

Change Number M-16-97-04	Federal Facility Agreement and Consent Order Change Control Form <small>Do not use blue ink. Type or print using black ink.</small>	Date 6/09/97
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Originator Heather Trumble	Phone (509)376-3721
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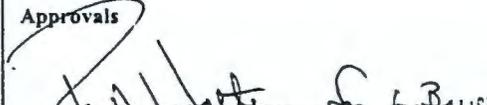
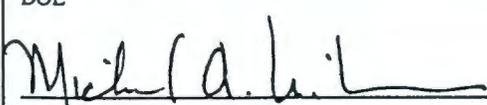
Class of Change <input type="checkbox"/> I - Signatories	<input checked="" type="checkbox"/> II - Executive Manager	<input type="checkbox"/> III - Project Manager
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Change Title
Schedule extension for TPA Interim Milestone M-16-01E and associated target dates M-16-01E-T2 and M-16-01E-T3.

Description/Justification of Change
A number of operational and programmatic issues have impacted the N Basin deactivation schedule such that achievement of TPA Interim Milestone M-16-01E, "Complete N Reactor/100N Area Deactivation pursuant to the work scope identified in the N Reactor Deactivation Plan, Rev. 4, WHC-SP-0615, Dec. 1993", by September 30, 1997, is no longer viable. These issues include: an N Basin authorization basis delay, previous degradation of N Basin water clarity due to ongoing operational activities and operation of equipment, problems with aging equipment (cranes), additional waste disposal scope (including removal of ~1200 aluminum cubicle canister guides as well as 9 additional High Exposure Rate Hardware monoliths), the requirement for aggressive decontamination and/or non-regulated shielding due to higher than anticipated dose readings on the N Basin walls/floors, and the discovery of fuel fragments/cladding requiring disposal. Additionally, there are regulatory constraints regarding the handling and disposal of polychlorinated biphenyl contaminated sediment as identified in a preliminary N Basin sediment sample, as well as the cumulative effect of all of the preceding issues on manpower. Due to these issues, the completion of the work scope required to meet TPA Interim Milestone M-16-01E has been delayed from September 30, 1997, to April 1, 1998. Accordingly, target date M-16-01E-T2, "Initiate Pre-treatment and Removal of N Reactor Fuel Storage Basin Waters" has been delayed from June 1997 to October 1997 and target date M-16-01E-T3, "Complete Characterization of N Reactor Fuel Storage Basin sludge and debris", has been delayed from April 1997 to October 1997.

Impact of Change
The 6 month schedule extension for TPA Interim Milestone M-16-01E from September 30, 1997, to April 1, 1998, results in work scope extending into FY 1998, however, no currently planned outyear D&D or remediation activities at the 100N Area will be impacted by this deferral. The extension in the project schedule corresponds to an estimated increase in costs during FY 1997 of approximately \$3.1M and a projected increase in FY 1998 of \$3.6M. This equates to additional costs of approximately \$6M to the prior overall N Reactor Deactivation approved baseline of \$105M. The proposed extension dates for TPA interim milestone M-16-01E and associated target dates M-16-01E-T2 and M-16-01E-T3 were developed utilizing the results of a May 2, 1997, N Basin Schedule Review/ Re-evaluation meeting and subsequent project work sessions. The schedule review/re-evaluation workshop was held in order to better quantify the impacts of various operational issues and regulatory constraints to the overall N Area Deactivation schedule, and addressed the remaining work scope and refined the schedule logic. (Cont'd on Pg 2)

Affected Documents
Hanford Federal Facility Agreement and Consent Order, as amended.

Approvals  _____ DOE	6/9/97 _____ Date	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved
 _____ Ecology	6/9/97 _____ Date	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved
NA _____ EPA	_____ _____ Date	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved



Impact of Change (Cont'd)

A significant amount of the work scope necessary for completion of 100N Area Deactivation is on schedule to be complete by September 30, 1997, as originally planned. Of a total of 89 100N Area buildings requiring deactivation, 84 will be complete as of September 30, 1997. It is necessary to defer the deactivation of 4 facilities because they provide necessary support for the extended N Basin activities. Deactivation of those 4 facilities is scheduled to be complete by April 1, 1998. Another facility, the shutdown 107N building, is currently projected to extend beyond September 30, 1997, due to recent waste characterization results.

Completion of target date M-16-01E-T2, "Initiate Pre-treatment and Removal of N Reactor Fuel Storage Basin Waters", by October 1997, supports timely completion of TPA Interim Milestone M-16-01E by the extended due date of April 1, 1998. Detailed planning for the water removal activity is ongoing. Because of the myriad of basin activities occurring simultaneously with water removal, several basin draindown scenarios are being analyzed in order to optimize the sequence of events and support successful schedule performance. Additionally, lessons-learned from the recent successful completion of the Lift Station water removal activities are being incorporated into the planning for the N Basin water removal.

Completion of target date M-16-01E-T3, "Complete Characterization of N Reactor Fuel Storage Basin sludge and debris", by October 1997, supports timely completion of TPA Interim Milestone M-16-01E by the extended due date of April 1, 1998. In order to support expeditious execution of the sediment removal activity once the N Basin sediment characterization data has been obtained, a sediment removal acquisition strategy plan has been developed. Several parallel paths for sediment disposition are being planned and engineered for, utilizing preliminary N Basin sediment analyses data, and the sediment removal subcontract process has been steadily progressing. Ongoing communications with the 222-S laboratory are anticipated to support an expedited sample analyses turnaround which may further support prompt completion of this activity.

