Stanford Linear Accelerator Center

Waste Generation and Pollution Prevention Progress

Fact Sheet

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Facility Mission

The primary mission of the Stanford Linear Accelerator Center is to perform research in high energy particle physics and accelerators. The Center concentrates on theoretical and experimental research in elementary particle physics and development of new accelerator and particle detection techniques.

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MASTER

Stanford Linear Accelerator Center - 1994
Location: Stanford, California
Site Size: 426 Acres
Operations Office: Oakland
Lead Program Office: Energy Research
DOE Employees: 8
Prime Contractor Employees: 1,568

Routine Waste Generation and Projected Reduction by Waste Type

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1994 Pollution Prevention and Recycling Accomplishments

- The disposal of 110 empty propane cylinders was avoided by changing handling procedures, enabling the recycling of the cylinders as scrap metal.
- Heavy metal sludge produced by metal finishing operations was reduced by modifying rinse water and chemical treatment.
- A program was implemented to segregate low-level radioactive and nonradioactive waste in radioactive material management areas.
- Removal of polychlorinated biphenyl-containing equipment will continue to reduce Toxic Substances Control Act regulated hazardous waste.
- Materials recycled include gold, silver, and oil.

Materials Recycled by the Stanford Linear Accelerator Center in 1994

Recycled Material	Stanford Linear Accelerator Center (in Metric Tons)	DOE Complex (in Metric Tons)
Automotive	6	1,420
Metals	318	21,797
Paper	171	14,486
Other Materials*	137	18,574
GRAND TOTAL	632	56,277

* Other materials may include toner cartridges, food/garden waste, plastic, styrofoam, glass, concrete, wood, fluorescent light tubes, coolant, filters, solvents, photographic materials, ground circuit boards, chemicals, small animal exposure tubes, paint, adhesives, brick, non-process wastewater, furniture/office equipment, fly ash, and high explosives.

The Waste Generation and Pollution Prevention Progress Fact Sheet is published by the Office of Pollution Prevention, Office of Environmental Management, EM-77. Additional information on the Pollution Prevention Program at the Stanford Linear Accelerator Center may be obtained by contacting:

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