



U.S. Department of Energy
Office of River Protection

1215741

P.O. Box 450, MSIN H6-60
Richland, Washington 99352

JUL 27 2012

12-WTP-0234

Ms. Jane A. Hedges, Program Manager
Nuclear Waste Program
Washington State
Department of Ecology
3100 Port of Benton Blvd.
Richland, Washington 99354

Mr. Dennis E. Faulk
U.S. Environmental Protection Agency
Hanford, INL Project Office
309 Bradley Blvd. Ste 115
Richland, Washington 99352

Addressees:

HANFORD FEDERAL FACILITY AGREEMENT AND CONSENT ORDER (HFFACO)
(ALSO KNOWN AS TRI-PARTY AGREEMENT) INTERIM MILESTONE M-062-01, JULY
2012 SEMI-ANNUAL PROJECT COMPLIANCE REPORT FOR NOVEMBER 1, 2011,
THROUGH APRIL 30, 2012

This letter transmits the U.S. Department of Energy, July 2012 Semi-Annual Project Compliance Report (Attachment) required by Interim Milestone **M-062-01** for the period of November 1, 2011, through April 30, 2012. As stipulated in the M-062-01 milestone, this report includes project summaries of accomplishments, issues, and actions being taken for the M-062-00 milestone series.

If you have any questions, please contact me, or your staff may contact Delmar L. Noyes, Deputy Federal Project Director (Field Operations), Waste Treatment and Immobilization Plant Project, (509) 376-5166, or Thomas W. Fletcher, Assistant Manager for Tank Farms Project, (509) 376-3434.

Sincerely,

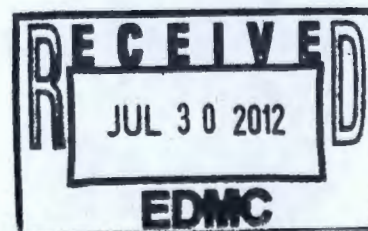
Scott L. Samuelson, Manager
Office of River Protection

WTP:WKW

Attachment

cc: See Page 2

S.2.4



Addressees
12-WTP-0234

-2-

JUL 27 2012

cc w/attach:

F. M. Russo, BNI
B. G. Erlandson, BNI
J. Cox, CTUIR
S. Harris, CTUIR
S. L. Dahl, Ecology
J. J. Lyon, Ecology
D. McDonald, Ecology
J. B. Price, Ecology
C. Whalen, Ecology
K.G. Picha, EM-2
S. L. Leckband, HAB
J. F. Ollero, MSA
R. E. Piippo, MSA
J. G. Vance, MSA
G. Bohnee, NPT
K. Niles, ODOE
C. Burrows, WRPS
J. W. Donnelly, WRPS
C. G. Spencer, WRPS
R. Jim, YN

Administrative Record

BNI Correspondence
Environmental Portal, LMSI
TPA Administrative Record (S-2-4)
WRPS Correspondence

cc w/o attach:

M. Anderson-Moore, Ecology
G. P. Davis, Ecology

**U.S. DEPARTMENT OF ENERGY, OFFICE OF RIVER
PROTECTION RIVER PROTECTION PROJECT – JULY 2012
SEMI-ANNUAL PROJECT COMPLIANCE REPORT PER
HANFORD FEDERAL FACILITY AGREEMENT AND
CONSENT ORDER MILESTONE M-062-01**

NOVEMBER 1, 2012 – APRIL 30, 2012

The logo for the Office of River Protection features the text "Office of River Protection" in a bold, sans-serif font. The text is set against a background that resembles a stylized, wavy river or water surface, with a textured, slightly grainy appearance.

**U.S. DEPARTMENT OF ENERGY
OFFICE OF RIVER PROTECTION
2440 Stevens Center Place
Richland, Washington 99354**

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LIST OF ACRONYMS

BNI	Bechtel National, Inc.
DOE	U.S. Department of Energy
EAC	Estimate at Completion
Ecology	Washington State Department of Ecology
EFRT	External Flowsheet Review Team
FSBR	Fluid Bed Stream Reformer
FY	Fiscal Year
HFFACO	Hanford Federal Facility Agreement and Consent Order
HTWOS	Hanford Tank Waste Operations Simulation
LCM	Life Cycle Cost Model
ORP	Office of River Protection
RCRA	Resource Conservation and Recovery Act of 1976, as amended
SP	System Plan
SST	Single shell tank
TOC	Tank operations contract
TPA	Tri-Party Agreement
WRPS	Washington River Protection Solutions
WTP	Waste Treatment and Immobilization Plant

1.0 INTRODUCTION

The U.S. Department of Energy (DOE) Office of River Protection (ORP) is submitting this Semi-Annual Project Compliance Report (M-062-01Y) to satisfy the requirements of the Hanford Federal Facility Agreement and Consent Order (HFFACO), commonly referred to as the Tri-Party Agreement (TPA), Milestone M-062-01. As detailed in M-062-01, this report documents ORP's compliance with the TPA Milestone M-062-00 series, provides updates, progress and issues relative to those milestones, and identifies activities expected in the near future.

DOE and DOE's Contractors remain in compliance with TPA Milestone M-062-00 series requirements and have completed sufficient work to allow achievement of the requirements.

This compliance report discusses each of the M-062-00 milestones due during the reporting period. The project progress, budget, and cost information in the report is based on the period of November 2011 through April 2012.

2.0 NEAR-TERM M-062-00 SERIES TPA MILESTONES

2.1 M-062-40

M-062-40, Submit a System Plan to Ecology describing the disposition of all tank waste managed by ORP. M-062-40 has several embedded milestones:

- M-062-40B, Submit a system plan describing the disposition of all tank waste managed by ORP. Due: 10/31/2012, Status: Complete. ORP submitted the River Protection Project System Plan, Revision 6, with a joint Ecology signature to EPA on 10/24/2011.
- M-062-40C, Select a minimum of three scenarios that will be analyzed in the system plan. Due: 10/31/2013, Status: On Schedule.
- M-062-40D, Submit a system plan describing the disposition of all tank waste managed by ORP. Due: 10/31/2014, Status: On Schedule.

2.2 M-062-40ZZ

M-062-40ZZ, Submit a one-time Tank Waste Supplemental Treatment Technologies report if a supplemental treatment technology is proposed other than a 2nd LAW. Due: 10/31/2014, Status: On Schedule.

2.3 M-062-49

M-062-49, Submit a report to Ecology demonstrating WTP design meets vitrification criteria. Due 10/31/2011, Status: Complete. DOE Letter 11-WTP-106, *Tri-Party Agreement (TPA) Changes and BNI Support*, directed BNI to take responsibility for TPA milestone M-62-49. The required report was submitted to the Department of Ecology on 10/27/2011.

3.0 WASTE TREATMENT AND IMMOBILIZATION PLANT (WTP)

3.1 Budget/Cost Status

Total funding available for the WTP Project in FY 2012 is forecast to be \$886 million, which includes \$740 million new budget authority and \$146 million of FY 2011 carryover funds. To date, the WTP Project has received \$7.586 billion of funding.

For FY 2012, the WTP Project plans to spend \$740 million through September 2012. At the end of the reporting period, the total WTP Project spend is \$7.227 billion.

4.0 TANK FARMS

4.1 Budget/Cost Status

The total budget at completion for SST retrieval activities in fiscal year 2012 is \$96.7M. For this reporting period, SST retrieval activities cost-to-date is \$45.6M.

For FY 2012, the TF Project plans to spend \$479 million through September 2012, spend plan is pending monthly or quarterly distribution of funds.

5.0 SCHEDULE MITIGATION

All M-062-00 milestones are on schedule. No schedule mitigation has been necessary during the reporting period.