

CURRENT RECYCLING AND WASTE-TO-ENERGY EFFORTS



RECYCLING TASK FORCE MEETING

**FNSB Assembly Chambers
January 11, 2008
4:30 p.m.— 6:30 p.m.**







BOB JORDAN, SOLID WASTE MANAGER

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INTRODUCTION

The FNSB Landfill has an ongoing recycling / waste-to-energy program that encompasses both solid and hazardous waste.

-  Aluminum and scrap metal is accepted for recycling.
-  Antifreeze and vehicle batteries are consolidated and recycled.
-  Items such as old gasoline, oil-based paints, and other hazardous waste are collected and used as a fuel in cement plants.
-  Used oil is collected and burned for energy recovery in waste oil boilers that heat onsite buildings. The *used oil energy recovery program* has resulted in significant savings of used oil disposal costs and negated the need to purchase heating fuel.

Materials processed in the Landfill's recycling and waste-to-energy program are listed in the adjacent table.

RECYCLING / WASTE ENERGY HIGHLIGHTS		
MATERIAL	FY07 QUANTITIES	COMMENT / EXPLANATION
Scrap Metal	1,947 tons or 3,894,000 lbs. (includes 1,186 automobiles)	Junk automobiles along with other miscellaneous metal are recycled as scrap metal after hazardous materials are removed.
Aluminum Cans	524 lbs.	Aluminum cans are collected and recycled through a contractor.
Antifreeze	6,282 gallons	Antifreeze is collected, consolidated, and recycled through our hazardous waste contractor.
Vehicle Batteries	176 tons or 352,000 lbs. (8,800 vehicle batteries)	Batteries are packaged and shipped to a recycling facility.
Old gasoline, oil-based paints, paint thinner, & other hazardous wastes	N/A	Combustible items are used as a fuel source in cement plants.
Waste Oil	18,824 gallons	Waste oil has heated the Main Landfill Building since 2003, and has recently become the primary energy source to heat the HHW Facility.
Oily Water	N/A	The Landfill utilizes a contractor to transport the oily water to an energy recovery facility, where the oil is separated from the water and used in a waste oil boiler.
Re-use Areas	Five (5) Locations	Heavily used by area residents; located at Farmer's Loop East, Farmer's Loop West, Chena Pump, Badger Road, and North Pole Transfer Sites.