

2002 Green Zia Company Profile

Sandia National Laboratories Fleet Services Department

Sandia National Laboratories' Fleet Services Department has been awarded Achievement recognition for the 2002 Green Zia Program year. Fleet Services employs 32 individuals within Sandia National Laboratories. Fleet Services Department provides major infrastructure support to both Sandia and DOE by maintaining the majority of Sandia's vehicle and equipment fleet and maintaining DOE's Office of Transportation and Safeguards (OTS) fleet. Fleet Services was established in 1948 and owns and leases over 2,400 vehicles and equipment valued in excess of \$50,000,000. Through preventive maintenance programs and necessary upgrades, Fleet Services continues to provide reliable, safe, and cost-effective vehicles to its Sandia and DOE customers.

Fleet Services believes that participating in the Green Zia program is an indicator of their overall commitment to the environment, employees, and the surrounding communities. Fleet Services in the last ten years has strived for continuous environmental improvement and sees the

Green Zia Program as a mechanism for self assessment and recognition of all of their hard work. Further, Fleet Services uses the Green Zia feedback report to identify further improvements leading to environmental excellence.



Ed Williams operating a "Segway" to accept Fleet Services' 2002 Achievement recognition from Governor Johnson.

Pollution Prevention at Fleet Services Department

Fleet Services Department recognizes that effective use of resources is directly connected to environmental excellence and operating costs. Environmental, Safety and Health protection is considered from the outset of every activity. The current pollution prevention program addresses the major environmental issues such as alternative fuel vehicles, air quality, water quality and consumption, energy consumption, and solid and hazardous waste generation. These issues

are addressed through the integration of environmental concerns into the planning of new activities, ongoing review of major existing activities, training of employees, and the purchasing of "green" products.

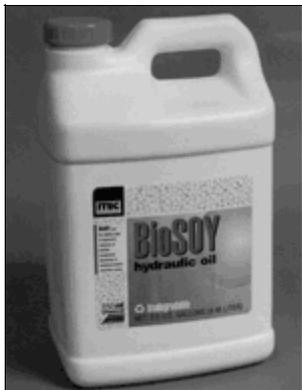
This extensive commitment to pollution prevention goes beyond regulatory requirements and implements new innovative technologies to reduce waste and pollutant discharge moving towards Fleet's goal of being a totally "Green Facility."

Successful Approaches at Fleet Services Department



Fleet Services' new electric vehicles.

“The Green Zia Awards Program has provided us with the opportunity to make the public aware of the proactive approach that all Sandia Fleet Services Department employees have taken for years on the issues of pollution prevention and environmental excellence.”
- Art Sena, Fleet Services Department



Fleet Service's bio-based hydrolic oil.



J.C. Powell Jr. working on a diesel-powered vehicle.

Fleet Services is in the process of evaluating all of their existing activities using the Pollution Prevention Opportunity Assessment methodology to look for further opportunities for improvement. After the assessment is completed and specific opportunities have been identified funding to implement these opportunities will be sought.

Fleet Services relies heavily on its employees to make the pollution prevention program work. Employees are involved at all stages of the program from the planning of new activities to suggesting areas for improvement. Fleet Services has largely seen their current success due to every employee's commitment to performing quality work.

Fleet Services is a strong supporter of the Land of Enchantment Clean Cities Coalition and have brought a large number of alternative fuel vehicles into the fleet.

Results

Fleet Services has significantly reduced its waste generation and operating costs through waste reduction, recycling, and affirmative procurement initiatives. These successes are the result of strong management commitment and strong worker involvement to create a “green” shop. Since 1993, Fleet Services has demonstrated extraordinary commitment to pollution prevention by changing every aspect of their operations. They have eliminated the use of hazardous solvents by substitution with Citrus cleaners and Power Washers. They have set up a

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Fleet Services' alternative fuels filling station.

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closed loop contract for the recycling of used oil, tires, batteries and purchase of recycled products. They reclaim all their engine coolants and reuse the coolant. These projects between 1994 and 1997 reduced Fleet's total waste by 2790 kilograms and avoided \$31.2K/yr in waste disposal costs (Figure 1). Fleet Services has also upgraded their Alternative Fuels Filling Station to include bio-diesel E-85 and CNG- the 1st multi-fuel station in New Mexico.

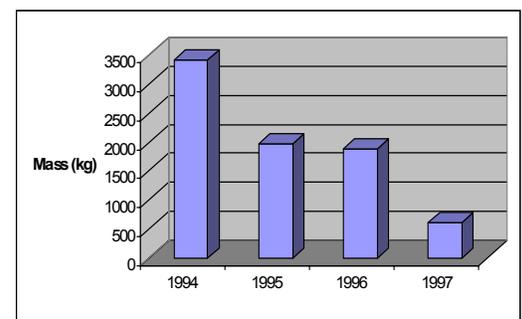


Figure 1: Total Waste Generation at Fleet Services