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Change Number M-43-95-02	Federal Facility Agreement and Consent Order Change Control Form <small>Do not use blue ink. Type or print using black ink.</small>	Date November 29, 1995
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Class of Change

I - Signatories       II - Executive Manager       III - Project Manager

Change Title

Revise the M-43-02, M-43-04, M-43-05, & M-43-06 series of milestones to reflect the current management approach to Project W-314 and the current project status.

Description/Justification of Change

The existing series of milestones to be changed is shown below:

M-43-02	COMPLETE PROJECT W-314B DOUBLE SHELL TANK VENTILATION UPGRADE.	6/30/2002
M-43-02-T07	START DEFINITIVE DESIGN FOR W-314B.	1/31/1997
M-43-02-T08	COMPLETE DEFINITIVE DESIGN FOR W-314B.	1/31/1999
M-43-02-T09	START CONSTRUCTION FOR W-314B.	3/31/1999
M-43-02B	COMPLETE CONSTRUCTION OF W-314B (DOUBLE SHELL TANK VENTILATION UPGRADE).	12/31/2001
M-43-02C	START OPERATION OF W-314B (DOUBLE SHELL TANK VENTILATION UPGRADE).	6/30/2002

(cont.)

Impact of Change

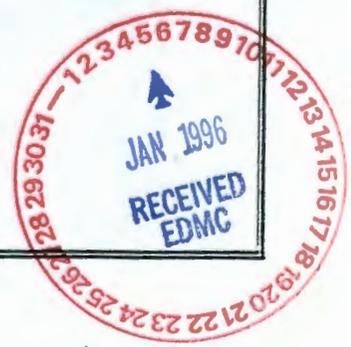
Inadequacy of original documentation submitted by RL to DOE Headquarters, coupled with an unusually lengthy Key Decision 0 (KD-0) review, has caused a one year slip in start dates of several activities on the project schedule. This change to the milestone series allows for flexibility in schedule built around the receipt date of KD-0 approval, while acknowledging early milestones are unrecoverable and will be missed. There is no change to the project completion date.

Affected Documents

Hanford Federal Facility Agreement and Consent Order Action Plan, Appendix D.

Approvals

<i>Jackson Eniger</i> DOE	12-4-95 Date	<input checked="" type="checkbox"/> Approved	<input type="checkbox"/> Disapproved
<i>M.A. McLaughlin</i> EPA	12/17/95 Date	<input type="checkbox"/> Approved	<input type="checkbox"/> Disapproved
<i>M.A. McLaughlin</i> Ecology	12/17/95 Date	<input type="checkbox"/> Approved	<input checked="" type="checkbox"/> Disapproved



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## Description/Justification (cont.)

M-43-04	COMPLETE PROJECT W-314A TANK FARM INTEGRATED INSTRUMENTATION SYSTEM UPGRADES.	6/30/2002
M-43-04-T06	START DEFINITIVE DESIGN FOR W-314A.	1/31/1996
M-43-04-T07	COMPLETE DEFINITIVE DESIGN FOR W-314A.	11/30/1998
M-43-04-T08	START CONSTRUCTION OF W-314A.	12/31/1998
M-43-04B	PROVIDE THE WASHINGTON STATE DEPARTMENT OF ECOLOGY AND DEPARTMENT OF HEALTH AN INTEGRATED LEVEL 3 SCHEDULE SHOWING ALL PHASES OF PROJECT CONSTRUCTION (FOR PROJECT W-314A TANK FARM INTEGRATED INSTRUMENTATION SYSTEM UPGRADE).	12/31/1998
M-43-04C	COMPLETE CONSTRUCTION OF W-314A.	12/31/2001
M-43-04D	START OPERATION OF W-314A.	6/30/2002
M-43-05	PROJECT W-314C TRANSFER SYSTEM UPGRADES	6/30/2004
M-43-05-T07	START DEFINITIVE DESIGN FOR W-314C.	1/31/1998
M-43-05-T08	COMPLETE DEFINITIVE DESIGN FOR W-314C.	11/30/2000
M-43-05-T09	START CONSTRUCTION OF W-314C.	3/31/2000
M-43-05A	PROVIDE THE WASHINGTON STATE DEPARTMENT OF ECOLOGY THE PROJECT CONCEPTUAL DESIGN REPORT (PROJECT W-314C TRANSFER SYSTEM UPGRADES).	5/31/1996
M-43-05B	COMPLETE CONSTRUCTION OF W-314C.	12/31/2003
M-43-05C	START OPERATION OF W-314C.	6/30/2004
M-43-06	COMPLETE PROJECT W-314D TANK FARM ELECTRICAL UPGRADE.	6/30/2005
M-43-06-T07	START DEFINITIVE DESIGN FOR W-314D.	1/31/1999
M-43-06-T08	COMPLETE DEFINITIVE DESIGN FOR W-314D.	10/31/2001
M-43-06-T09	START CONSTRUCTION OF W-314D.	3/31/2001
M-43-06A	PROVIDE THE WASHINGTON STATE DEPARTMENT OF ECOLOGY THE PROJECT CONCEPTUAL DESIGN REPORT (FOR PROJECT W-314D TANK FARM ELECTRICAL UPGRADE).	5/31/1997
M-43-06B	COMPLETE CONSTRUCTION OF W-314D.	12/31/2004
M-43-06C	START OPERATION OF W-314D.	6/30/2005

Description/Justification (cont.)

The above milestones will be deleted and replaced by the following (1):

M-43-09	COMPLETE CONCEPTUAL DESIGN REPORT FOR PROJECT W-314 TANK FARM UPGRADES.	5/31/1996
M-43-10	START DEFINITIVE DESIGN FOR PROJECT W-314.	1/31/1997
M-43-11	PROVIDE THE W-314 PROJECT CONSTRUCTION SCHEDULE TO ECOLOGY.	9/30/1998
M-43-12	START CONSTRUCTION FOR UPGRADES IN THE FIRST TANK FARM.	6/30/1999
M-43-13	START CONSTRUCTION FOR UPGRADES IN THE SECOND TANK FARM.	6/30/2000
M-43-14	START CONSTRUCTION FOR UPGRADES IN THE THIRD TANK FARM.	3/31/2001
M-43-15	START CONSTRUCTION FOR UPGRADES IN THE FOURTH TANK FARM.	3/31/2002
M-43-16	START CONSTRUCTION FOR UPGRADES IN THE FIFTH TANK FARM.	6/30/2003

(1) These milestones are based on preliminary planning available prior to completion of the Project W-314 Conceptual Design. Without the planning basis to be developed in the Conceptual Design Report (M-43-09) the proposed milestone dates are only an estimate. Consequently, there is risk of not meeting these milestones by the dates specified. DOE reserves the right to renegotiate these milestone dates, as needed, when better planning or funding constraints dictate.

This change is driven by two distinct causes. Although the milestones above combine the causes into a single output, the justification is best understood if taken in two pieces.

First is the justification for combining the four distinct series of interim milestones. Project W-314 is a Major Systems Acquisition (MSA) project. It formerly consisted of four sub-projects:

- W-314A Tank Farm Integrated Instrumentation System Upgrades
- W-314B Double Shell Tank Ventilation Upgrades
- W-314C Transfer System Upgrades
- W-314D Tank Farm Electrical Upgrades.

Each of the sub-projects was planned for a slightly different schedule.

During the Engineering Studies for these projects it became clear that the integration and management of this project in design and construction would be improved if they were combined into a single project on a single schedule. Therefore, the former sub-projects have been combined into a single MSA with no sub-projects retaining the Project W-314

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## Description/Justification (cont.)

designation. As a result the four series of TPA interim milestones are combined in this change request to a single milestone series.

Second is the change to reflect the current project status.

Under the DOE Project Management System, DOE Headquarters is required to approve critical points in the project process. The current delays to Project W-314 have been caused by a delay in approval of Key Decision-0 (KD-0) which was required before conceptual design activities could begin. Approval of KD-0, originally scheduled for July 1994, was required before October 1, 1994 to avoid schedule delays. KD-0 was approved on February 15, 1995. Delegation of authority for future key decisions from DOE-HQ to the RL field office is being sought.