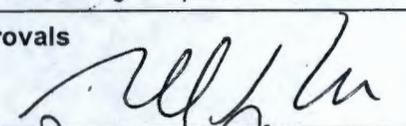
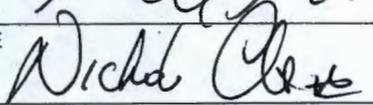


<b>Change Number</b> M-16-07-01	<b>Federal Facility Agreement and Consent Order Change Control Form</b> Do not use blue ink. Type or print using black ink.	<b>Date</b> June 19, 2007
<b>Originator</b> Stacy Charboneau (U.S. Department of Energy, Richland Operations Office [DOE])		<b>Phone</b> (509) 373-3841
<b>Class of Change</b> [ ] I - Signatories                      [X] II - Executive Manager                      [ ] III - Project Manager		
<b>Change Title</b> Extend Interim Milestone M-16-45, "Complete the Interim Remedial Action for the 100-B/C Area," from June 30, 2007 to December 31, 2007.		
<b>Description/Justification of Change</b> <b>Description:</b> M-16-45 was developed in April 2002. Remedial actions have been ongoing in the 100-B/C Area to complete the milestone, and also to address remediation at other waste sites discovered in the 100-B/C Area since the development of M-16-45. In September 2006, this milestone was extended from December 31, 2006 to June 30, 2007 as approved in the M-16-06-03 change package. (See continued description/justification on the next page).		
<b>Impact of Change</b> Extend M-16-45 an additional six months (June 30, 2007 to December 31, 2007).  Approval of this extension will close out the dispute resolution process initiated on April 3, 2007 by DOE letter, 07-AMRC-0146, and DOE memorandum 07-AMRC-0188.		
<b>Affected Documents</b> <i>Hanford Federal Facility Agreement and Consent Order Remedial Design Report/Remedial Action Work Plan for the 100 Area, DOE/RL-96-17, Rev. 5</i>		
<b>Approvals</b>		Page 1 of 2
	4/21/07 ✓	Approved _____ Disapproved _____
DOE	Date	
	21 Jun 07 ✓	Approved _____ Disapproved _____
EPA	Date	
N/A		Approved _____ Disapproved _____
Ecology	Date	

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Description/Justification (continued):

This extension will allow time to complete backfilling 118-B-1 and to perform needed additional vadose zone characterization at 118-B-1, including installing one borehole to groundwater and evaluating data from the borehole. The extension will also provide additional time to complete the characterization and disposal of the remaining anomalous materials that were discovered during the course of the burial ground remediation. This additional characterization data are necessary to ensure compliance with the disposal facility waste acceptance criteria, and to determine if treatment is required. Furthermore, spent nuclear fuel was discovered at the 118-B-1 and 118-C-1 burial grounds, and will require further processing and packaging at the 100-K basins. In coordinating schedules with K-basins, and finalizing packaging requirements and authorizations, shipment of the SNF will occur between June and December 2007. In addition, an Explanation of Significant Difference (ESD) for 118-B-1 will be prepared for the Interim Remedial Action Record of Decision for the 100 Area Burial Grounds to identify additional institutional controls that will be necessary to protect groundwater while allowing for natural decay of residual tritium soil contamination.

Another waste site that is within the scope of this milestone is 116-C-3. The 116-C-3 waste site consists of two underground storage tanks referred to as the North and South tanks, which received and stored chemical waste. Each tank requires remediation, and the south tank requires treatment of the tank contents before disposal. This is a complex activity in that the south underground tank requires treatment in-situ followed with removal of a large treated mass. DOE has demonstrated that additional time is necessary to ensure the safety of the workers, to ensure and verify appropriate controls and processes are in place based on the complexity, particularly since this is a first-time activity. Extension of M-16-45 will allow sufficient time to perform mock-ups, begin treatment of the waste complete treatment of the waste, and perform verification sampling of the treated waste as specified in the EPA approved treatment plan.

**Change**

Extend the due date of M-16-45 six months (June 30, 2007 to December 31, 2007) based on the description and justification outlined above.

The *Hanford Federal Facility Agreement and Consent Order* Interim Milestone is modified as shown below using strikethrough to indicated text deletions and shading to indicate text additions:

Milestone Number	Milestone Description	Completion Date
M-16-45	Complete the Interim Remedial Action for the 100-B/C Area	<del>June 30, 2007</del> December 31, 2007