1999 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

RECORD COPY

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P. Segall
Fluor Hanford

Date Published
March 2000

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Standard Data Report

Hanford Site

Signature Page

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

2/28/00

Date

J. B. Buckley, Manager, Waste Services, Waste Mangement Project,
Fluor Hanford

2/25/00

Date

Standard Data Report

**1999 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: Peter Segall

2/29/00

Standard Data Report

Hanford Site

General Site Information

Site Information:

Site Name: Hanford Site
Internet Email Address: anna_v_beard@rl.gov
Operations Office Name: RL
Lead PSO: EM

DOE Point of Contact Information:

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:

Contractor Point of Contact: Peter Segall
Contractor Phone #: (509)372-0469
Contractor Fax #: (509)373-0743

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

Standard Data Report

Hanford Site

General Site Information

Hanford's missions are to safely clean-up and manage the site's legacy wastes, and to develop and deploy science and technology. Through these missions Hanford will contribute to economic diversification of the region.

Hanford's environmental management or clean-up mission is to protect the health and safety of the public, workers, and the environment; control hazardous materials; and utilize the assets (people, infrastructure, and site) for other missions. Hanford's science and technology mission is to develop and deploy science and technology in the service of the nation including stewardship of the Hanford Site. Pollution Prevention is a key to the success of these missions by reducing the amount of waste to be managed and identifying/implementing cost effective waste reduction projects.

Hanford's original mission, the production of nuclear materials for the nation's defense programs, lasted more than 40 years, and like most manufacturing operations, Hanford's operations generated large quantities of waste and pollution. However, the by-products from Hanford operations pose unique problems like radiation hazards, vast volumes of contaminated water and soil, and many contaminated structures including reactors, chemical plants and evaporation ponds.

The clean-up activity is an immense and challenging undertaking. Including characterization and decommissioning of 149 single shell storage tanks, treating 28 double shell tanks, safely disposing of over 2,100 metric tons of spent nuclear fuel stored on site, removing numerous structures, and dealing with significant solid waste, ground water, and land restoration issues.

Standard Data Report

Hanford Site

Site-Wide Recycling Activities

Recycle Category	Quantity	
Paper Products:		
Office and Mixed Paper	394.35	mt
Corrugated cardboard	51.27	mt
Phone Books	12.01	mt
Newspapers/Magazines	18.42	mt
Aluminum Cans	0.00	mt
Glass	1.10	mt
Plastic	0.79	mt
Styrofoam	0.00	mt
Scrap Metals:		
Stainless steel	0.00	mt
Copper	0.00	mt
Iron	499.51	mt
Aluminum	0.00	mt
Lead	29.90	mt
Zinc	0.00	mt
Other: (see discussion below)	70.32	mt
Precious metals:		
Silver	0.00	mt
Gold	0.00	mt
Platinum	0.00	mt
Other: (see discussion below)	0.00	mt
Toner cartridges	13.18	mt
Batteries	39.69	mt
Engine oils	34.04	mt
Tires	11.70	mt
Food waste	0.00	mt
Concrete	0.00	mt
Wood (chips, compost)	131.90	mt
Other: (see discussion below)	163.87	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 CY 1999 Accomplishments. These recycling activities include items such as software (14.74 mt), concrete crusher (77.00 mt), propylene glycol (4.35 mt), excess furniture (33.04 mt), intact and crushed fluorescent tubes (10.20 mt), non-PCB light ballasts (4.36 mt), DOW 21 Resin (5.00 mt), antifreeze (5.10 mt), compressed gas tanks (5.40 mt), and other miscellaneous items (5.38 mt).

Sanitary Waste

Routine		Cleanup/Stabilization	
760.79	mt	390.52	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	11.99	m3	11.99	m3
Mixed Transuranic Waste (Liquid)	0.00	m3	0.00	m3	0.00	m3
Mixed Transuranic Waste (Solid)	0.00	m3	20.47	m3	20.47	m3
Low Level Waste (Liquid)	0.00	m3	0.00	m3	0.00	m3
Low Level Waste (Solid)	370.61	m3	289,345.00	m3	289,715.60	m3
Mixed Low Level Waste (Liquid)	0.00	m3	0.00	m3	0.00	m3
Mixed Low Level Waste (Solid)	96.77	m3	363.44	m3	460.21	m3
RCRA Regulated	4.88	mt	94.73	mt	99.61	mt
State Regulated	0.67	mt	13.02	mt	13.69	mt
TSCA Regulated	0.00	mt	11.06	mt	11.06	mt
Mixed TSCA	0.00	mt	4.67	mt	4.67	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	11.99	m3	11.99	m3
Mixed Transuranic Waste (Liquid)	0.00	m3	0.00	m3	0.00	m3
Mixed Transuranic Waste (Solid)	0.00	m3	20.47	m3	20.47	m3
Low Level Waste (Liquid)	0.00	m3	0.00	m3	0.00	m3
Low Level Waste (Solid)	370.61	m3	289,345.00	m3	289,715.60	m3
Mixed Low Level Waste (Liquid)	0.00	m3	0.00	m3	0.00	m3
Mixed Low Level Waste (Solid)	96.77	m3	363.44	m3	460.21	m3
RCRA Regulated	4.88	mt	94.73	mt	99.61	mt
State Regulated	0.67	mt	13.02	mt	13.69	mt
TSCA Regulated	0.00	mt	11.06	mt	11.06	mt
Mixed TSCA	0.00	mt	4.67	mt	4.67	mt

Accomplishments Report

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

Displaying sites: Hanford Site for calendar year 1999 for the Full 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	New	0

Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.00 mt	0.00 mt	0.99 mt	0.00 mt	0.99 mt

Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	0.00	131.00	0.00	131.00

Accomplishment: Miscellaneous maintenance products that were redeployed through the Excess Chemical Program

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: Affirmative Procurement Training was developed for all buyers and Credit Card holders at Hanford. The training included discussion on (1) Definitions; (2) Application to Contractors; (3) Exclusions; (4) Regulations/Procedures; (5) Goals and Goal Progress; (6) Myths; (7)

Case Studies; and (8) Resources. The training was delivered to over 100 buyers and 300 Credit Card holders. The training is ongoing as new Credit Card holders are assigned credit cards. At the request of Headquarters, the training was reformatted for other Department of Energy Sites to utilize.

Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Programmatic Activities	Programmatic Activities	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	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 activities that could lead to a potential volume reduction in support of the Environmental Restoration Project Waste Minimization/Pollution Prevention goals. The areas identified for potential reduction were analyzed through a Value Engineering approach which resulted in the development of certain pollution prevention opportunities, tailored to the Environmental Restoration Project. Construction equipment, concrete, structural steel, and soil waste streams were identified as the most viable for achieving waste minimization using the Value Engineering approach. Plans for implementation are being developed with 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	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. Basis: 77 metric tons replacement value \$748,108

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: As part of its Outreach activities, to promote public awareness in pollution prevention and waste minimization, the Waste Management Federal Services of Hanford, Inc. Pollution Prevention Group participates in the City of Richland's annual Earth Day celebration as well as the Hanford Site's annual Safety Exposition. Both events are held in the Spring. A Pollution Prevention Information Booth was maintained that offered a "Wheel of Pollution Prevention" game with prizes for the "correct" answer. The pollution prevention booth was quite popular with over 500 "players" estimated at the Earth Day event that had an estimated attendance of 6,000. Over 200 "players" were estimated at the Safety Exposition.

Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Programmatic Activities	Programmatic Activities	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	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: At the request of Department of Energy Headquarters, Bechtel Hanford, Inc. supported a Pollution Prevention Program Assessment of the environmental restoration project at Rocky Flats Environmental Technology Site. The purpose of this review was two-fold 1) to support Department of Energy Headquarters during its annual review of Rocky Flats Environmental Technology Site Pollution Prevention Program and 2) to participate in a small waste minimization/cost savings pilot project assessment for three identified areas. The three areas studied were: removal and disposition of equipment in the Building 444, removal and disposition of depleted uranium stored in Building 444, and stabilization/recovery of transuranic and low level contaminated waste oils.

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: 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

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: Hanford's Pollution Prevention Small Business Program completed it's third successful year. Waste Management Hanford, worked with 10 small businesses in the cities of Kennewick and Richland. Among the industries were: food processing, concrete/asphalt manufacturing, hotel, golf course, apartment, floral, printing, and autobody. Of the 15 pollution prevention opportunities evaluated, 11 of the opportunities will be either implemented, or further evaluated by the business owner. Of the 15 pollution prevention opportunities evaluated for the City of Richland, 7 opportunities had a payback of less than 3 years. Total projected annual cost savings are \$118,724.

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: Major Hanford Site facilities, including K Basins, Tank Waste Remediation Systems, and Plutonium Finishing Plant, have incorporated the use of the Automated Job Hazard Analysis program. The program is a computerized pre-package review program. All hazards and anticipated waste are identified in advance, including Waste Minimization flags wherever possible. The program's application is designed to help work planners identify the possible hazards involved in a job task and also to implement the proper controls based on the hazards identified. This is accomplished by presenting the user with a panel of questions, which lead to controls based on the user's responses. The program also provides the planner with a method of indicating participation of a Subject Matter Expert, by electronic signoffs. Waste/Min techniques are accomplished by indicating Waste Minimization controls for chemicals and/or waste being generated on the job through the Automated Job Hazard Analysis process.

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: National Pollution Prevention Week (September 20 - 26, 1999) was held in conjunction with the City of Richland and local schools and businesses. An article was published in the Hanford Reach covering the week's events. 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. A "Kid's Day" and a coloring contest for the kids were also co-sponsored. Household Hazardous Waste Collection was conducted by the City of Richland, and the public was invited to tour their local wastewater treatment plants.

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 of the highest awards for their leadership in pollution prevention activities at the Hanford Site. The Department of Energy has recognized Hanford's comprehensive public outreach program on pollution prevention as one of the best in the Department of Energy complex. This program sponsored several activities which informed people about pollution prevention and the impact of pollution on the environment. In addition, Department of Energy, Richland Operations Office was awarded a "White House Closing the Circle Award" for their efforts in developing a first of it's kind strategy to insure purchasing of products composed of recovered materials at the Hanford Site. The award recognizes efforts that set the example for other federal agencies and facilities to make significant contributions to a sustainable environment and reduce significant impacts on the environment.

Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Programmatic Activities	Programmatic Activities	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	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 Environmental Restoration Contractor has incorporated site-specific waste management instructions in project documents. These documents provide guidance for the

management of waste generated from the clean-out and demolition of the 105-F and DR Reactor Facilities. Also included are the identification of waste minimization opportunities and direction that the project perform recommended waste reducing techniques in order to reduce the amount of waste generated.

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 Calendar Year 1999: "Tank Waste Remediation Systems Diversion Pits MLLW/LLW", investigated the use of less waste intensive ventilation technology; "Waste Sampling and Characterization Facility (WSCF) MLLW/LLW Generation", examined various aspects of WSCF's sample acceptance and analytical procedures; "Fluorescent Light Ballast Containing Polychlorinated Biphenyls", investigated alternative lighting; "Analytical Waste Generation at 222S Laboratory", investigated less waste-intensive analytical technologies and techniques; "Alternative Machine Coolants", investigated the use of non-regulated coolants as well as air cooled machining technology; and "Tank Farms Operations and Maintenance Activities", investigated wood and plastic uses at Tank Farms. These PPOAs either had sitewide implications or were focused on reducing waste volumes for major generators. The opportunities identified as having a payback of three years or less have projected annual waste reductions of 9.6 cubic meters of Low-Level Waste, 2.7 cubic meters of Mixed Low-Level Waste, and 1.3 metric tons of hazardous waste. Total projected annual cost savings for these same opportunities are \$199,000.

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 Waste Management Federal Services of Hanford, Inc. Pollution Prevention Group and Department of Energy - Richland Operations Office (DOE-RL) assisted Oak Ridge National Laboratory in generating a report entitled, "Assessment of Cost Savings of DOE's Return-on-Investment Program", for Department of Energy Headquarters. The report focused on Oak Ridge National Laboratory's and Hanford Site's Return On Investment programs. Technical assistance was provided through a series of review and comment periods and interviews with project managers.

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: Two FT Crowe Bridge Cranes (one 3 ton capacity and one 10 ton capacity) were removed from the 308 Building, and transferred to Tri-City Industrial Development Council (TRIDEC) for use in attracting new businesses to the local Tri-City area. Transfer was conducted through Economic Transition organization at Fluor Daniel Hanford Co.

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: U.S. Department of Energy, Richland Operations Office (DOE-RL), with author, Waste Management Federal Services of Hanford, Inc. prepared and issued the Affirmative Procurement Strategy for the Hanford Site. This formal DOE-RL document includes complex- and site-wide practices, and analysis of Hanford's programs, and recommendations for meeting the 100-percent goals. The strategy was posted on Hanford's internal webpage as well.

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
1.10 mt	0.00 mt	0.00 mt	0.00 mt	1.10 mt

Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
12,870.00	0.00	0.00	0.00	12,870.00

Accomplishment: 105-C recycled and N-Deactivation recycled used oil to an off site recycler.

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	0.05 mt	0.05 mt

Savings

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

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	0.00 mt	0.40 mt	0.40 mt

Savings

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

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

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	0.01 mt	0.00 mt	0.01 mt

Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	0.00	117.00	0.00	117.00

Accomplishment: Lubricants from the 105-F Reactor Building were redistributed on-site for use by the "Mobile Mechanic".

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	0.99 mt	0.34 mt	1.33 mt

Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	0.00	11,583.00	7,303.00	18,886.00

Accomplishment: Miscellaneous maintenance products that were redeployed through the Excess Chemical Program

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
0.30 mt	0.00 mt	0.00 mt	0.00 mt	0.30 mt

Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
6,516.00	0.00	0.00	0.00	6,516.00

Accomplishment: Nine air conditioners and heat pumps were removed from service at the 1706-N facilities and sent to the warehouse for future reuse rather than being sent for disposal.

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	0.16 mt	0.16 mt

Savings

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

Accomplishment: Since the Chlorofluorocarbon-12 (CFC-12) refrigerant was removed from the chillers at the site, several maintenance evaluations, produce Hydrochlorofluorocarbon-134a (HFC-134a) and oil wastes. (approximately 50 Gallons). This refrigerant/oil mixture was 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		Routine	New	1

Waste Reduction

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

Savings

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

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		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	1.20 mt	1.20 mt

Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	0.00	0.00	13,719.00	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. Savings based on paint weighing 12 pounds per gallon and a cost avoidance of \$13,719 for purchasing the same new paint.

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	13.70 mt	0.00 mt	13.70 mt

Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	0.00	160,000.00	0.00	160,000.00

Accomplishment: Two carbon steel underground tanks were removed from the 300 Area. The diesel/water mixture resulting from cleaning the tanks was shipped to a recycler for recovery.

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
0.00 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	390.00	0.00	390.00

Accomplishment: 430 smoke detectors were returned to the vendor (Siemens Corp) to be recycled. Savings are based on cost for disposal as low level waste.

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
0.00 m3	0.00 m3	0.00 m3	0.03 m3	0.03 m3

Savings

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

Accomplishment: 73 pounds of tritium powered Exit Signs were returned to manufacturer for recycle. Savings are based on cost for disposal as low level waste.

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	0.05 m3	0.00 m3	0.05 m3

Savings

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

Accomplishment: The 222-S Facility Operations group had 13 gallons of a stripcoat which the facility no longer needed. The chemical was excessed to the As Low As Reasonably Achievable (ALARA) Center for redistribution throughout the Hanford Site.

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	1.20 m3	0.00 m3	1.20 m3

Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	0.00	9,000.00	0.00	9,000.00

Accomplishment: Two Z930 High-efficiency Particulate Air (HEPA) filter vacuums were excessed to the Hanford As Low as Reasonably Achievable (ALARA) Center. These vacuums are used for packaging large drums with waste.

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	0.20 mt	0.00 mt	0.00 mt	0.20 mt

Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	330.00	0.00	0.00	330.00

Accomplishment: 10 Empty 30 gallon drums used to ship waste water to Liquid Effluent Facility for treatment are returned for reuse rather than sent for disposal

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
5.10 mt	0.00 mt	0.00 mt	0.00 mt	5.10 mt

Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
7,250.00	0.00	0.00	0.00	7,250.00

Accomplishment: 27 drums of antifreeze were shipped to Fire Systems Maintenance for reuse.

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
0.20 mt	0.00 mt	0.00 mt	0.00 mt	0.20 mt

Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
126.00	0.00	0.00	0.00	126.00

Accomplishment: A large nylon reinforced plastic curtain draped in front of the front face of 105-DR reactor to act as a heat deflector, was removed during decontamination and decommissioning activities. After a careful radiological survey, a portion was cut out and used as a safety banner which now hangs at the entrance to the project. The banner reads "Safety, because....". The remainder was used as a tarp to cover material.

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	0.14 mt	0.00 mt	0.14 mt

Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	0.00	185.00	0.00	185.00

Accomplishment: Floor cleaner that was previously declared as excess was utilized at different Environmental Restoration Contractor project sites.

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	0.30 mt	0.00 mt	0.00 mt	0.30 mt

Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	243.00	0.00	0.00	243.00

Accomplishment: Forty eight bags of Upright Safety Sorbent was sent off site to the Port of Ephrata (Federal Screener)

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	5.34 mt	5.34 mt

Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	0.00	0.00	4,454.00	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
1.70 mt	0.00 mt	0.00 mt	0.00 mt	1.70 mt

Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
124.00	0.00	0.00	0.00	124.00

Accomplishment: Granular activated carbon was sent to offsite vendor for recycle.

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	0.01 mt	0.00 mt	0.01 mt

Savings

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

Accomplishment: Graphic supplies that were previously declared as excess were utilized on site with other site contractors.

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
9.00 mt	1.70 mt	0.00 mt	0.00 mt	10.70 mt

Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
1,788.00	424.00	0.00	0.00	2,212.00

Accomplishment: Pallets and scrap wood were sent to an offsite contractor for recycle.

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
0.05 mt	0.00 mt	0.00 mt	0.04 mt	0.09 mt

Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
7.00	0.00	0.00	6.00	13.00

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
0.43 mt	0.00 mt	0.00 mt	0.00 mt	0.43 mt

Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
150.00	0.00	0.00	0.00	150.00

Accomplishment: Sent propylene glycol to the Hammer Training Facility 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		Routine	New	1

Waste Reduction

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

Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	0.00	0.00	9,992.00	9,992.00

Accomplishment: Telephone books were recycled: 2.99 metric tons of US West given to Basin Recycling and 9.02 metric tons of GTE given to Richland School District

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	0.01 mt	0.01 mt

Savings

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

Accomplishment: 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.

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	21.77 mt	0.00 mt	21.77 mt

Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	0.00	2,880.00	0.00	2,880.00

Accomplishment: Two 16,000 gallon, carbon steel underground storage tanks were removed from the 300 Area and sent to Environmental Oil Co. to be recycled as scrap metal.

Hanford Site

P2 Activity	Waste Type	Routine or Cleanup/Stabilization	Ongoing Project or New Project	Ongoing Project Life (in years)
Recycle/Reuse 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
0.20 m3	0.00 m3	0.00 m3	0.00 m3	0.20 m3

Savings

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

Accomplishment: Marginally contaminated water from 233-S process systems was re-used in decontamination work rather than being sent to the Environmental Restoration Disposal Facility for disposal.

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
0.00 m3	0.00 m3	0.00 m3	815.00 m3	815.00 m3

Savings

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

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	80.00 m3	0.00 m3	80.00 m3

Savings

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

Accomplishment: Concrete block rubble from the demolition of the 108-F Biological Laboratory was targeted to be disposed as Low Level Waste at the Environmental Restoration Disposal Facility. Approximately 80 cubic meters (166 metric ton) of potentially contaminated concrete block rubble generated from the demolition of the 108-F Biological Laboratory was re-used as clean backfill. Through a joint effort between Environmental Protection Agency, Department of Energy, Richland Operations Office, and Bechtel Hanford, Inc., the project was able to demonstrate that the rubble was free of contamination allowing it to be re-used. The rubble was transported to the 100B/C Remedial Action Site where it was used to fill in areas where contaminated soil was excavated during cleanup.

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
37.65 m3	0.00 m3	0.00 m3	0.00 m3	37.65 m3

Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
75,300.00	0.00	0.00	0.00	75,300.00

Accomplishment: Crane #17T-19959 was free released and therefore is no longer considered radiologically contaminated equipment. Crane was steam cleaned at 2711E and will be sold through the Materials Management 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

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	10.00 m3	0.00 m3	10.00 m3

Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	0.00	20,000.00	0.00	20,000.00

Accomplishment: The compressor (W97D37873) was free released and excessed.

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	0.00 m3	71,200.00 m3	0.00 m3	71,200.00 m3

Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	0.00	5,118,246.00	0.00	5,118,246.00

Accomplishment: Utilizing a GR-130 Gamma Spectrometer and a E-600 survey instrument

developed with Return on Investment project funding, the excavation of contaminated soil was minimized at the 100-D Area Group 2 Pipeline Project. The identification and extent of a contamination plume in the soil from pipelines known to be contaminated was not known prior to project startup. The successful implementation of these new, innovative instruments better identified the spread of contamination and minimized the amount of soil needing remediation. As a result of this effort, 93 percent of the soil excavated was determined to be free of contamination and used as clean backfill.

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	0.01 mt	0.00 mt	0.01 mt

Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	0.00	117.00	0.00	117.00

Accomplishment: A new ice maker was purchased to replace one that broke. One of the factors that was considered when purchasing the new machine was the type of refrigerant used. It was decided that a machine containing an environmental friendly refrigerant (GENETRON 404A(R)) would be the ice maker purchased.

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

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	29.40 m3	0.00 m3	29.40 m3

Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	0.00	131,652.00	0.00	131,652.00

Accomplishment: 143,193 square feet of contamination area adjacent to diversion box 241-ER-151 were surveyed and released. The contaminated vegetation formerly collected from this area and disposed to burial was eliminated.

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	0.00 m3	84.90 m3	0.00 m3	84.90 m3

Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	0.00	161,310.00	0.00	161,310.00

Accomplishment: Category 3 Low-Level Waste (LLW) was stabilized using flood grouting in the trench as an alternative to packaging the waste in high integrity containers (HICs). The activity was funded as a Return On Investment project. 43.5 cubic meters of Category 3 LLW was stabilized in an encasement making a total disposal volume of 69.6 cubic meters. The HIC stabilization method would have resulted in a disposal volume of 154.5 cubic meters for a waste volume reduction of 84.9 cubic meters.

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	48,624.00 m3	0.00 m3	48,624.00 m3

Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	0.00	36,300,000.00	0.00	36,300,000.00

Accomplishment: In the Fall of 1998, an effort was initiated to evaluate the waste sites identified in the 300-FF-2 Operable Unit following the waste site reclassification process, as described in the Tri-Party Agreement Handbook, Management Procedure TPA-MP-14, "Maintenance of the Waste Information Data System." The disposition of 417 waste sites in the 300-FF-2 Operable Unit was completed at the end of February 1999, following the waste categorization process. The process resulted in a substantial percentage of the waste sites requiring no further action. Because many of the sites were previously targeted for remedial action in 1999 Environmental Restoration Project baseline report, the disposition process resulted in a considerable cost avoidance. For the sites that have been estimated and are identified in the 1999 Environmental Restoration Project baseline (129 sites), an estimated cost avoidance of \$15.3 million resulted from the categorization process. For the 288 sites not identified in the 1999 Environmental Restoration Project baseline, an avoidance of \$21.2 million is estimated. The basis for arriving at this value is a comparison to other analogous sites that had previously been estimated.

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	0.00 m3	35.80 m3	35.81 m3

Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	200.00	0.00	157,982.00	158,182.00

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. During the Fourth Quarter an additional 35.8 m3 were downposted.

Hanford Site

P2 Activity	Waste Type	Routine or	Ongoing Project or	Ongoing Project

		Cleanup/Stabilization	New Project	Life (in years)
Source	LLW	Cleanup/Stabilization	New	1
Reduction				

Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
7,000.00 m3	0.00 m3	0.00 m3	0.00 m3	7,000.00 m3

Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
628,215.00	0.00	0.00	0.00	628,215.00

Accomplishment: The original group 3 remedial action design specified a 1-meter-thick layer of potentially clean overburden at the 116-B-4 plume areas, 116-B-2, 116-B-12, and the 116-C-2A, B, and C sites. The approximate original design volume of potentially clean overburden was 4,700 cubic meters. The Environmental Restoration Contractor analytical team was able to use return on investment funded field screening technologies (Eberline 600 Radiological Survey Meters and NaI, Exploranium GP-130 Handheld Gamma Ray Spectrometers) and "pothole" excavations to better define the thickness of the clean overburden. The volume of overburden identified as potentially clean was increased by a factor of approximately 2.5. The approximate actual volume of soils set aside as potentially clean overburden is 11,700 cubic meters; an increase of over 7,000 cubic meters. Finding an additional 7000 cubic meters of clean overburden means 7000 cubic meters of soil that does not need to be shipped to the Environmental Restoration Disposal Facility.

Hanford Site

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

Waste Reduction

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

Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	0.00	25,993.00	0.00	25,993.00

Accomplishment: A solid-state ammonia electrode was purchased to evaluate a new method for ammonia measurement. The new method consists of measuring ammonia in the off-gas rather than the liquid, resulting in a substantial reduction in probes required to perform analyses on Tank Farm samples.

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	0.00 m3	0.10 m3	0.10 m3	0.20 m3

Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	0.00	300.00	700.00	1,000.00

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 succesful 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	53.14 m3	0.00 m3	0.00 m3	53.14 m3

Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	3,509.00	0.00	0.00	3,509.00

Accomplishment: The 1300-N Emergency Dump Basin is an outdoor liquid effluent storage basin that was originally designed to receive emergency cooling water from the N Reactor. The basin is approximately 40 meters (130 feet) long by 24 meters (80 feet) wide by 9 meters (30 feet) deep at the center, and has a storage capacity of about 3.8 million liters (1 million gallons). The basin has a carbon-steel liner. During the deactivation of the Emergency Dump Basin, 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 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
0.07 mt	0.07 mt	0.00 mt	0.00 mt	0.14 mt

Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
4,900.00	4,760.00	0.00	0.00	9,660.00

Accomplishment: Aerosol cans are redeployed onsite.

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	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
0.10 mt	0.00 mt	0.00 mt	0.00 mt	0.10 mt

Savings

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

Accomplishment: Chemicals were redeployed to the Port of Ephrata and to St Joseph School in Kennewick

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
7.80 mt	0.00 mt	6.72 mt	15.38 mt	29.90 mt

Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
12,324.00	0.00	10,614.00	12,796.00	35,734.00

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

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	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
0.00 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	11,700.00	0.00	0.00	11,700.00

Accomplishment: Four drums of 93% sulfuric acid that was identified as unneeded was used as a pH stabilizer at HR-3 and KR-4 Operable Unit pump and treat units.

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	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
8.20 mt	0.00 mt	0.00 mt	0.00 mt	8.20 mt

Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
93,440.00	0.00	0.00	0.00	93,440.00

Accomplishment: 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		Routine	Ongoing	1

Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
0.88 mt	0.00 mt	0.03 mt	0.48 mt	1.39 mt

Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
2,443.00	0.00	61.00	10,442.00	12,946.00

Accomplishment: Incandescent bulbs (First Quarter: 0.08 metric tons; Third Quarter: 0.01 metric tons), sodium vapor bulbs (First Quarter: 0.72 metric tons; Fourth Quarter: 0.32 metric tons), and mercury vapor bulbs (First Quarter: 0.08 metric tons; Third Quarter: 0.014 metric tons; Fourth Quarter 0.16 mt) are shipped to an off-site recycler.

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
2.34 mt	1.82 mt	34.76 mt	0.77 mt	39.69 mt

Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
777.00	602.00	53,938.00	16,677.00	71,994.00

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
9.59 mt	1.70 mt	2.84 mt	2.00 mt	16.13 mt

Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
1,198.00	8,490.00	14,180.00	43,600.00	67,468.00

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
0.25 mt	0.23 mt	0.14 mt	0.32 mt	0.94 mt

Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
3,206.00	2,913.00	1,112.00	6,911.00	14,142.00

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		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
0.53 mt	0.00 mt	0.00 mt	0.00 mt	0.53 mt

Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
2,835.00	0.00	0.00	0.00	2,835.00

Accomplishment: 57 unneeded 90 mil liners stored at the 1330-N waste pad were given to Waste Management Federal Services of Hanford, Inc. 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		Routine	Ongoing	1

Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
11.04 mt	13.71 mt	10.93 mt	15.59 mt	51.27 mt

Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
1,435.00	1,782.00	1,421.00	12,970.00	17,608.00

Accomplishment: Cardboard collected from Project Hanford Management Contractors is recycled by 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	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
5.00 mt	0.00 mt	0.00 mt	0.00 mt	5.00 mt

Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
31,080.00	0.00	0.00	0.00	31,080.00

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		Routine	Ongoing	1

Waste Reduction

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Reduction
179.73 mt	140.09 mt	96.56 mt	131.69 mt	548.07 mt

Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
52,161.00	44,761.00	27,956.00	109,567.00	234,445.00

Accomplishment: Ferrous metals(First Quarter: 160.95 metric tons; Second Quarter: 115.00 metric tons; Third Quarter: 86.69 metric tons; Fourth Quarter: 115.10 metric tons), or non-ferrous metals (First Quarter: 18.59 metric tons; Second Quarter: 25.00 metric tons; Third Quarter: 9.80 metric tons; Fourth Quarter: 16.53 metric tons) from Bechtel Hanford Incorporated, Project Hanford Management Contract and Pacific Northwest National Laboratory are sold to a local recycler. Tin (First Quarter: 0.19 metric ton; Second Quarter: 0.088 metric tons; Third Quarter: 0.061 metric tons; Fourth Quarter: 0.061 metric tons) from Bechtel Hanford, Inc. and Project Hanford Management Contract 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
0.41 mt	0.28 mt	0.22 mt	0.19 mt	1.10 mt

Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
53.00	36.00	28.00	160.00	277.00

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
0.22 mt	0.00 mt	0.00 mt	0.45 mt	0.67 mt

Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
28.00	0.00	0.00	9,435.60	9,463.60

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. During the Fourth Quarter, excessed 56 additional fire extinguishers.

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
3.49 mt	0.00 mt	2.23 mt	4.48 mt	10.20 mt

Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
419.00	0.00	267.00	3,720.00	4,406.00

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

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
3.57 mt	4.53 mt	5.07 mt	5.25 mt	18.42 mt

Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
464.00	589.00	659.00	4,368.00	6,080.00

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
0.12 mt	0.00 mt	1.42 mt	2.82 mt	4.36 mt

Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
16.00	0.00	85.00	2,340.00	2,441.00

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
100.80 mt	90.32 mt	97.69 mt	105.54 mt	394.35 mt

Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
13,104.00	11,742.00	12,670.00	87,809.00	125,325.00

Accomplishment: Paper from Bechtel Hanford Incorporated and Project Hanford Management Contract 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
0.10 mt	0.04 mt	0.24 mt	0.21 mt	0.59 mt

Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
14.00	5.00	32.00	175.00	226.00

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
0.00 mt	1.46 mt	0.21 mt	2.25 mt	3.92 mt

Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	189.00	26.00	1,868.00	2,083.00

Accomplishment: Propylene Glycol is recycled and reused on the site. During the Fourth Quarter the Propylene Glycol was sold at Public Auction.

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
4.87 mt	2.12 mt	2.59 mt	2.12 mt	11.70 mt

Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
4,869.00	1,912.00	2,590.00	1,755.00	11,126.00

Accomplishment: Tires are sent offsite for retreading 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
3.39 mt	2.72 mt	3.05 mt	2.97 mt	12.13 mt

Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
678.00	544.00	610.00	2,471.00	4,303.00

Accomplishment: Toner cartridges are sent to a local contractor 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	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
0.20 mt	0.20 mt	0.20 mt	0.45 mt	1.05 mt

Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
9,779.00	10,160.00	7,470.00	12,259.00	39,668.00

Accomplishment: Toner cartridges returned to vendor for recycle.

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
3.11 mt	6.30 mt	2.99 mt	2.34 mt	14.74 mt

Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
404.00	819.00	389.00	1,946.00	3,558.00

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
25.80 mt	0.00 mt	0.00 mt	7.28 mt	33.08 mt

Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
6,450.00	0.00	0.00	6,057.00	12,507.00

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
7.82 mt	5.77 mt	8.30 mt	12.15 mt	34.04 mt

Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
1,564.00	1,154.00	1,660.00	10,109.00	14,487.00

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
0.00 mt	1.08 mt	64.12 mt	54.96 mt	120.16 mt

Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	140.00	8,726.00	46,559.00	55,425.00

Accomplishment: Wood is sent to a local landfill or to cascade Pallet Inc. where it is chipped and used for landscaping and other purposes.

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
1,026.00 m3	1,026.00 m3	1,026.00 m3	1,300.00 m3	4,378.00 m3

Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
1,500,437.00	1,500,437.00	1,500,437.00	807,160.00	5,308,471.00

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	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
0.34 mt	0.00 mt	0.00 mt	0.00 mt	0.34 mt

Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
70.00	0.00	0.00	0.00	70.00

Accomplishment: The amount of paperwork required to be generated for the necessary shipping papers of waste slated for Environmental Restoration Disposal Facility was reduced in half to only 1 sheet. Also reduced is the quantity of records that need to be stored.

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
0.00 m3	229.00 m3	518.00 m3	296.60 m3	1,043.60 m3

Savings

Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Savings
0.00	15,550.00	33,065.00	7,841.00	56,456.00

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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