

Pollution Prevention/ Waste Minimization Program

1998 Fiscal Year Work Plan

WBS 1.11.2.1

D. S. Merry

Waste Management Federal Services of Hanford, Inc.

Date Published

September 1997

Prepared for the U.S. Department of Energy
Assistant Secretary for Environmental Management

Project Hanford Management Contractor for the
U.S. Department of Energy under Contract DE-AC06-96RL13200

Approved for public release; distribution is unlimited

RELEASE AUTHORIZATION

Document Number: HNF-SP-1232, Rev. 1

Document Title: Pollution Prevention/Waste Minimization Program
1998 Fiscal Year Work Plan - WBS 1.11.2.1

This document, reviewed in accordance with DOE Order 1430.1D, "Scientific and Technical Information Management," and DOE G 1430.1D-1, "Guide to the Management of Scientific and Technical Information," does not contain classified or sensitive unclassified information and is:

APPROVED FOR PUBLIC RELEASE

V. L. Birkland
V. L. Birkland

9/22/97

Lockheed Martin Services, Inc.
Document Control/Information Clearance

Reviewed for Applied Technology, Business Sensitive, Classified, Copyrighted, Export Controlled, Patent, Personal/Private, Proprietary, Protected CRADA, Trademark, Unclassified Controlled Nuclear Information.

LEGAL DISCLAIMER. This report was prepared as an account of work sponsored by an agency of the United States Government. Neither the United States Government nor any agency thereof, nor any of their employees, nor any of their contractors, subcontractors or their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or any third party's use or the results of such use of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights. Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise, does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof or its contractors or subcontractors. The views and opinions of authors expressed herein do not necessarily state or reflect those of the United States Government or any agency thereof. This report has been reproduced from the best available copy. Printed in the United States of America. Available to the U.S. Department of Energy and its contractors from the U.S. Department of Energy Office of Scientific and Technical Information, P.O. Box 62, Oak Ridge, TN 37831; Telephone: 423/576-8401.

Available to the public from the U.S. Department of Commerce National Technical Information Service, 5285 Port Royal Road, Springfield, VA 22161; Telephone: 703/487-4650.

INFORMATION RELEASE REQUEST
PUBLIC DOCUMENT CHANGE/REVISION
(Short Form No. 1)

1. Base Document ID Number: HNF-SP-1232, Rev. 0

2. Base Document Title:

Pollution Prevention/Waste Minimization Program 1998 Fiscal Year Work Plan -
WBS. 1.11.2.1

3. Change/Revision Number: Rev. 0

4. Change/Revision Date: 09/19/97

5. Unclassified Category:* UC - 900

6. Budget & Reporting Code:* B&R - EW7070902

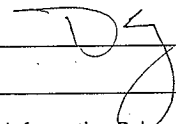
I verify this change/revision to the base document indicated above:

- Complies with the provisions of WHC-CM-3-4
- Contains no Limited-Use information
- Contains no classified or Applied Technology references
- Does not change the intent or meaning of the base document
- And, the base document itself is approved for public release.

7. Responsible Manager: Dale E. McKenney

MSIN: H6-06

Telephone Number: 376-1589



(Signature)

09/17/97
(Date)

8. Information Release Administration Specialist:**



(Signature)

9/22/97
(Date)

*Required only for full revisions transmitted to OSTI.

**Required only for full revisions.

POLLUTION PREVENTION/WASTE MINIMIZATION PROGRAM

WBS 1.11.2.1

FY 1998 Fiscal Year Work Plan

HNF-SP-1232, Rev. 1

TABLE OF CONTENTS

1.0 TECHNICAL BASELINE

1.1 Technical Objectives

1.2 Issues and Assumptions

1.3 WBS Hierarchy

2.0 SCHEDULE BASELINE

2.1 Major Milestone List

2.2 Milestone Description Sheets

3.0 COST BASELINE

3.1 Cost Baseline (BCWS) for Execution Year by Month by Fund Type

POLLUTION PREVENTION/WASTE MINIMIZATION PROGRAM
WBS 1.11.2.1

FY 1998 Fiscal Year Work Plan

HNF-SP-1232, Rev. 1

1.0 TECHNICAL BASELINE

1.1 Mission/Technical Objectives

Mission

Pollution Prevention/Waste Minimization (P2/WMin) is the Department of Energy's preferred approach to environmental management. The P2/WMin mission is to eliminate or minimize waste generation, pollutant releases to the environment, use of toxic substances, and to conserve resources by implementing cost-effective pollution prevention technologies, practices, and policies.

Technical Objectives

- ♦ Coordinate the Hanford Site Pollution Prevention and Waste Minimization Program in support of Fluor Daniel Hanford (FDH) and the Department of Energy, Richland Operations office in the development and implementation of the Sitewide Program. Develop site-specific guidance for implementing P2 activities established by the U.S. Department of Energy - Headquarters in the 1996 *P2 Program Plan* and for ensuring consistent generator programs are developed.
- ♦ Provide leadership to promote a Sitewide program to reduce both the volume and toxicity of radioactive, mixed, hazardous and sanitary waste types, to promote recycling, and resource conservation to reduce future risks and costs associated with managing wastes and pollutants.
- ♦ Maintain a program that complies with federal, state and DOE directives.
- ♦ Compile reports on Site P2 progress, including compliance reporting.
- ♦ Establish site-specific goals to minimize the generation of wastes and pollutants, including hazardous, radioactive, mixed, and sanitary from site operations.
- ♦ Establish performance measures to track P2/WMin progress against established goals. Support DOE-HQ performance measures issued in the Project Baseline Summary (PBS).
- ♦ Conduct site strategic waste stream analyses (Pollution Prevention Opportunity Assessments) that cross-cut major waste generating sources and provide recommendations for reduction/elimination.
- ♦ Develop and maintain a database tracking and reporting system for pollution prevention opportunities and waste stream identification.
- ♦ Develop and implement tools to assist generators in achieving P2/WMin results and provide technical assistance and support.

POLLUTION PREVENTION/WASTE MINIMIZATION PROGRAM

WBS 1.11.2.1

FY 1998 Fiscal Year Work Plan

HNH-SP-1232, Rev. 1

- ♦ Promote employee awareness and information exchange to increase P2/WMin among site contractors.
- ♦ Plan, budget, and oversee P2/WMin Program funding provided by EM-77.
- ♦ Coordinate the solicitation, dispersal of funding and provide budgetary oversight of P2/WMin Return on Investment (ROI) projects.
- ♦ Support integration of P2/WMin guidelines into policies and procedures.

1.2 ISSUES AND ASSUMPTIONS

The issues for P2/WMin are as follows:

- ♦ Appropriate contractual language or contract modifications are required to ensure generators staff to fulfill the WMin requirements and provide the necessary interfaces.
- ♦ The number of generators within FDH is excessive, specifically, FDH Enterprise Companies (ENCOS) report waste generation and waste reduction separately. The ENCOS need to be reported through the major subcontractors for whom the work is being performed.
- ♦ Contractually Waste Management is responsible for Waste Minimization which by definition includes Recycling. In addition, Waste Management Hanford has a Performance Agreement to meet the Secretary of Energy goals, including a Recycling goal. Waste Management, Inc. is the nation's largest recycler and has the corporate expertise to take Hanford's Program to a new level. Recycling in FDH is handled by multiple companies and organizations within companies (multiple contracts, lesser volumes/revenues). Recycling revenues are not shared with companies in FHD and companies are being charged for movement of materials for recycling, creating a disincentive to recycle. Other prime contractors now have separate contracts. Need to consolidate Site Recycling activities to one sustainable program.
- ♦ The EPA biennial report will be submitted to the Washington State Department of Ecology as formatted through the Dangerous Waste Report. EPA has not officially notified RL that report has been eliminated.

The following assumptions provide the basis for the P2/WMin Program:

- ♦ All DOE Orders, Executive Orders, and the Code of Federal Regulations (CFR) stipulated in the FDH contract continue to apply. It is assumed that these are part of the BHI and PNNL contracts.
- ♦ The P2/WMin Program is funded as part of the National Program and is funded on an annual basis by EM-77. The P2/WMin Program will continue for Hanford Site areas as long as the site operates. Its function will evolve as necessary in order to continue to provide a requirements-driven, cost effective function.

POLLUTION PREVENTION/WASTE MINIMIZATION PROGRAM

WBS 1.11.2.1

FY 1998 Fiscal Year Work Plan

HNF-SP-1232, Rev. 1

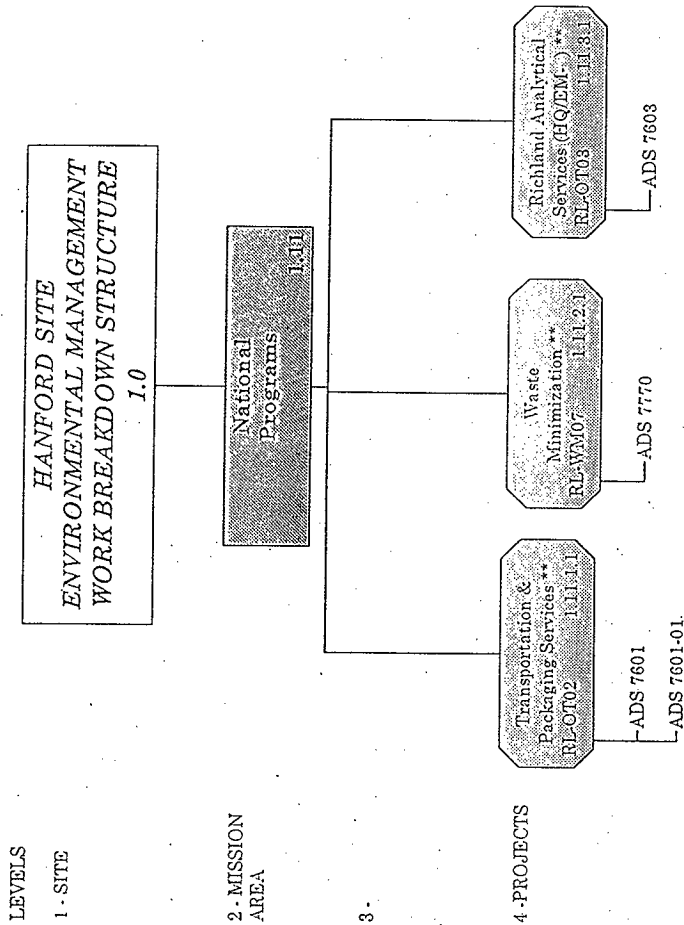
- ♦ The site-wide coordination/integration role is more extensive due to the increase in the number of separate contractors.
- ♦ Facility specific compliance activities will remain the responsibility of the individual generators.

POLLUTION PREVENTION/WASTE MINIMIZATION PROGRAM
WBS 1.11.2.1

FY 1998 Fiscal Year Work Plan

HNH-SP-1232, Rev. 1

1.3 WBS Hierachy



** PBSs Completed by HQ, Not Submitted by RL

POLLUTION PREVENTION/WASTE MINIMIZATION PROGRAM
WBS 1.11.2.1

FY 1998 Fiscal Year Work Plan

HNF-SP-1232, Rev. 1

2.1 MAJOR MILESTONE LIST

Pollution Prevention/Waste Minimization Milestone Control Log			
Milestone Type*	Control Number	Milestone Description	Milestone Completion Date
RL	YP2-98-001	HQ Quarterly Report	10/30/97
RL	YP2-98-002	Update P2 Goal Strategy & Ceilings for Prime Contractors	11/21/97
RL	YP2-98-001	HQ Quarterly Report.	1/30/98
RL	YP2-98-003	Prepare Annual Report on Waste Generation and Pollution Prevention Accomplishments	3/31/98
RL	YP2-98-001	HQ Quarterly Report	4/30/98
RL	YP2-98-001	HQ Quarterly Report	7/30/98
RL	YP2-98-006	Conduct Six (6) Sitewide Strategic P20A's	9/30/98
RL	YP2-98-007	Meet the Secretarial FY98 P2/WMin Goals	9/30/98

POLLUTION PREVENTION/WASTE MINIMIZATION PROGRAM
WBS 1.11.2.1

FY 1998 Fiscal Year Work Plan

HNF-SP-1232, Rev. 1

3. Milestone Description Sheets

Waste Management Federal Services of Hanford, Inc. MILESTONE DESCRIPTION SHEET #1				
Title: HQ QUARTERLY REPORT			Date: 8/11/97	
Assigned To: Waste Management Federal Services of Hanford, Inc.			CIN:	
Program WBS Designator: 1.11.2.1			Due Date: 7/30/98	
PBS No:				
Control Number: YP2-98-001		TPA No:		Rev:
MILESTONE LEVEL: <input type="checkbox"/> DOE-HQ <input checked="" type="checkbox"/> DOE-RL <input type="checkbox"/> DOE-FO <input type="checkbox"/> CONTRACTOR	MILESTONE TYPE: <input type="checkbox"/> EA <input type="checkbox"/> PEG <input checked="" type="checkbox"/> OTHER	DNFSB STATUS: N DNFSB (Y/N): <input type="checkbox"/> COMMIT #: <input type="checkbox"/> RECOMM #:	DELIVERABLE: <input type="checkbox"/> Report <input checked="" type="checkbox"/> Letter <input type="checkbox"/> Drawings <input type="checkbox"/> Other (specify)	ADDRESS TO: <input type="checkbox"/> DOE-HQ <input checked="" type="checkbox"/> DOE-RL <input type="checkbox"/> Other (specify)
Milestone Description: Prepare four quarterly reports in FY98 and transmit to RL by October 30, 1997 (fourth quarter FY97), January 30, 1998 (first quarter), April 30, 1998 (second quarter), and July 30, 1998 (third quarter) for formal transmittal to DOE-HQ.				
Description of what constitutes completion of this milestone: Submittal to RL of the four quarterly reports by the due dates shown above.				

POLLUTION PREVENTION/WASTE MINIMIZATION PROGRAM
WBS 1.11.2.1

FY 1998 Fiscal Year Work Plan

HNF-SP-1232, Rev. 1

Waste Management Federal Services of Hanford, Inc. MILESTONE DESCRIPTION SHEET #2				
Title: UPDATE P2 GOAL STRATEGY & CEILINGS FOR PRIME CONTRACTOR			Date: 8/11/97	
Assigned To: Waste Management Federal Services of Hanford, Inc.			CIN:	
Program WBS Designator: 1.11.2.1			Due Date: 11/21/97	
PBS No:				
Control Number: YP2-98-002		TPA No:		Rev:
MILESTONE LEVEL: <input type="checkbox"/> DOE-HQ <input checked="" type="checkbox"/> DOE-RL <input type="checkbox"/> DOE-FO <input type="checkbox"/> CONTRACTOR	MILESTONE TYPE: <input type="checkbox"/> EA <input type="checkbox"/> PEG <input checked="" type="checkbox"/> OTHER	DNFSB STATUS: N DNFSB (Y/N): <input type="checkbox"/> COMMIT #: <input type="checkbox"/> RECOMM #:	DELIVERABLE: <input type="checkbox"/> Report <input checked="" type="checkbox"/> Letter <input type="checkbox"/> Drawings <input type="checkbox"/> Other (specify)	ADDRESS TO: <input type="checkbox"/> DOE-HQ <input checked="" type="checkbox"/> DOE-RL <input type="checkbox"/> Other (specify)
Milestone Description: Update P2 Goal Strategy & Ceilings for FY98 by November 21, 1997.				
Description of what constitutes completion of this milestone: Letter to RL documents completion of milestone.				

POLLUTION PREVENTION/WASTE MINIMIZATION PROGRAM
WBS 1.11.2.1

FY 1998 Fiscal Year Work Plan

HNF-SP-1232, Rev. 1

Waste Management Federal Services of Hanford, Inc. MILESTONE DESCRIPTION SHEET #3				
Title: PREPARE ANNUAL REPORT ON WASTE GENERATION AND POLLUTION PREVENTION				Date: 8/11/97
Assigned To: Waste Management Federal Services of Hanford, Inc.				CIN:
Program WBS Designator: 1.11.2.1				Due Date: 3/31/98
PBS No:				
Control Number: YP2-98-03		TPA No:		Rev:
MILESTONE LEVEL: <input type="checkbox"/> DOE-HQ <input checked="" type="checkbox"/> DOE-RL <input type="checkbox"/> DOE-FO <input type="checkbox"/> CONTRACTOR	MILESTONE TYPE: <input type="checkbox"/> EA <input type="checkbox"/> PEG <input checked="" type="checkbox"/> OTHER	DNFSB STATUS: N DNFSB (Y/N): <input type="checkbox"/> COMMIT #: <input type="checkbox"/> RECOMM #:	DELIVERABLE: <input type="checkbox"/> Report <input checked="" type="checkbox"/> Letter <input type="checkbox"/> Drawings <input checked="" type="checkbox"/> Other Electronic file	ADDRESS TO: <input type="checkbox"/> DOE-HQ <input checked="" type="checkbox"/> DOE-RL <input type="checkbox"/> Other (specify)
Milestone Description: Prepare the Annual Report on Waste Generation and Pollution Prevention Progress and submit to RL at least 1 week in advance of the DOE-HQ's due date. The due date is expected to be March 31, 1998, but can vary and is dependent of HQs call letter and distribution of input software to the Operations Offices at least 30 days prior to due date.				
Description of what constitutes completion of this milestone: Electronic file and letter to RL documenting completion of milestone.				

POLLUTION PREVENTION/WASTE MINIMIZATION PROGRAM
WBS 1.11.2.1

FY 1998 Fiscal Year Work Plan

HNF-SP-1232, Rev. 1

Waste Management Federal Services of Hanford, Inc. MILESTONE DESCRIPTION SHEET #4				
Title: CONDUCT SIX SITEWIDE STRATEGIC P2OAs			Date: 8/11/97	
Assigned To: Waste Management Federal Services of Hanford, Inc.			CIN:	
Program WBS Designator: 1.11.2.1			Due Date: 9/30/98	
PBS No:				
Control Number: YP2-98-006		TPA No:		Rev:
MILESTONE LEVEL: <input type="checkbox"/> DOE-HQ <input checked="" type="checkbox"/> DOE-RL <input type="checkbox"/> DOE-FO <input type="checkbox"/> CONTRACTOR	MILESTONE TYPE: <input type="checkbox"/> EA <input type="checkbox"/> PEG <input checked="" type="checkbox"/> OTHER	DNFSB STATUS: N DNFSB (Y/N): <input type="checkbox"/> COMMIT #: <input type="checkbox"/> RECOMM #:	DELIVERABLE: <input type="checkbox"/> Report <input checked="" type="checkbox"/> Letter <input type="checkbox"/> Drawings <input type="checkbox"/> Other (specify)	ADDRESS TO: <input type="checkbox"/> DOE-HQ <input checked="" type="checkbox"/> DOE-RL <input type="checkbox"/> Other (specify)
Milestone Description: Conduct six P2OAs on the site by September 30, 1998.				
Description of what constitutes completion of this milestone: Provide a briefing and letter transmittal of completed P2OAs to RL by September 30, 1998.				

POLLUTION PREVENTION/WASTE MINIMIZATION PROGRAM
WBS 1.11.2.1

FY 1998 Fiscal Year Work Plan

HNF-SP-1232, Rev. 1

Waste Management Federal Services of Hanford, Inc. MILESTONE DESCRIPTION SHEET #5				
Title: MEET THE SECRETARIAL FY 1998 P2/WMIN GOALS			Date: 8/11/97	
Assigned To: Waste Management Federal Services of Hanford, Inc.			CIN:	
Program WBS Designator: 1.11.2.1			Due Date: 9/30/98	
PBS No:				
Control Number: YP2-98-007		TPA No:		Rev:
MILESTONE LEVEL: <input type="checkbox"/> DOE-HQ <input checked="" type="checkbox"/> DOE-RL <input type="checkbox"/> DOE-FO <input type="checkbox"/> CONTRACTOR	MILESTONE TYPE: <input type="checkbox"/> EA <input type="checkbox"/> PEG <input checked="" type="checkbox"/> OTHER	DNFSB STATUS: N DNFSB (Y/N): <input type="checkbox"/> COMMIT #: <input type="checkbox"/> RECOMM #:	DELIVERABLE: <input type="checkbox"/> Report <input checked="" type="checkbox"/> Letter <input type="checkbox"/> Drawings <input type="checkbox"/> Other (specify)	ADDRESS TO: <input type="checkbox"/> DOE-HQ <input checked="" type="checkbox"/> DOE-RL <input type="checkbox"/> Other (specify)
Milestone Description: Meet the Secretarial FY 1998 P2/WMin goals by September 30, 1998.				
Description of what constitutes completion of this milestone: Letter to RL documenting results and completion of milestone.				

3.0 Cost Baseline

POLLUTION PREVENTION/WASTE MINIMIZATION PROGRAM
WBS 1.11.2.1

FY 1998 Fiscal Year Work Plan

HNF-SP-1232, Rev. 1

3.1. Cost Baseline (BCWS) for Execution Year by Month by Fund Type

RL WBS #	PROGRAM TITLE	FUND TYPE	(\$000s)												
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUN	JUL.	AUG.	SEP.	TOTAL
1.11.2.1	P2/WMin	Expense	83.9	104.0	98.2	89.6	94.6	408.9	375.6	387.9	380.0	369.8	399.1	398.4	3200.0
		CENRTC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Line Item	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		GPP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Total BCWS/PMB (1)	83.9	104.0	98.2	89.6	94.6	408.9	375.6	387.9	380.0	369.8	399.1	398.4	3200.0
		Mgmt Reserve (2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Line Item Contingency (2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Expected Carryover (3)	112.0	79.4	85.8	585.3	94.7	90.7	75.3	69.4	569.5	50.9	81.4	47.7	1942.1
		Total	195.9	183.4	184.0	674.9	189.3	499.6	450.9	467.3	949.5	420.7	480.5	446.1	5142.1
		FY97 ROI													
1.11.2.1	P2/WMin	PROGRAM BCWS	83.9	104	98.2	89.6	94.6	409	376	398	380	370	399	398	3200
		PROGRAM TOTAL	196	183	184	675	189	500	451	467	950	421	481	446	5142.1
		FTE's P2/WMin (Site Only)	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4

(1) Budgeted Cost Of Work Scheduled (BCWS) Equals Performance Measurement Baseline (PMB).

(2) Management Reserve Held By RL And Line Item Contingency Held By RL

(3) Includes Expected Expense Carryover Request for completion of approved ROI Projects from FY 1997.