document.) Minor Modification Requires modification of the document <input checked="" type="checkbox"/> Can be accomplished with Change Notice.
9. Description and Justification of Change: <p>Description: : A change is needed to incorporate information gained from the characterization activities already completed in Waste Management Area (WMA) C under this sampling and analysis plan (SAP) and other characterization tasks, and to modify future characterization activities listed in this SAP accordingly. Changes to the governing work plan (RPP-PLAN-39114) are flowed into this revision of the SAP. Text and figures are added with updated information. Proposed changes were discussed and documented in a series of meetings between Office of River Protection and Washington State Department of Ecology, supported by Washington River Protection Solutions. Detailed specific changes and the explanation for the changes are described below.</p> <p>Explanation:</p> <ul style="list-style-type: none"> • P 1-1, objectives are updated to summarize changes based on integration of results to date, derived from the modified work plan • P 2-1, editorial corrections and clarification of acronyms are added • P 3-1, text added to clarify sequence of events • Table 3-1, p 3-3 and following, updates provided to match the completed and planned characterization events as described in RPP-PLAN-39114 • Pp 3-11, 3-12, clarifications to better describe direct push activities, with additional information regarding the performance of slant direct push • P 3-13, editorial corrections • P 3-14, revised plan for characterization near C-203 is described, as in the revised work plan • P 3-14 additional detail is added on the handling of radioactive soil samples • Figure 3-1 is updated to reflect the revised plan • Figure 3-2 is updated to reflect the revised plan • Figure 3-3 is updated to reflect the revised plan • Pp 3-20, 3-21 editorial changes are made 		

WMA-C

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- P 4-1, first paragraph clarifies detection limits
- P 4-1, section 4.1, describes current application of optimization approach
- Figure 4-1, optimization approach application is clarified in the figure
- P 4-6, editorial changes and acronyms defined
- P 4-7, changes to analysis resulting from the integration of sample results to date are documented
- Table 4-1 is revised to incorporate additional information on methods, holding time, and detection limits, previously spread across multiple tables. In addition, the analytes previously listed in table 4-2 are incorporated into table 4-1
- Tables 4-2, 4-3, 4-4 and 4-5 are deleted because information has moved into Table 4-1
- P 4-23, reporting of TICs into HEIS is clarified
- Tables 4-6 and 4-7 are deleted because the information has moved into Table 4-1
- Pp 5-1, 5-2 QA requirements are clarified
- Table 5-1, Quality assurance acceptance criteria are described by constituent class, rather than by analytical method
- P 5-5, inclusion of detection limits in Tables 5-2 and 5-2 is better described
- Tables 5-2, 5-3, 5-4, 5-5 are modified to delete columns that are redundant with Table 4-1, and to update required analytic methods as appropriate
- Page A-8, Table A-1, information is added to show prioritization of analyses
- Table A-2 (formerly A-1) is updated to combine appropriate categories of sample analyses
- Minor editorial corrections, specification of acronyms, and addition of references occur throughout the document

10. Impact of Change:

Change revises remaining field characterization activities and schedule to reflect information needed to develop the Phase 2 RFI/CMS report for Waste Management Area C. Change documents revisions that have been agreed to in a series of meetings among Ecology, ORP and the tank operations contractor.

11. Additional Requirements and/or Provisions¹:

Approvals

Washington River Protection Solutions, LLC. <i>for Kents mty via Email</i>	Office of River Protection <i>[Signature]</i>	State of Wash., Dept. of Ecology <i>[Signature]</i>
<input type="checkbox"/> Provisional Approval ² Date	<input type="checkbox"/> Provisional Approval ² Date	<input type="checkbox"/> Provisional Approval ² Date
<input checked="" type="checkbox"/> Final Approval Date 12-21-11	<input checked="" type="checkbox"/> Final Approval Date 1/4/12	<input checked="" type="checkbox"/> Final Approval Date 6/6/12

Notes

1 - For use by Ecology to identify any additional information needed to make a decision regarding the change notice. In addition, Ecology will identify actions, if any, regarding the change notice that DOE may take pending Ecology's final decision

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2 – Provisional approval allows DOE and its contractors to take specific actions identified in section 10, prior to final approval of this change notice.