



Department of Energy

Richland Operations Office
P.O. Box 550
Richland, Washington 99352

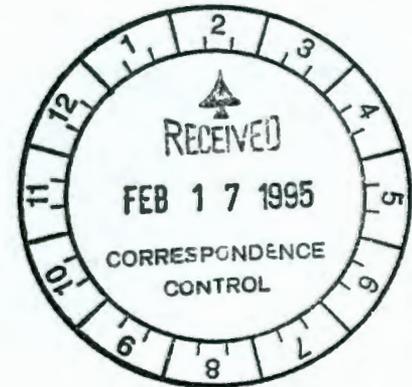
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95-TWP-018

Mr. Douglas R. Sherwood
Hanford Project Manager
U.S. Environmental Protection Agency
712 Swift Boulevard, Suite 5
Richland, Washington 99352

Mr. Roger Stanley
Tri-Party Agreement Implementation
State of Washington
Department of Ecology
P. O. Box 47600
Olympia, Washington 98504-7600



Dear Messrs. Sherwood and Stanley:

HANFORD FEDERAL FACILITY AGREEMENT AND CONSENT ORDER CHANGE CONTROL
FORM M-43-95-01

Enclosed for your consideration is Hanford Federal Facility Agreement and Consent Order Change Control Form M-43-95-01. This requests a change to the M-43 milestone series relating to Project W-314, Tank Farm Restoration and Safe Operations (TFRSO). The change request reflects the current status of the project, including the delay in receipt of Key Decision 0 from the U.S. Department of Energy (DOE) Headquarters, as well as changes in the strategy and approach for executing the project since the original milestones were negotiated.

DOE, Richland Operations Office (RL) has previously notified the State of Washington, Department of Ecology and U.S. Environmental Protection Agency that Interim Milestones M-43-02A and M-43-04A, due May 1995, as well as target dates M-43-02-T06 and M-43-04-T05, due June 1995, would be missed (Ref. Letter, Holt to Sherwood and Stanley, October 20, 1994.) The enclosed change request is being provided in advance of the due date for these milestones so that timely discussion and resolution of the needed changes may occur.

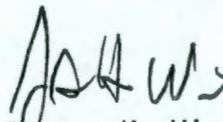


Messrs. Sherwood & Stanley
95-TWP-018

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RL welcomes further discussion on this change request at your earliest convenience. Please call me, or Mr. M. L. Ramsay of the Tank Waste Projects Division on (509)376-7924 if you have any questions.

Sincerely,



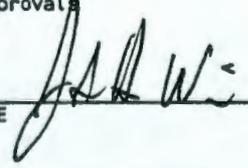
Steven H. Wisness
Hanford Project Manager

TWP:MLR

Enclosure

cc: N. T. Hepner, Ecology
S. E. McKinney, Ecology
T. Michelena, Ecology
D. Faulk, EPA
J. D. Thomson, WHC
[REDACTED] WHC
W. W. Rutherford, WHC



Change Number M-43-95-01	Federal Facility Agreement and Consent Order Change Control Form <small>Do not use blue ink. Type or print using black ink.</small>	Date January 31, 1995
Originator G.L. Crawford/M.A. McLaughlin		Phone 373-5896/376-4084
Class of Change <input type="checkbox"/> I - Signatories <input checked="" type="checkbox"/> II - Project Manager <input type="checkbox"/> III - Unit 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, the application of the current Systems Engineering approach, and the current project status.		
Description/Justification of Change See attached pages 2 through 5.		
Impact of Change Key Decision-0 (KD-0) has not been received from DOE-HQ. To date, the delay in approval of KD-0 has caused a one year minimum slip in completion of the project. Delay in receipt of KD-0 beyond February 1, 1995 may produce further project delays. This change to the milestone series allows for flexibility in schedule built around the receipt date of KD-0 approval.		
Affected Documents Hanford Federal Facility Agreement and Consent Order Action Plan, Appendix D.		
Approval  _____ DOE		_____ Date <input checked="" type="checkbox"/> Approved ___ Disapproved _____ Date ___ Approved ___ Disapproved _____ Date ___ Approved ___ Disapproved
_____ EPA		_____ Date ___ Approved ___ Disapproved
_____ Ecology		_____ Date ___ Approved ___ Disapproved

Hanford Federal Facility Agreement and Consent Order
Change Control Form
M-43-95-01
Page 2

DESCRIPTION (cont.)

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-T06	RECEIVE DOE-HQ PROJECT VALIDATION TO REQUEST CONGRESSIONAL FUNDING (FOR PROJECT W-314B DOUBLE SHELL TANK VENTILATION UPGRADE).	6/30/1995
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-43-02A	PROVIDE THE WASHINGTON STATE DEPARTMENT OF ECOLOGY AND DEPARTMENT OF HEALTH THE PROJECT CONCEPTUAL DESIGN REPORT (OF PROJECT W-314B DOUBLE-SHELL TANK UPGRADE).	5/31/1995
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
M-43-04	COMPLETE PROJECT W-314A TANK FARM INTEGRATED INSTRUMENTATION SYSTEM UPGRADES.	6/30/2002
M-43-04-T05	RECEIVE DOE-HQ PROJECT VALIDATION TO REQUEST CONGRESSIONAL FUNDING (FOR W-314A TANK FARM INTEGRATED INSTRUMENTATION SYSTEM UPGRADE).	6/30/1995
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-43-04A	PROVIDE THE WASHINGTON STATE DEPARTMENT OF ECOLOGY AND DEPARTMENT OF HEALTH THE PROJECT CONCEPTUAL DESIGN REPORT (FOR PROJECT W-314A TANK FARM INTEGRATED INSTRUMENTATION SYSTEM UPGRADE).	5/31/1995
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

Description (cont.)

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-T06	RECEIVE DOE-HQ PROJECT VALIDATION TO REQUEST CONGRESSIONAL FUNDING (FOR PROJECT W-314C TRANSFER SYSTEM UPGRADES).	6/30/1996
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-T06	RECEIVE DOE-HQ PROJECT VALIDATION TO REQUEST CONGRESSIONAL FUNDING (FOR PROJECT W-314D TANK FARM ELECTRICAL UPGRADE).	6/30/1997
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

The above milestones will be deleted and replaced with the following:

M-43-08	COMPLETE PROJECT W-314 TANK FARM RESTORATION AND SAFE OPERATIONS MAJOR SYSTEMS ACQUISITION	TBD
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Description (cont.)

M-43-08-T01	RECEIVE DOE-HQ PROJECT VALIDATION TO REQUEST CONGRESSIONAL FUNDING (FOR W-314).	TBD
M-43-08-T02	START DEFINITIVE DESIGN FOR W-314.	TBD
M-43-08-T03	COMPLETE DEFINITIVE DESIGN FOR W-314.	TBD
M-43-08-T04	START CONSTRUCTION OF W-314.	TBD
M-43-08A	PROVIDE THE WASHINGTON STATE DEPARTMENT OF ECOLOGY AND DEPARTMENT OF HEALTH, AND EPA THE PROJECT SYSTEM DESIGN REQUIREMENTS (FOR PROJECT W-314).	12 MONTHS AFTER RECEIPT OF KD-0 FROM DOE-HQ
M-43-08B	SUBMIT A PROPOSED CHANGE TO THE WASHINGTON STATE DEPARTMENT OF ECOLOGY AND DEPARTMENT OF HEALTH, AND EPA WHICH REMOVES THE "TBD'S" FROM THE REMAINING M-43-08 MILESTONES AND REPLACES THEM WITH DATES FOR COMPLETION.	JULY 31 FOLLOWING COMPLETION OF M-43-08A.
M-43-08C	PROVIDE THE WASHINGTON STATE DEPARTMENT OF ECOLOGY AND DEPARTMENT OF HEALTH AND EPA AN INTEGRATED LEVEL 3 SCHEDULE SHOWING ALL PHASES OF PROJECT CONSTRUCTION (FOR PROJECT W-314).	TBD
M-43-08D	COMPLETE CONSTRUCTION OF W-314.	TBD
M-43-08E	COMPLETE TURNOVER OF ALL W-314 SYSTEMS TO OPERATIONS.	TBD

Justification

This change is driven by three distinct causes. Although the milestones above combine the causes into a single output, the justification is best understood if taken in three 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 designation. As a result the four series of TPA interim milestones are combined in this change request to a single milestone series.

Justification (cont.)

Second is the change in wording from Conceptual Design Report to Systems Design Requirements.

TWRS is in the process of converting from the traditional project management approach and documentation to a systems engineering approach. Under the new systems engineering approach, the Conceptual Design Report is being replaced by the System Design Requirements (SDR). The SDR will include design concepts, as well as systems engineering project basis documentation. Therefore the milestone which formerly called for submittal of a Conceptual Design Report was reworded to call for the submittal of a System Design Requirements.

Third, and last, is the change to reflect the current project status.

A budget restructuring change is being processed to transfer from project W-314 the waste transfer systems which support waste retrieval from tanks. This scope is being transferred to the Retrieval Program which will administer the work. This transfer of responsibility will allow that scope to be more closely integrated with its primary purpose, waste retrieval from tanks.

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 is required before conceptual design activities can begin. Approval of this decision by DOE-HQ was requested by DOE-RL in June 1994. Approval of KD-0, originally scheduled for July 1994, was required before October 1, 1994 to avoid schedule delays. As of January 31, 1995 approval of KD-0 has not been received.

As a result, the milestone for completion of the W-314 SDR, is logically tied to two things:

- Receipt of KD-0, which is in the control of DOE-HQ.
- 12 months to prepare the SDR, subsequent to receipt of KD-0.

The milestone to remove the TBDs from the schedule is based on anticipated approval of the project cost and schedule baselines before July 31 following completion of the SDR.

CORRESPONDENCE DISTRIBUTION COVERSHEET

Author	Addressee	Correspondence No.
S. H. Wisness, RL	R. F. Stanley, Ecology D. R. Sherwood, EPA	Incoming: 9500965
Subject: HANFORD FEDERAL FACILITY AGREEMENT AND CONSENT ORDER CHANGE CONTROL FORM M-43-95-01		

INTERNAL DISTRIBUTION

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		N. G. Awadalla	R2-76	X
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		S. R. Moreno	B3-06	
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		J. D. Thomson	R2-76	X
		A. M. Umek, Assignee	S7-81	X
		TFIC	R1-20	X
		EDMC	H6-08	X

