

# **2000 Annual Report on Waste Generation and Pollution Prevention Progress as Required by DOE Order 5400.1**

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

**Fluor Hanford**

P.O. Box 1000

Richland, Washington

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<b>H. Author/Requestor</b> David E. Clark (Print and Sign)		<b>Responsible Manager</b> L.T. Blackford (Print and Sign)	
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# **Standard Data Report**

## **2000 Annual Report on Waste Generation and Pollution Prevention Progress as required by DOE Order 5400.1**

Hanford Site

Operations Office: RL

Prepared for: DOE

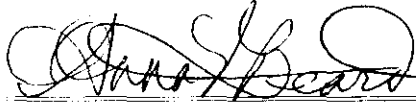
Prepared by: David E. Clark

11/30/00

## Standard Data Report

Hanford Site


Signature Page



A. V. Beard, Program Manager, Richland Operations Office, DOE-RL

12/1/00


Date



L.T. Blackford, Manager, Waste Services, Waste Management Project,  
Fluor Hanford

12/1/00

Date



P. Segall, P2/WMin Team Lead, Waste Services, Waste Management  
Project, Fluor Hanford

12/1/00

Date

# **Standard Data Report**

## **Hanford Site**

### **General Site Information**

#### **Site Information:**

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**Site Name:** Hanford Site

**Internet Email Address:** anna\_v\_beard@rl.gov

**Operations Office Name:** RL

**Lead PSO:** EM

#### **DOE Point of Contact Information:**

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**DOE Point of Contact:** Anna V. Beard

**DOE Phone #:** (509)376-7472

**DOE Fax #:** (509)376-4963

**DOE Employee address:** Address: Department of Energy, Richland Office P.O.  
Box 550, Richland, WA 99352

#### **Contractor Point of Contact Information:**

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**Contractor Point of Contact:** David E. Clark

**Contractor Phone #:** (509)373-1029

**Contractor Fax #:** (509)373-0743

**Contractor Address:** Contractor Address: Fluor Hanford P.O. Box 1000,  
Richland, WA 99352

# Standard Data Report

## Hanford Site

### Site-Wide Recycling Activities

Recycle Category	Quantity	
<b>Paper Products:</b>		
Office and Mixed Paper	385.93	mt
Corrugated cardboard	67.50	mt
Phone Books	16.84	mt
Newspapers/Magazines	26.41	mt
Aluminum Cans	0.00	mt
Glass	0.78	mt
Plastic	36.96	mt
Styrofoam	0.00	mt
<b>Scrap Metals:</b>		
Stainless steel	0.14	mt
Copper	0.00	mt
Iron	0.00	mt
Aluminum	11.36	mt
Lead	19.03	mt
Zinc	0.00	mt
Other: (see discussion below)	397.06	mt
<b>Precious metals:</b>		
Silver	0.00	mt
Gold	0.00	mt
Platinum	0.00	mt
Other: (see discussion below)	0.00	mt
Toner cartridges	13.89	mt
Batteries	10.94	mt
Engine oils	32.68	mt
Tires	17.85	mt
Food waste	0.00	mt
Concrete	0.00	mt
Wood (chips, compost)	244.21	mt
Other: (see discussion below)	186.53	mt

#### Explanation of "Other" recycling amounts:

Explanation for other amounts: The scrap metal "other" is non-ferrous metals consisting of stainless

steel, copper, brass, aluminum, zinc and tin. Additional sanitary waste recycling activities noted under "other" are discussed in the Hanford FY 20000 Accomplishments. These recycling activities include items such as software (1.32 mt), intact and crushed fluorescent tubes (5.92 mt), sand blaster (0.34 mt), an air compressor (0.76 mt), propylene glycol (2.25 mt), light ballasts (3.49 mt), fire extinguishers (1.32 mt), parts of 5 cranes (58 mt), Lab PPE (1.55 mt), chemicals and products (5.69 mt), excess furniture (36.72 mt), DOW X21 Resin (42.0 mt), a paint booth (1.00 mt), compressed gas tanks (5.34 mt) and other miscellaneous items (26.75 mt).

#### Sanitary Waste

Routine		Cleanup/Stabilization	
559.16	mt	372.39	mt



## Standard Data Report

### Hanford Site

#### Total Site Generation - Routine vs. Cleanup/Stabilization Waste

Waste Type	Routine Waste	Unit	Cleanup/Stabilization Waste	Unit	Total Waste	Unit
High Level Waste (Liquid)	0.00	m3	0.00	m3	0.00	m3
High Level Waste (Solid)	0.00	m3	0.00	m3	0.00	m3
Transuranic Waste (Liquid)	0.00	m3	0.00	m3	0.00	m3
Transuranic Waste (Solid)	0.00	m3	47.95	m3	47.95	m3
Mixed Transuranic Waste (Liquid)	0.00	m3	0.00	m3	0.00	m3
Mixed Transuranic Waste (Solid)	0.00	m3	40.94	m3	40.94	m3
Low Level Waste (Liquid)	0.00	m3	0.00	m3	0.00	m3
Low Level Waste (Solid)	104.33	m3	280,109.50	m3	280,213.80	m3
Mixed Low Level Waste (Liquid)	0.00	m3	0.00	m3	0.00	m3
Mixed Low Level Waste (Solid)	105.30	m3	301.62	m3	406.92	m3
RCRA Regulated	3.90	mt	34.06	mt	37.96	mt
State Regulated	1.78	mt	4.21	mt	5.99	mt
TSCA Regulated	0.00	mt	13.81	mt	13.81	mt
Mixed TSCA	0.00	mt	19.66	mt	19.66	mt

# Standard Data Report

## Hanford Site

### Site Waste Generation by PSO

PSO: EM

Waste Type	Routine Waste	Unit	Cleanup/Stabilization Waste	Unit	Total Waste	Unit
High Level Waste (Liquid)	0.00	m3	0.00	m3	0.00	m3
High Level Waste (Solid)	0.00	m3	0.00	m3	0.00	m3
Transuranic Waste (Liquid)	0.00	m3	0.00	m3	0.00	m3
Transuranic Waste (Solid)	0.00	m3	47.95	m3	47.95	m3
Mixed Transuranic Waste (Liquid)	0.00	m3	0.00	m3	0.00	m3
Mixed Transuranic Waste (Solid)	0.00	m3	40.94	m3	40.94	m3
Low Level Waste (Liquid)	0.00	m3	0.00	m3	0.00	m3
Low Level Waste (Solid)	104.33	m3	280,109.50	m3	280,213.80	m3
Mixed Low Level Waste (Liquid)	0.00	m3	0.00	m3	0.00	m3
Mixed Low Level Waste (Solid)	105.30	m3	301.62	m3	406.92	m3
RCRA Regulated	3.90	mt	34.06	mt	37.96	mt
State Regulated	1.78	mt	4.21	mt	5.99	mt
TSCA Regulated	0.00	mt	13.81	mt	13.81	mt
Mixed TSCA	0.00	mt	19.66	mt	19.66	mt

# Accomplishments Report

Please Note: Only Accomplishments designated as FINAL will appear on this report !

Displaying sites: Hanford Site for fiscal year 2000 for the Full Year

## Hanford Site

<b>P2 Activity</b>	<b>Waste Type</b>	<b>Routine or Cleanup/Stabilization</b>	<b>Ongoing Project or New Project</b>	<b>Ongoing Project Life (in years)</b>
Programmatic Activities	Programmatic Activities	Routine	New	1

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.00 m3	0.00 m3	0.00 m3	0.00 m3	0.00 m3

### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	0.00	0.00	0.00	0.00

**Accomplishment:** An evaluation was performed to identify areas of environmental restoration (ER) activities that could lead to a potential volume reduction in support of the ER Project Waste Minimization/Pollution Prevention goals. The areas identified for potential reduction were analyzed through a Value Engineering (VE) approach which resulted in the development of certain pollution prevention opportunities, tailored to the ER Project. The construction equipment, fly ash, asbestos, absorbent, PUREX filters, rail/chain link fence, and chrome-mixed soil waste streams were identified as the most viable for achieving waste minimization using the VE approach. Plans for implementation are being developed with DOE for achieving these opportunities.

## Hanford Site

<b>P2 Activity</b>	<b>Waste Type</b>	<b>Routine or Cleanup/Stabilization</b>	<b>Ongoing Project or New Project</b>	<b>Ongoing Project Life (in years)</b>
Programmatic Activities	Programmatic Activities	Cleanup/Stabilization	New	1

This accomplishment counts toward the DOE-wide reduction goal (i.e. 10%) for waste resulting from cleanup, stabilization, and decommissioning activities.

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.00 m3	0.00 m3	0.00 m3	0.00 m3	0.00 m3

### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	0.00	0.00	0.00	0.00

**Accomplishment:** An un-needed concrete crusher, attachment, and inventory of spare parts were transferred to the Mound Site in Ohio. The equipment will be used at several Department of Energy sites at the Ohio Field Office for crushing concrete demolition waste from their environmental restoration activities.

## Hanford Site

<b>P2 Activity</b>	<b>Waste Type</b>	<b>Routine or Cleanup/Stabilization</b>	<b>Ongoing Project or New Project</b>	<b>Ongoing Project Life (in years)</b>
Programmatic Activities	Programmatic Activities	Routine	New	1

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.00 m3	0.00 m3	0.00 m3	0.00 m3	0.00 m3

### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	0.00	0.00	0.00	0.00

**Accomplishment:** Fluor Hanford performed Pollution Prevention/Energy Efficiency (P2/E2) Training for Welch Foods, Inc., a fruit juice processing plant. The Kennewick plant processes approximately 6 million cases of frozen concentrate, juice, and spreads for distribution in the Western region. The Welch Foods, Inc. plant in Grandview, WA presses grapes (~100,000 tons/year) and apples (~40,000 tons/year) sending the concentrates to plants in Kennewick, WA, Northeast, PA, and Lawton, MI for further processing. The training was specific to the Welch Foods, Inc. Kennewick and Grandview plants. Over 140 operators, technicians, managers, engineers, and administrative personnel attended the training. Included in the training was: (1) An introduction to Pollution Prevention; (2) The Environmental Protection Hierarchy of Pollution Prevention; (3) Techniques & Examples; (4) An introduction to Energy Efficiency; (5) Barriers and Incentives to Pollution Prevention; and (6) Identification of Pollution Prevention/Energy Efficiency Solutions at Welch's. The success of the program was evaluated through the immense number of pollution prevention/energy efficiency opportunities identified in the training. Over 130 P2/E2 opportunities were put forth during the brainstorming session of the training. Many of the opportunities were simple to implement with little or no up front cost. All employees were required to attend the 1-1/2 hour training session (10 sessions). The last half hour was dedicated to a facilitated brainstorming session to generate options for pollution prevention.

## Hanford Site

<b>P2 Activity</b>	<b>Waste Type</b>	<b>Routine or Cleanup/Stabilization</b>	<b>Ongoing Project or New Project</b>	<b>Ongoing Project Life (in years)</b>
Programmatic Activities	Programmatic Activities	Routine	New	1

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.00 m3	0.00 m3	0.00 m3	0.00 m3	0.00 m3

### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	0.00	0.00	0.00	0.00

**Accomplishment:** National Pollution Prevention Week (September 18 - 24, 2000) was held in conjunction with the City of Richland and local businesses. Articles were published in the Hanford Reach covering the week's events and to provide awareness of Pollution Prevention as a way of life. Fluor Hanford wrote a Kid Zone page for the Tri-City Herald to educate children on Pollution Prevention. A press release was sent to the local media promoting the week's events and activities. Home Depot co-sponsored the week's events and provided displays of environmentally friendly products. Co-sponsored activities for a "Kid's Day" included a magic show performed by Keith Ramsey to teach children the importance of Pollution Prevention and a Kids' coloring contest on pollution prevention themes.

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Programmatic Activities	Programmatic Activities	Routine	New	1

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.00 m3	0.00 m3	0.00 m3	0.00 m3	0.00 m3

### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	0.00	0.00	0.00	0.00

**Accomplishment:** The Department of Energy, Fluor Hanford and the City of Kennewick partnered during Fiscal Year 2000 to provide pollution prevention opportunity assessments to local businesses. Two small businesses, a restaurant and endodontist, were assessed for potential waste reductions and energy savings. Opportunities from these assessments were evaluated by the local businesses for implementation. In addition to assessing the small businesses, the City of Kennewick Traffic Division was assessed for potential waste reducing activities. These included product substitution of traffic paints to non hazardous materials, recycling street sweepings and energy savings. The City of Kennewick is currently in a trial phase for testing the new traffic paints.

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Programmatic Activities	Programmatic Activities	Routine	New	1

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.00 m3	0.00 m3	0.00 m3	0.00 m3	0.00 m3

### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	0.00	0.00	0.00	0.00

**Accomplishment:** The Department of Energy, Fluor Hanford and the City of Kennewick provided lectures to students at the Washington State University. Students are enrolled in a Pollution Prevention course. The lectures focused on current community involvement and techniques employed in small business opportunity assessments for waste and energy savings. The students have been assigned to participate in either a small business assessment or an assessment of city waste streams with identification of viable reduction pathways.

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Programmatic Activities	Programmatic Activities	Routine	New	1

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.00 m3	0.00 m3	0.00 m3	0.00 m3	0.00 m3

### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	0.00	0.00	0.00	0.00

**Accomplishment:** The Department of Energy, Richland Operations Office earned two awards for their pollution prevention activities at the Hanford Site. The Department of Energy recognized Ms. Donna Merry for her contributions to Hanford's Pollution Prevention Program and its successes. Ms. Merry's efforts contributed significantly in making the Hanford a model facility in waste prevention and recycling. The Washington State Department of Ecology awarded the Department of Energy's Richland Operations Office the "Waste Prevention, Reduction, and Recycling Annual Best Federal Facility Award. This award recognizes the progressive Hanford Site Infrastructure Recycling Programs administered by the DynCorp Tri-Cities Services, Inc., in behalf of Fluor Hanford, Inc. for the Department of Energy.

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Programmatic Activities	Programmatic Activities	Routine	New	1

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.00 m3	0.00 m3	0.00 m3	0.00 m3	0.00 m3

### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	0.00	0.00	0.00	0.00

**Accomplishment:** The following site strategic Pollution Prevention Opportunity Assessments (PPOAs) were conducted during Fiscal Year 2000: "Liquid Effluents Solids Removal," investigated modification of the effluent processing facilities at Battelle Marine Sciences Laboratory; "Implementing Paperless Procedure Communication to Reduce Waste Generation," investigated the use of computer technology for laboratory procedure communication and control at 222S Laboratory; "Mop Water," investigated the reduction of waste mop water volumes resulting from machine shop housekeeping operations at the Hanford Site; "Agricultural Byproducts Research," investigated modifications in research equipment that result in reductions in waste generation at Pacific Northwest National Laboratory; "Long Length Equipment Removal RH TRU and MLLW Segregation," investigated alternative equipment handling procedures at Tank Farms; and "Soil and Vadose Characterization," investigated alternative soil characterization operational procedures to reduce waste generation. These PPOAs either had site-wide implications or were focused on reducing waste volumes for major generators. The opportunities identified as having a payback of four years or less have projected annual waste reductions of 113.7 cubic meters of Low-Level Waste, 18.7 cubic meters of Mixed Low-Level Waste, 0.35 cubic meters of Mixed Transuranic Waste, 3.3 metric tons of hazardous waste, and 820,512 gallons of Sanitary Waste Water. Total projected annual cost savings for these same opportunities are \$1,311,816.

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Programmatic Activities	Programmatic Activities	Routine	New	1

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.00 m3	0.00 m3	0.00 m3	0.00 m3	0.00 m3

### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	0.00	0.00	0.00	0.00

**Accomplishment:** The new Recovered Material Advisory Notice (RMAN)-III and Comprehensive Procurement Guidelines (CPG)-III requirements for Affirmative Procurement were incorporated into ERC's Design Engineering Procedure Manual and the ERC Project Procedure Manual. Affected procedures: BHI-DE-02, 4-49, 4-55, 4-56 and BHI-MA-02, 6.1.

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Recycle/Reuse HAZ		Routine	New	1

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.00 mt	0.01 mt	0.00 mt	0.00 mt	0.01 mt

**Savings**

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	110.00	0.00	0.00	110.00

**Accomplishment:** 170 gallons of Aerospray 70A were pumped into a Tanker and used as soil fixative in the Burial Grounds in 200 West Area.

## Hanford Site

<b>P2 Activity</b>	<b>Waste Type</b>	<b>Routine or Cleanup/Stabilization</b>	<b>Ongoing Project or New Project</b>	<b>Ongoing Project Life (in years)</b>
Recycle/Reuse HAZ		Routine	New	1

**Waste Reduction**

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.00 mt	0.00 mt	0.91 mt	0.00 mt	0.91 mt

**Savings**

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	0.00	19,838.00	0.00	19,838.00

**Accomplishment:** 20 auxiliary power batteries were redeployed from CH2M Hill Hanford Group, Inc. to on-site Radio Maintenance, thus avoiding disposal.

## Hanford Site

<b>P2 Activity</b>	<b>Waste Type</b>	<b>Routine or Cleanup/Stabilization</b>	<b>Ongoing Project or New Project</b>	<b>Ongoing Project Life (in years)</b>
Recycle/Reuse HAZ		Cleanup/Stabilization	New	1

This accomplishment counts toward the DOE-wide reduction goal (i.e. 10%) for waste resulting from cleanup, stabilization, and decommissioning activities.

**Waste Reduction**

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.00 mt	0.00 mt	24.00 mt	0.00 mt	24.00 mt

**Savings**

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	0.00	520,700.00	0.00	520,700.00

**Accomplishment:** 2329 cubic feet (66 cubic meters) of granulated activated carbon was sent off site and regenerated.



## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Recycle/Reuse HAZ		Cleanup/Stabilization	New	1

This accomplishment counts toward the DOE-wide reduction goal (i.e. 10%) for waste resulting from cleanup, stabilization, and decommissioning activities.

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.00 mt	0.00 mt	5.01 mt	0.00 mt	5.01 mt

### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	0.00	108,000.00	0.00	108,000.00

**Accomplishment:** 724 gallons of excess sulfuric acid from the 200 Area Effluent Treatment Facility was used as product at the 300 Area Treated Effluent Disposal Facility. Use of the sulfuric acid eliminated the need to dispose of the acid as a hazardous waste.

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Recycle/Reuse HAZ		Cleanup/Stabilization	New	1

This accomplishment counts toward the DOE-wide reduction goal (i.e. 10%) for waste resulting from cleanup, stabilization, and decommissioning activities.

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.00 mt	0.00 mt	0.00 mt	0.27 mt	0.27 mt

### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	0.00	0.00	5,886.00	5,886.00

**Accomplishment:** Anhydrous ammonia excessed to offsite company (Oxarc).

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Recycle/Reuse HAZ		Routine	New	1

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.00 mt	0.00 mt	0.01 mt	0.02 mt	0.03 mt

**Savings**

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	0.00	218.00	436.00	654.00

**Accomplishment:** Freon R-12 was recovered from Fleet vehicles and recycled.

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Recycle/Reuse HAZ		Cleanup/Stabilization	New	1

This accomplishment counts toward the DOE-wide reduction goal (i.e. 10%) for waste resulting from cleanup, stabilization, and decommissioning activities.

**Waste Reduction**

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.16 mt	0.16 mt	0.16 mt	0.00 mt	0.48 mt

**Savings**

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
173.00	173.00	173.00	0.00	519.00

**Accomplishment:** Hydrochlorofluorocarbon-134a (HFC-134a) and oil wastes are recycled rather than disposed of as hazardous waste.

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Recycle/Reuse HAZ		Cleanup/Stabilization	New	1

This accomplishment counts toward the DOE-wide reduction goal (i.e. 10%) for waste resulting from cleanup, stabilization, and decommissioning activities.

**Waste Reduction**

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.00 mt	0.00 mt	0.00 mt	0.67 mt	0.67 mt

**Savings**

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	0.00	0.00	14,606.00	14,606.00

**Accomplishment:** Kerosene was redeployed to the Port of Ephrata.

## Hanford Site

<b>P2 Activity</b>	<b>Waste Type</b>	<b>Routine or Cleanup/Stabilization</b>	<b>Ongoing Project or New Project</b>	<b>Ongoing Project Life (in years)</b>
Recycle/Reuse HAZ		Cleanup/Stabilization	New	1

This accomplishment counts toward the DOE-wide reduction goal (i.e. 10%) for waste resulting from cleanup, stabilization, and decommissioning activities.

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.05 mt	0.00 mt	0.00 mt	0.00 mt	0.05 mt

### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
1,090.00	0.00	0.00	0.00	1,090.00

**Accomplishment:** Laboratory standards and chemicals from the 3728 building were no longer needed and were re-distributed to other on site contractors (Waste Sampling and Characterization Facility and the Hammer Training Facility). A mixture of solid and liquid products made up this list of material transferred.

## Hanford Site

<b>P2 Activity</b>	<b>Waste Type</b>	<b>Routine or Cleanup/Stabilization</b>	<b>Ongoing Project or New Project</b>	<b>Ongoing Project Life (in years)</b>
Recycle/Reuse HAZ		Routine	New	1

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.40 mt	0.00 mt	0.00 mt	0.00 mt	0.40 mt

### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
8,655.00	0.00	0.00	0.00	8,655.00

**Accomplishment:** Liquid mercury and mercury switches shipped from the Centralized Consolidated Recycle Center to an offsite recycle vendor.

## Hanford Site

<b>P2 Activity</b>	<b>Waste Type</b>	<b>Routine or Cleanup/Stabilization</b>	<b>Ongoing Project or New Project</b>	<b>Ongoing Project Life (in years)</b>
Recycle/Reuse HAZ		Routine	New	1

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.34 mt	1.61 mt	2.71 mt	0.45 mt	5.10 mt

#### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
7,303.00	34,526.00	59,088.00	9,810.00	110,727.00

**Accomplishment:** Miscellaneous chemicals and maintenance products (some in aerosol containers) were redeployed through the Excess Chemical Program or directly transferred by the generating facility

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Recycle/Reuse HAZ		Cleanup/Stabilization	New	1

This accomplishment counts toward the DOE-wide reduction goal (i.e. 10%) for waste resulting from cleanup, stabilization, and decommissioning activities.

#### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.00 mt	0.00 mt	0.00 mt	0.18 mt	0.18 mt

#### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	0.00	0.00	3,924.00	3,924.00

**Accomplishment:** One (55) gallon drum of Aquafloc 460 was redeployed to Boise Cascade Paper Mill.

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Recycle/Reuse HAZ		Cleanup/Stabilization	New	1

This accomplishment counts toward the DOE-wide reduction goal (i.e. 10%) for waste resulting from cleanup, stabilization, and decommissioning activities.

#### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.00 mt	0.00 mt	0.00 mt	0.20 mt	0.20 mt

#### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	0.00	0.00	4,360.00	4,360.00

**Accomplishment:** Potassium Hydroxide was redeployed from Fire Systems Maintenance to the Plutonium Finishing Plant.

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Recycle/Reuse HAZ		Cleanup/Stabilization	New	1

This accomplishment counts toward the DOE-wide reduction goal (i.e. 10%) for waste resulting from cleanup, stabilization, and decommissioning activities.

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.00 mt	0.00 mt	1.45 mt	0.00 mt	1.45 mt

### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	0.00	31,600.00	0.00	31,600.00

**Accomplishment:** Sodium hydroxide generated from the deactivation of Sodium Legacy Program equipment deactivation was used at the 300 Area Treated Effluent Disposal facility as product.

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Recycle/Reuse HAZ		Routine	New	1

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.12 mt	0.06 mt	0.00 mt	0.00 mt	0.18 mt

### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
2,594.00	1,308.00	0.00	0.00	3,902.00

**Accomplishment:** Spent fixer sent offsite for silver recovery. This recycling activity belongs to COGEMA Engineering Corporation.

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Recycle/Reuse HAZ		Routine	New	1

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.00 mt	0.00 mt	0.06 mt	0.00 mt	0.06 mt

**Savings**

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	0.00	1,286.00	0.00	1,286.00

**Accomplishment:** The 222-S laboratory recycled 59 kilograms of Standards to Pacific Northwest National Laboratory.

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Recycle/Reuse HAZ		Cleanup/Stabilization	New	1

This accomplishment counts toward the DOE-wide reduction goal (i.e. 10%) for waste resulting from cleanup, stabilization, and decommissioning activities.

**Waste Reduction**

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
1.20 mt	0.00 mt	0.00 mt	0.00 mt	1.20 mt

**Savings**

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
13,719.00	0.00	0.00	0.00	13,719.00

**Accomplishment:** Transferred 215 gallons of Bartlett Polymeric Barrier System paint from the Plutonium Finishing Plant to Bechtel Hanford, Inc. The paint was identified as excess and was no longer needed.

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Recycle/Reuse HAZ		Routine	New	1

**Waste Reduction**

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.00 mt	2.51 mt	0.00 mt	0.00 mt	2.51 mt

**Savings**

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	54,718.00	0.00	0.00	54,718.00

**Accomplishment:** Universal waste batteries are shipped offsite for recycling.

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Recycle/Reuse HAZ		Cleanup/Stabilization	New	1

This accomplishment counts toward the DOE-wide reduction goal (i.e. 10%) for waste resulting from cleanup, stabilization, and decommissioning activities.

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.00 mt	0.00 mt	0.00 mt	0.01 mt	0.01 mt

### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	0.00	0.00	265.00	265.00

**Accomplishment:** Un-needed grease was transferred to another site contractor for use in general equipment lubrication.

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Recycle/Reuse HAZ		Cleanup/Stabilization	New	1

This accomplishment counts toward the DOE-wide reduction goal (i.e. 10%) for waste resulting from cleanup, stabilization, and decommissioning activities.

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.00 mt	0.00 mt	0.00 mt	0.08 mt	0.08 mt

### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	0.00	0.00	1,869.00	1,869.00

**Accomplishment:** Unused freon refrigerant was transferred to another site contractor for use.

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Recycle/Reuse HAZ		Routine	New	1

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.00 mt	0.17 mt	0.00 mt	0.00 mt	0.17 mt

#### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	3,684.00	0.00	0.00	3,684.00

**Accomplishment:** Used Freon 22 gases are consolidated into large cylinders and shipped back to vendor for reprocessing and certification to virgin status

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Recycle/Reuse LLW		Routine	New	1

#### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.03 m3	0.00 m3	0.00 m3	0.00 m3	0.03 m3

#### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
140.00	0.00	0.00	0.00	140.00

**Accomplishment:** 73 pounds of tritium powered Exit Signs were returned to manufacturer for recycle.

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Recycle/Reuse LLW		Cleanup/Stabilization	New	1

This accomplishment counts toward the DOE-wide reduction goal (i.e. 10%) for waste resulting from cleanup, stabilization, and decommissioning activities.

#### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.00 m3	0.00 m3	0.20 m3	0.00 m3	0.20 m3

#### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	0.00	5,000.00	0.00	5,000.00

**Accomplishment:** An un-needed Hydroprobe containing an Americum/Beryllium source used to measure soil moisture was transferred to Montana State University instead of disposing as a radioactive waste



## Hanford Site

<b>P2 Activity</b>	<b>Waste Type</b>	<b>Routine or Cleanup/Stabilization</b>	<b>Ongoing Project or New Project</b>	<b>Ongoing Project Life (in years)</b>
Recycle/Reuse LLW		Cleanup/Stabilization	New	1

This accomplishment counts toward the DOE-wide reduction goal (i.e. 10%) for waste resulting from cleanup, stabilization, and decommissioning activities.

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.00 m3	0.00 m3	21.00 m3	0.00 m3	21.00 m3

### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	0.00	0.00	0.00	0.00

**Accomplishment:** Approximately 1500 feet of excess railroad track in the 300 area was excessed and transferred to Gunderson Northwest through Fluor Hanford Economic Transition organization.

## Hanford Site

<b>P2 Activity</b>	<b>Waste Type</b>	<b>Routine or Cleanup/Stabilization</b>	<b>Ongoing Project or New Project</b>	<b>Ongoing Project Life (in years)</b>
Recycle/Reuse LLW		Cleanup/Stabilization	New	1

This accomplishment counts toward the DOE-wide reduction goal (i.e. 10%) for waste resulting from cleanup, stabilization, and decommissioning activities.

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.00 m3	209.00 m3	0.00 m3	0.00 m3	209.00 m3

### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	348,900.00	0.00	0.00	348,900.00

**Accomplishment:** Eleven hundred 85-gallon poly-(plastics) polyurethane overpacks were excessed and transferred to a state agency for use. Savings based on disposal cost avoidance as low level waste at the low level burial grounds.

## Hanford Site

<b>P2 Activity</b>	<b>Waste Type</b>	<b>Routine or Cleanup/Stabilization</b>	<b>Ongoing Project or New Project</b>	<b>Ongoing Project Life (in years)</b>
Recycle/Reuse LLW		Cleanup/Stabilization	New	1

This accomplishment counts toward the DOE-wide reduction goal (i.e. 10%) for waste resulting from

cleanup, stabilization, and decommissioning activities.

#### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.00 m3	0.00 m3	0.00 m3	191.70 m3	191.70 m3

#### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	0.00	0.00	52,861.00	52,861.00

**Accomplishment:** Melting contaminated steel for recycle and fabrication for the Department of Energy Shield Block Program. 56.7 cubic meters recovered from Burlington Northern flat car, and 135 cubic meter recovered from a fuel cask car.

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Recycle/Reuse LLW		Cleanup/Stabilization	New	1

This accomplishment counts toward the DOE-wide reduction goal (i.e. 10%) for waste resulting from cleanup, stabilization, and decommissioning activities.

#### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.00 m3	0.00 m3	0.00 m3	0.00 m3	0.00 m3

#### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	24,000.00	0.00	0.00	24,000.00

**Accomplishment:** Twenty three, 5 milliliter radioactive lab standards were transferred to another on-site contractor for use.

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Recycle/Reuse MLLW		Routine	New	1

#### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.00 m3	0.00 m3	0.00 m3	0.00 m3	0.00 m3

#### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	0.00	12.00	0.00	12.00

**Accomplishment:** The 222-S laboratory recycled Uranium Standards (1 kg) to Pacific Northwest National Laboratory.

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Recycle/Reuse SAN		Cleanup/Stabilization	New	1

This accomplishment counts toward the DOE-wide reduction goal (i.e. 10%) for waste resulting from cleanup, stabilization, and decommissioning activities.

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.00 mt	0.91 mt	0.00 mt	0.00 mt	0.91 mt

### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	755.00	0.00	0.00	755.00

**Accomplishment:** 13 doors, 18 light fixtures, 7 window panes sent to excess for reuse instead of disposing in landfill. The material was saved from the 600 Area Fire Station Demolition Project

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Recycle/Reuse SAN		Cleanup/Stabilization	New	1

This accomplishment counts toward the DOE-wide reduction goal (i.e. 10%) for waste resulting from cleanup, stabilization, and decommissioning activities.

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.01 mt	0.00 mt	0.00 mt	0.01 mt	0.02 mt

### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
83.00	0.00	0.00	5.00	88.00

**Accomplishment:** 1st Quarter: Twenty five tubes of Zeniplex grease were obtained from another on-site contractor. The grease was identified as an excess material and was reclaimed for use on Bechtel Hanford, Inc. projects. 4th Quarter: Un-needed grease was transferred to another site contractor for use in general equipment lubrication.

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Recycle/Reuse SAN		Cleanup/Stabilization	New	1

This accomplishment counts toward the DOE-wide reduction goal (i.e. 10%) for waste resulting from cleanup, stabilization, and decommissioning activities.

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.00 mt	0.34 mt	0.00 mt	0.00 mt	0.34 mt

### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	0.00	0.00	0.00	0.00

**Accomplishment:** A sandblaster and approximately 550 pounds of sand blast grit was excessed and transferred to another federal agency.

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Recycle/Reuse SAN		Cleanup/Stabilization	New	1

This accomplishment counts toward the DOE-wide reduction goal (i.e. 10%) for waste resulting from cleanup, stabilization, and decommissioning activities.

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.00 mt	0.00 mt	0.00 mt	0.76 mt	0.76 mt

### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	0.00	0.00	6,840.00	6,840.00

**Accomplishment:** An un-needed installed air compressor from the 183-N water plant plus 5 gallons of coolant (also sanitary waste) was transferred to the Hammer Training Center.

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Recycle/Reuse SAN		Cleanup/Stabilization	New	1

This accomplishment counts toward the DOE-wide reduction goal (i.e. 10%) for waste resulting from cleanup, stabilization, and decommissioning activities.

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.00 mt	1.00 mt	0.00 mt	0.00 mt	1.00 mt

### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	15,000.00	0.00	0.00	15,000.00

**Accomplishment:** An un-needed paint booth was transferred to another on-site contractor for use.

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Recycle/Reuse SAN		Cleanup/Stabilization	New	1

This accomplishment counts toward the DOE-wide reduction goal (i.e. 10%) for waste resulting from cleanup, stabilization, and decommissioning activities.

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.00 mt	0.00 mt	36.00 mt	6.00 mt	42.00 mt

### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	0.00	223,520.00	37,422.00	260,942.00

**Accomplishment:** Dow X21 resin was sent off site and regenerated

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Recycle/Reuse SAN		Cleanup/Stabilization	New	1

This accomplishment counts toward the DOE-wide reduction goal (i.e. 10%) for waste resulting from cleanup, stabilization, and decommissioning activities.

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.00 mt	0.00 mt	1.10 mt	0.00 mt	1.10 mt

### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	0.00	1,465.00	0.00	1,465.00

**Accomplishment:** Five new 5 gallon buckets and one 55 gallon drum (45 gallons remaining) of Chevron GST 68 turbine oil was redeployed to the 272W Machine shop operated by DynCorp. The oil came from the deactivation of 183N. Ten gallons of new an unused Chevron Hydraulic Oil AW ISO 10 was transferred to another Environmental Restoration Project rather than disposing as waste.

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Recycle/Reuse SAN		Cleanup/Stabilization	New	1

This accomplishment counts toward the DOE-wide reduction goal (i.e. 10%) for waste resulting from cleanup, stabilization, and decommissioning activities.

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
5.34 mt	0.00 mt	0.00 mt	0.00 mt	5.34 mt

### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
4,454.00	0.00	0.00	0.00	4,454.00

**Accomplishment:** Four compressed gas tanks measuring 24' diameter by 25' long were sent to an off site vendor for recycling.

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Recycle/Reuse SAN		Cleanup/Stabilization	New	1

This accomplishment counts toward the DOE-wide reduction goal (i.e. 10%) for waste resulting from cleanup, stabilization, and decommissioning activities.

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.00 mt	0.00 mt	33.63 mt	0.00 mt	33.63 mt

### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	0.00	27,980.00	0.00	27,980.00

**Accomplishment:** Materials from cleanup of a legacy waste site (the well drilling laydown yard) at the 200 East Area were sold at auction by Excess. Materials include: Bentonite clay 40,000 pounds A Diesel Engine 1,500 pounds Misc Well Drilling Equipment 25,000 pounds Aluminum Irrigation Pipe 4,000 pounds Pyrorock 650 pounds Chain Link Fencing 300 pounds Stainless Steel Cleaning Tanks 1,500 pounds Polyvinyl Chloride (PVC) Drain Pipe 200 pounds 55 gallon Drum Liners, PVC 1,000 pounds

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Recycle/Reuse SAN		Cleanup/Stabilization	New	1

This accomplishment counts toward the DOE-wide reduction goal (i.e. 10%) for waste resulting from cleanup, stabilization, and decommissioning activities.

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.00 mt	0.00 mt	5.69 mt	0.00 mt	5.69 mt

### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	0.00	4,589.00	0.00	4,589.00

**Accomplishment:** Miscellaneous chemicals and products from non-routine sources were recycled.

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Recycle/Reuse SAN		Cleanup/Stabilization	New	1

This accomplishment counts toward the DOE-wide reduction goal (i.e. 10%) for waste resulting from cleanup, stabilization, and decommissioning activities.

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.00 mt	1.00 mt	0.00 mt	0.00 mt	1.00 mt

### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	3,500.00	0.00	0.00	3,500.00

**Accomplishment:** One hundred forty eight bags of Upright Safety Sorbent was sent to the ground water project where the team identified a new use as packing material. Weight of each bag(15 pounds each). Savings based on cost avoidance to the City of Richland Land Fill at \$832./metric tons.

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Recycle/Reuse SAN		Routine	New	1

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.00 mt	0.00 mt	1.55 mt	0.00 mt	1.55 mt

#### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	0.00	1,300.00	0.00	1,300.00

**Accomplishment:** Recycled the following unused Lab Personal Protective Equipment to the As Low As Reasonably Achievable Center for their use: 26 Cases of XL white smocks; 25 Cases of Small Silver Shield Gloves; 20 Cases of XXL Durafab Yellow Comfort Gard150 Aprons; 13 Cases of Large Durafab Yellow Comfort Gard150 Aprons; 13 Cases of M Durafab Yellow Comfort Gard150 Aprons; 15 Cases of Yellow Shoe Covers.

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Recycle/Reuse SAN		Cleanup/Stabilization	New	1

This accomplishment counts toward the DOE-wide reduction goal (i.e. 10%) for waste resulting from cleanup, stabilization, and decommissioning activities.

#### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.00 mt	0.86 mt	0.46 mt	0.00 mt	1.32 mt

#### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	525.00	434.00	0.00	959.00

**Accomplishment:** Recycled to off site agencies obsolete computer software and magnetic data storage media no longer used.

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Recycle/Reuse SAN		Routine	New	1

#### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.04 mt	0.01 mt	0.00 mt	0.00 mt	0.06 mt

#### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
6.00	2.00	0.00	0.00	8.00

**Accomplishment:** Recycled viewgraphs through an offsite vendor.



## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Recycle/Reuse SAN		Cleanup/Stabilization	New	1

This accomplishment counts toward the DOE-wide reduction goal (i.e. 10%) for waste resulting from cleanup, stabilization, and decommissioning activities.

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.00 mt	0.00 mt	0.04 mt	0.00 mt	0.04 mt

### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	0.00	433.00	0.00	433.00

**Accomplishment:** Several cases of plotter supplies consisting of electrostatic plotter cleaner, clear dispersant, and ink cartridges were transferred to another on site contractor.

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Recycle/Reuse SAN		Routine	New	1

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
12.01 mt	0.00 mt	0.00 mt	4.83 mt	16.84 mt

### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
9,992.00	0.00	0.00	4,019.00	14,011.00

**Accomplishment:** Telephone books were recycled to US West and to Richland School District.

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Segregation	LLW	Cleanup/Stabilization	New	1

This accomplishment counts toward the DOE-wide reduction goal (i.e. 10%) for waste resulting from cleanup, stabilization, and decommissioning activities.

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.00 m3	0.00 m3	0.00 m3	57.30 m3	57.30 m3

#### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	0.00	0.00	671,845.00	671,845.00

**Accomplishment:** 200 Area Deactivation Project recovered 3 truck loads of wood scaffolding at PUREX that was destined for disposal. The scaffolding was surveyed and dispositioned for reuse.

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Segregation	LLW	Routine	New	1

#### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
815.00 m3	0.00 m3	0.00 m3	0.00 m3	815.00 m3

#### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
2,326,000.00	0.00	0.00	0.00	2,326,000.00

**Accomplishment:** 58 metric tons of sanitary and 815 cubic meters of low-level waste disposal was avoided by the decontamination followed by the free-release and sale of 5 cranes by the DynCorp Crane and Rigging organization.

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Segregation	LLW	Cleanup/Stabilization	New	1

#### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.00 m3	148,000.00 m3	0.00 m3	0.00 m3	148,000.00 m3

#### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	20,325,540.00	0.00	0.00	20,325,540.00

**Accomplishment:** A Return-on-Investment (ROI) funded small-diameter geophysical logging system (SDGLS) was developed in support of the U.S. Department of Energy's High Return on Investment Pollution Prevention Program. The SDGLS was designed to collect data on the distribution of subsurface gamma-emitting radionuclides in the vadose zone. The SDGLS was developed by merging the GEOPROBE 5400 TM with a spectral gamma logging system into a single operational unit. The SDGLS was used to map subsurface contamination in portions of the 126-F-1

Ash Pit. The data collected was used to show that no cleanup was required for 50% of the ash pit waste site. This resulted in a waste avoidance of 148,000 m<sup>3</sup>.

### Hanford Site

<b>P2 Activity</b>	<b>Waste Type</b>	<b>Routine or Cleanup/Stabilization</b>	<b>Ongoing Project or New Project</b>	<b>Ongoing Project Life (in years)</b>
Segregation	LLW	Cleanup/Stabilization	New	1

#### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.00 m <sup>3</sup>	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>	1,600.00 m <sup>3</sup>	1,600.00 m <sup>3</sup>

#### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	0.00	0.00	144,000.00	144,000.00

**Accomplishment:** Clean overburden (soil) from 116-H-7 plume was segregated during remediation and will not need to be shipped to the Environmental Restoration Disposal Facility. The clean overburden is planned to be used as backfill material.

### Hanford Site

<b>P2 Activity</b>	<b>Waste Type</b>	<b>Routine or Cleanup/Stabilization</b>	<b>Ongoing Project or New Project</b>	<b>Ongoing Project Life (in years)</b>
Segregation	LLW	Cleanup/Stabilization	New	1

This accomplishment counts toward the DOE-wide reduction goal (i.e. 10%) for waste resulting from cleanup, stabilization, and decommissioning activities.

#### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.00 m <sup>3</sup>	0.00 m <sup>3</sup>	0.00 m <sup>3</sup>	258.30 m <sup>3</sup>	258.30 m <sup>3</sup>

#### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	0.00	0.00	40,904.00	40,904.00

**Accomplishment:** Decontamination and unrestricted reuse and release of a portion of a Burlington Northern flatcar.

### Hanford Site

<b>P2 Activity</b>	<b>Waste Type</b>	<b>Routine or Cleanup/Stabilization</b>	<b>Ongoing Project or New Project</b>	<b>Ongoing Project Life (in years)</b>
Segregation	WW-HAZ	Routine	New	1

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.00 m3	0.68 m3	0.00 m3	0.00 m3	0.68 m3

### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	14,742.00	0.00	0.00	14,742.00

**Accomplishment:** Oil - Water Separation Implemented as an Return On Investment Project Typical feed stock is 93% water and 7% oil. Without separation oil-water stream would have to be disposed of as hazardous waste.

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Source Reduction	HAZ	Cleanup/Stabilization	New	1

This accomplishment counts toward the DOE-wide reduction goal (i.e. 10%) for waste resulting from cleanup, stabilization, and decommissioning activities.

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.00 mt	0.00 mt	0.00 mt	50.99 mt	50.99 mt

### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	0.00	0.00	1,191,228.00	1,191,228.00

**Accomplishment:** A new method of removing paint chips from disposed Navy Submarine Reactor compartments in the Low Level Burial Grounds was implemented. The original method used wash water to remove paint chips that are hazardous waste. This wet method was replaced by a dry grinding and chipping method thereby eliminating a waste water slurry that was considered hazardous.

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Source Reduction	HAZ	Routine	New	1

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.00 mt	1.41 mt	0.00 mt	0.00 mt	1.41 mt

### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	30,738.00	0.00	0.00	30,738.00

**Accomplishment:** As a result of a Pollution Prevention Opportunity Assessment, it was identified by switching to a synthetic coolant, Dascool 521, you could extend the useful life of coolant through good sump cleaning procedures.

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Source Reduction	HAZ	Routine	New	1

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.00 mt	0.00 mt	0.02 mt	0.00 mt	0.02 mt

### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	0.00	1,599.00	0.00	1,599.00

**Accomplishment:** Reproduction Services replaced a blue-line machine with a new electronic digital blackline version. The change will eliminate the use of anhydrous ammonia used to work the blue-line machine. It will also reduce the amount of ammonia contaminated water that is generated in the process.

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Source Reduction	HAZ	Cleanup/Stabilization	New	1

This accomplishment counts toward the DOE-wide reduction goal (i.e. 10%) for waste resulting from cleanup, stabilization, and decommissioning activities.

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.00 mt	0.00 mt	1,235.00 mt	0.00 mt	1,235.00 mt

### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	0.00	345,000.00	0.00	345,000.00

**Accomplishment:** Soil from Landfill 1D of the 300-FF-1 Operable Unit was originally listed as lead contaminated which required treatment before disposal in the ERDF. Due to a variance issued by EPA, the soil and debris (4,110 metric tons) could be disposed at the ERDF without treatment. This saved \$345,000 from not having to treat the soil, and kept 2,718,300 lbs. (819 cubic meters) of

cement out of the ERDF.

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Source Reduction	LLW	Routine	New	1

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.00 m3	0.01 m3	0.01 m3	0.01 m3	0.03 m3

### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	0.00	220.00	90.00	310.00

**Accomplishment:** Reduced the amounts of Low Level Routine Waste by changing methodology for performance of Ammonia analysis. Changed Ion Chromatograph from direct analysis. This was implemented as a Return On Investment project and will also reduce mixed low level waste and Liquid Waste streams.

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Source Reduction	LLW	Routine	New	1

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
35.80 m3	0.00 m3	0.00 m3	0.00 m3	35.80 m3

### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
157,982.00	0.00	0.00	0.00	157,982.00

**Accomplishment:** Surveyed, cleaned and down posted 1000 square feet at 152-ER and 36 square feet at 216-A-40 from a radiological controlled area to a radiological buffer area. Reduced waste from personal protective equipment and maintenance activities.

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Source Reduction	LLW	Cleanup/Stabilization	New	1

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.00 m3	0.00 m3	0.00 m3	128.00 m3	128.00 m3

### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	0.00	0.00	8,751,482.00	8,751,482.00

**Accomplishment:** This effort involved evaluating the Hanford waste sites in accordance with the waste site reclassification process described in the Tri-Party agreement Handbook, Management Procedure TPAS-MP-14, "Maintenance of the Waste Information Data System." The evaluation process resulted in 128 waste sites requiring no further remedial action.

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Source Reduction	MLLW	Routine	New	1

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.00 m3	4.73 m3	4.73 m3	4.73 m3	14.20 m3

### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	23,500.00	23,500.00	23,500.00	70,500.00

**Accomplishment:** Approximately 5000 gallons of runoff (rainwater and snowmelt) annually flood the 2706T building by accumulating along several exterior doors which eventually pass beneath the doors at grade level, and enter the building. Once entering the building and physical contact is made with the floor areas and collection pits, the runoff (which is otherwise clean water) must be treated as F-listed waste by association. In the past the runoff would have been collected for disposal as MLLW. The modification entailed raising the exterior doors several inches and placing concrete landings on the inside of the doors. By raising the doors and placing the respective concrete landings, the runoff is prevented from entering the building. This was a Return on Investment (ROI) funded project.

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Source Reduction	MLLW	Routine	New	1

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.00 m3	0.03 m3	0.02 m3	0.02 m3	0.07 m3

### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	25,993.00	316.00	380.00	26,689.00

**Accomplishment:** Reduced the waste generation by redeveloping analytical methods for ammonia.

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Source Reduction	MLLW	Cleanup/Stabilization	New	1

This accomplishment counts toward the DOE-wide reduction goal (i.e. 10%) for waste resulting from cleanup, stabilization, and decommissioning activities.

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.00 m3	0.00 m3	0.00 m3	18.00 m3	18.00 m3

### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	0.00	0.00	297,450.00	297,450.00

**Accomplishment:** The amount of acid and caustic added to dryer feed batches was reduced thus reducing the amount of secondary waste that is generated.

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Source Reduction	MLLW	Cleanup/Stabilization	New	1

This accomplishment counts toward the DOE-wide reduction goal (i.e. 10%) for waste resulting from cleanup, stabilization, and decommissioning activities.



### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.00 m3	0.00 m3	18.00 m3	0.00 m3	18.00 m3

### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	0.00	200,000.00	0.00	200,000.00

**Accomplishment:** The Vadose Zone Project effectively reduced the size of their guide hole for slant bore hole operations thus reducing the potential amount of soil that would have been containerized as waste. Ecology has further ruled that any other future soils derived from similar operations may be returned to the earth as fill material in the same location it was removed instead of being containerized as mixed-waste.

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Source Reduction	MLLW	Routine	New	1

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.10 m3	0.10 m3	0.00 m3	0.20 m3	0.40 m3

### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
700.00	300.00	0.00	300.00	1,300.00

**Accomplishment:** Waste Receiving and Processing (WRAP) Environmental Compliance periodically reviews maintenance and operations activities associated with the process area (Buffer Zone & Control Area (CA)) chemical use. As a result, WRAP has been successful at preventing facility mixed waste generation by providing acceptable work controls which allow for the free release of chemicals.

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Source Reduction	WW-LLW	Cleanup/Stabilization	New	1

This accomplishment counts toward the DOE-wide reduction goal (i.e. 10%) for waste resulting from cleanup, stabilization, and decommissioning activities.

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.00 m3	97.22 m3	39.03 m3	25.03 m3	161.28 m3

### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	2,568.00	1,037.00	661.00	4,266.00

**Accomplishment:** The 1300-N Emergency Dump Basin (EDB) is an outdoor liquid effluent storage basin that was originally designed to receive emergency cooling water from the N Reactor. The basin is approximately 40m (130ft) long by 24m (80ft) wide by 9m (30ft) deep at the center, and has a storage capacity of about 3.8 million L (1 million gal). The basin has a carbon-steel liner. During the deactivation of the EDB, a geomembrane liner was installed to isolate the contaminated surface of the basin from potential rain water that would eventually collect in the basin and become contaminated. Hanford rainfall records for the 4th quarter of FY 2000 are: July 0.46 inches, Aug. Trace , Sept. 0.56 inches.

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Source Reduction	WW-MLLW	Routine	New	1

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.00 m3	16.00 m3	16.00 m3	16.00 m3	48.00 m3

### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	75,000.00	75,000.00	75,000.00	225,000.00

**Accomplishment:** A Return On Investment (ROI) funded the isolation of 151-Diversion Box to prevent seepage of precipitation into the structure.

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Source Reduction	WW-MLLW	Routine	New	5

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.00 m3	55.89 m3	116.55 m3	17.19 m3	189.63 m3

### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	103,868.00	216,317.00	31,794.00	351,979.00

**Accomplishment:** Diversion of water from leachate collection system using a rain curtain to reduce the amount of MLLW leachate contamination (ROI)

## Hanford Site

<b>P2 Activity</b>	<b>Waste Type</b>	<b>Routine or Cleanup/Stabilization</b>	<b>Ongoing Project or New Project</b>	<b>Ongoing Project Life (in years)</b>
Recycle/Reuse HAZ		Routine	Ongoing	1

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
15.38 mt	0.00 mt	3.65 mt	0.00 mt	19.03 mt

### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
12,796.00	0.00	3,037.00	0.00	15,833.00

**Accomplishment:** Excess bulk lead (bricks, sheets, etc.) is collected and sent to an off-site recycler.

## Hanford Site

<b>P2 Activity</b>	<b>Waste Type</b>	<b>Routine or Cleanup/Stabilization</b>	<b>Ongoing Project or New Project</b>	<b>Ongoing Project Life (in years)</b>
Recycle/Reuse HAZ		Routine	Ongoing	1

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.48 mt	1.07 mt	0.00 mt	0.00 mt	1.55 mt

### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
10,442.00	23,326.00	0.00	0.00	33,768.00

**Accomplishment:** Incandescent, Sodium, Mercury bulbs are shipped to an off-site recycler.

## Hanford Site

<b>P2 Activity</b>	<b>Waste Type</b>	<b>Routine or Cleanup/Stabilization</b>	<b>Ongoing Project or New Project</b>	<b>Ongoing Project Life (in years)</b>
Recycle/Reuse HAZ		Routine	Ongoing	1

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.77 mt	2.38 mt	1.50 mt	2.87 mt	7.52 mt

### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
16,677.00	51,884.00	32,700.00	2,388.00	103,649.00

**Accomplishment:** Lead-acid batteries are recycled through a closed-loop contract or shipped offsite for recycling, and miscellaneous small batteries are shipped offsite for recycling.

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Recycle/Reuse HAZ		Routine	Ongoing	1

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
2.00 mt	5.87 mt	2.18 mt	4.94 mt	14.99 mt

### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
43,600.00	127,966.00	47,524.00	107,692.00	326,782.00

**Accomplishment:** Machine coolants are recycled within the Fabrication Services organization.

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Recycle/Reuse HAZ		Routine	Ongoing	1

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.32 mt	0.24 mt	0.22 mt	0.34 mt	1.12 mt

### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
6,911.00	5,232.00	4,796.00	7,412.00	24,351.00

**Accomplishment:** Shop towels are provided through a closed-loop contract that returns the towels to the vendor for laundering.

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Recycle/Reuse SAN		Routine	Ongoing	1

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
15.59 mt	21.58 mt	18.27 mt	12.06 mt	67.50 mt

### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
12,970.00	17,955.00	15,200.00	10,034.00	56,159.00

**Accomplishment:** Cardboard is collected sitewide for recycling by a vendor.

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Recycle/Reuse SAN		Routine	Ongoing	1

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.19 mt	0.22 mt	0.14 mt	0.22 mt	0.78 mt

### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
160.00	183.00	119.00	183.00	645.00

**Accomplishment:** Glass from Bechtel Hanford, Inc. and Project Hanford Management Contractors is recycled through an offsite vendor.

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Recycle/Reuse SAN		Routine	Ongoing	1

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.45 mt	0.00 mt	0.00 mt	0.87 mt	1.32 mt

### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
9,435.60	0.00	0.00	724.00	10,159.60

**Accomplishment:** Halon and General A, B, C fire extinguishers are shipped to the 1162 Building to be sent offsite for refurbishing (Maintenance and Testing) and returned to the site for reuse.

## Hanford Site

<b>P2 Activity</b>	<b>Waste Type</b>	<b>Routine or Cleanup/Stabilization</b>	<b>Ongoing Project or New Project</b>	<b>Ongoing Project Life (in years)</b>
Recycle/Reuse SAN		Routine	Ongoing	1

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
4.48 mt	1.44 mt	0.00 mt	0.00 mt	5.92 mt

### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
3,720.00	1,198.00	0.00	0.00	4,918.00

**Accomplishment:** Intact and crushed fluorescent tubes are shipped to an off-site recycler. Reported values include recycling efforts by Bechtel Hanford Incorporated, Project Hanford Management Contract, and Pacific Northwest National Laboratory.

## Hanford Site

<b>P2 Activity</b>	<b>Waste Type</b>	<b>Routine or Cleanup/Stabilization</b>	<b>Ongoing Project or New Project</b>	<b>Ongoing Project Life (in years)</b>
Recycle/Reuse SAN		Routine	Ongoing	1

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
131.69 mt	114.08 mt	133.14 mt	17.85 mt	396.76 mt

### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
109,567.00	94,918.00	110,776.00	14,851.00	330,112.00

**Accomplishment:** Metal Recycling (Ferrous, nonferrous, tin)

## Hanford Site

<b>P2 Activity</b>	<b>Waste Type</b>	<b>Routine or Cleanup/Stabilization</b>	<b>Ongoing Project or New Project</b>	<b>Ongoing Project Life (in years)</b>
Recycle/Reuse SAN		Routine	Ongoing	1

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
5.25 mt	4.27 mt	6.97 mt	9.92 mt	26.41 mt

### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
4,368.00	3,553.00	5,799.00	8,253.00	21,973.00

**Accomplishment:** Newsprint and Magazines are recycled through an offsite vendor.

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Recycle/Reuse SAN		Routine	Ongoing	1

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
2.82 mt	0.67 mt	0.00 mt	0.00 mt	3.49 mt

### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
2,340.00	557.00	0.00	0.00	2,897.00

**Accomplishment:** Non-polychlorinated biphenyl light ballasts are sent to a recycler for recovery of metals.

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Recycle/Reuse SAN		Routine	Ongoing	1

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
105.54 mt	97.99 mt	89.23 mt	93.17 mt	385.93 mt

### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
87,809.00	81,528.00	74,239.00	77,517.00	321,093.00

**Accomplishment:** Paper is sold to a local recycler.

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Recycle/Reuse SAN		Routine	Ongoing	1

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.21 mt	0.20 mt	0.18 mt	0.24 mt	0.83 mt

### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
175.00	164.00	151.00	198.00	688.00

**Accomplishment:** Plastics are recycled through an offsite vendor.

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Recycle/Reuse SAN		Routine	Ongoing	1

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
2.25 mt	0.00 mt	0.00 mt	0.00 mt	2.25 mt

### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
1,868.00	0.00	0.00	0.00	1,868.00

**Accomplishment:** Propylene Glycol is recycled and reused on the site. Propylene Glycol was sold at Public Auction during the first quarter of the fiscal year.

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Recycle/Reuse SAN		Routine	Ongoing	1

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
2.12 mt	2.49 mt	6.43 mt	6.81 mt	17.85 mt

### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
1,755.00	2,072.00	5,350.00	5,666.00	14,843.00

**Accomplishment:** Tires are sent offsite for retreading through a closed loop contract.



## Hanford Site

<b>P2 Activity</b>	<b>Waste Type</b>	<b>Routine or Cleanup/Stabilization</b>	<b>Ongoing Project or New Project</b>	<b>Ongoing Project Life (in years)</b>
Recycle/Reuse SAN		Routine	Ongoing	1

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
2.97 mt	2.72 mt	3.98 mt	2.79 mt	12.46 mt

### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
2,471.00	2,263.00	3,311.00	2,321.00	10,366.00

**Accomplishment:** Toner cartridges are sent to a local contractor for recycling.

## Hanford Site

<b>P2 Activity</b>	<b>Waste Type</b>	<b>Routine or Cleanup/Stabilization</b>	<b>Ongoing Project or New Project</b>	<b>Ongoing Project Life (in years)</b>
Recycle/Reuse SAN		Cleanup/Stabilization	Ongoing	1

This accomplishment counts toward the DOE-wide reduction goal (i.e. 10%) for waste resulting from cleanup, stabilization, and decommissioning activities.

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.45 mt	0.38 mt	0.30 mt	0.30 mt	1.43 mt

### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
12,259.00	10,288.00	8,445.00	10,000.00	40,992.00

**Accomplishment:** Toner cartridges returned to vendor for recycle.

## Hanford Site

<b>P2 Activity</b>	<b>Waste Type</b>	<b>Routine or Cleanup/Stabilization</b>	<b>Ongoing Project or New Project</b>	<b>Ongoing Project Life (in years)</b>
Recycle/Reuse SAN		Routine	Ongoing	1

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
2.34 mt	20.62 mt	7.30 mt	3.45 mt	33.71 mt

### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
1,946.00	17,156.00	6,074.00	2,870.00	28,046.00

**Accomplishment:** Unusable software is sent to a plastics recycler.

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Recycle/Reuse SAN		Routine	Ongoing	1

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
7.28 mt	19.21 mt	3.82 mt	6.41 mt	36.72 mt

### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
6,057.00	15,983.00	3,178.00	5,333.00	30,551.00

**Accomplishment:** Used furniture and appliances are sent to a recycler.

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Recycle/Reuse SAN		Routine	Ongoing	1

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
12.15 mt	7.08 mt	6.15 mt	6.20 mt	31.58 mt

### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
10,109.00	5,891.00	5,117.00	5,158.00	26,275.00

**Accomplishment:** Used oil is returned to a vendor for re-refining through a closed loop contract.

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Recycle/Reuse SAN		Routine	Ongoing	1

### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
55.96 mt	90.09 mt	47.05 mt	51.11 mt	244.21 mt

#### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
46,559.00	74,955.00	39,146.00	42,524.00	203,184.00

**Accomplishment:** Wood is sent to a local landfill or to Cascade Pallet Inc. where it is chipped and used for landscaping and other purposes. Wood pallets from 200E, 400 and 1100 Area DynCorp Materials Management Warehouse are sent to Cascade Pallet Inc to be rebuilt.

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Source Reduction	LLW	Cleanup/Stabilization	Ongoing	1

This accomplishment counts toward the DOE-wide reduction goal (i.e. 10%) for waste resulting from cleanup, stabilization, and decommissioning activities.

#### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
1,300.00 m3	1,300.00 m3	1,300.00 m3	1,300.00 m3	5,200.00 m3

#### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
807,160.00	664,606.00	664,606.00	664,606.00	2,800,978.00

**Accomplishment:** The herbicide spraying program for tumbleweeds on the Hanford Site encompasses 1350 acres of land identified as "Underground Radioactive Material". Spraying has proven to be the most cost effective and efficient means in controlling the spread of radioactively contaminated weeds. The other preferred option is to remove the weeds using hand labor.

## Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Source Reduction	WW-MLLW	Cleanup/Stabilization	Ongoing	1

This accomplishment counts toward the DOE-wide reduction goal (i.e. 10%) for waste resulting from cleanup, stabilization, and decommissioning activities.

#### Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
296.60 m3	0.00 m3	0.00 m3	152.00 m3	448.60 m3

#### Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
7,841.00	0.00	0.00	4,016.00	11,857.00

**Accomplishment:** On March 25, 1999 the Environmental Protection Agency signed an amendment to the Environmental Restoration Disposal Facility Record of Decision, making the Environmental Restoration Disposal Facility leachate non-hazardous. The previously mixed low level leachate collected from Environmental Restoration Disposal Facility was recycled and used as dust suppression.

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