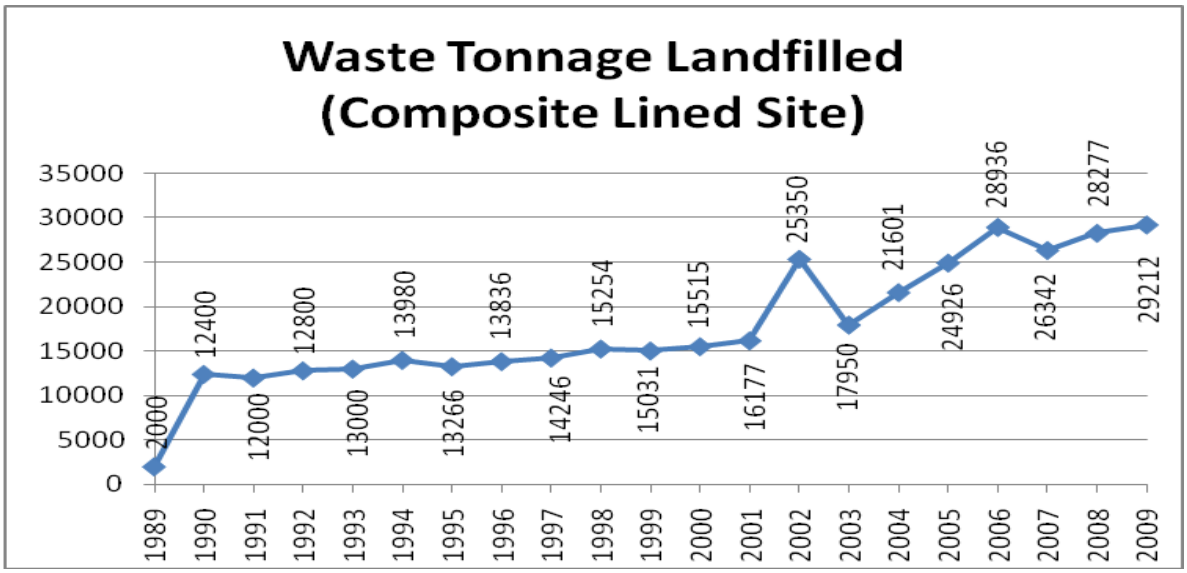
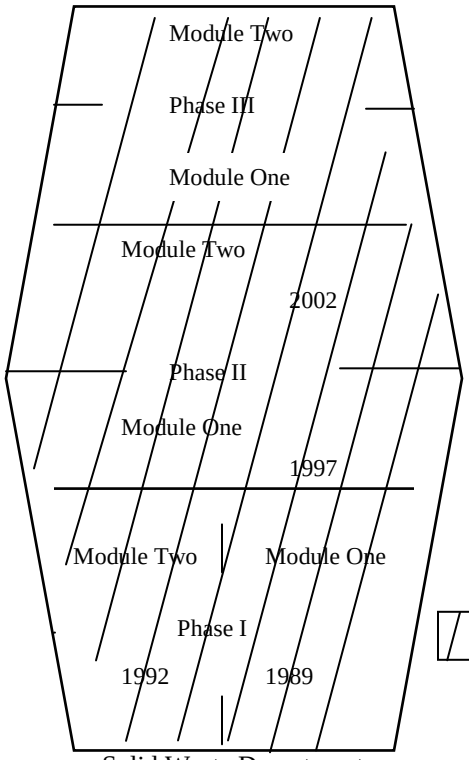
LINCOLN COUNTY SOLID WASTE
2009 ANNUAL REPORT

TO THE HONORABLE LINCOLN COUNTY BOARD OF SUPERVISORS

The following is a brief, past year, summary of the solid waste program in Lincoln County.



LINCOLN COUNTY
14 ACRE LANDFILL AREA



AREA CONSTRUCTED

COMPOSITE LINED LANDFILL

29,212 tons of municipal solid waste was landfilled. The landfill, which was opened in 1989, was designed to be full in 15 years or by the year 2005; however, due to better waste compaction, use of alternative daily cover materials, recycling, etc.; the present 14 acre site is now estimated to last until 2015 which is actually ten years longer than expected. There also is more space available on the 160 acre landfill property to license additional sites in the future. The garbage rate increased on January 1, 2009 to $43 per ton, July 1, 2009 to $47.00 per ton, and October 1, 2009 to $50.00 per ton due to increases in DNR fees. The minimum charge for garbage was $10.00 and on August 1, 2009 was increased to $15.00. The Solid Waste Department transferred $200,000.00 to the county.

DNR FEE FOR WASTE LANDFILLED

In 2009, $212,676.79 was paid to DNR for various fees.

DEMOLITION LANDFILL

Approximately 2,570 tons of construction demolition debris was diverted from the landfill and buried in the demo site. This saved approximately $12,850.00 worth of landfill space.

LEACHATE MANAGEMENT

1,536,645 gallons of leachate (liquid from garbage) was collected from the landfill and transported for treatment to Merrill Waster Utility in Merrill. 1,761,900 gallons were recirculated back in the working face of the landfill which saves treatment costs and helps promote decomposition in the landfill. A total of 3,298,545 gallons of leachate was transported and recirculated.

GROUNDWATER AND METHANE GAS MONITORING

At the landfill a total of twelve deep wells, fourteen shallow wells, 2 piezometers, and a lysimeter are being monitored for over fifty three different parameters twice a year. Besides ground water monitoring, three gas wells around the landfill are monitored for methane gas by Northern Lakes Service, Inc. Also, a methane gas blower and flare were installed to burn off the excess gas coming from the landfill.

CLOSURE AND LONG TERM CARE

As of December 31, 2009, the landfill closure fund had a market value of $1,462,611.83 and a long-term care market value of $2,139,293.13. These are restricted funds required by DNR to be set aside for managing the leachate, ground water monitoring, etc. for a period of 40 years after the landfill is closed.

RECYCLING

To date all municipalities in Lincoln County, have maintained an effective recycling program (according to DNR) based on Wisconsin's recycling law which began in 1995.

Since data for 2009 is not available until March, a summary of the 2008 tons recycled and cost per ton for each municipality in Lincoln County is listed below.

	2008 Tons Recycled	Cost Per Ton		2008 Tons Recycled	Cost Per Ton
Town of Birch	37.48	$ 50.64	Town of Russell	32.82	$121.63
Town of Bradley	137.77	$244.80	Town of Schley	37.17	$176.46
Town of Corning	57.93	$101.04	Town of Scott	80.50	$132.27
Town of Harding	35.40	$ 78.11	Town of Skanawan	17.16	$369.52
Town of King	61.60	$169.07	Town of Tomahawk	28.02	$221.70
Town of Merrill	131.31	$ 81.37	Town of Wilson	15.40	$660.84
Town of Pine River	58.41	$147.71	City of Merrill	709.96	$204.26
Town of Rock Falls	30.06	$112.61	City of Tomahawk	202.25	$140.74

The Town of Harrison and the Town of Somo are part of the Oneida County recycling responsible unit and have an average cost per ton of $73.77 for 2008. The landfill recycled 35 tons of tires, 226 CFC appliances, 150 batteries, 51 tons of tin, .32 tons of aluminum cans, .56 tons of steel rims, .3 tons of #2 insulated copper, 1ton of copper transformer, and 19 tons of recycled paper, plastic, card board, tin cans and magazines. Seven tons of glass was beneficially re-used as road based

material. Approximately 84 tons of clean wood and brush was diverted from the landfill. All wood is now chipped and transported to PCA in Tomahawk for burning in their boilers. Had this material gone into the landfill an additional $4,200.00 worth of landfill space would have been lost.

FUEL CONTAMINATED SOIL

In 1996 Lincoln County was approved to bioremediate fuel contaminated soil. After the soil goes through the bioremediation process it can be utilized as daily cover in the landfill. Approximately 5,210 tons of soil was treated in 2009. 5,061 tons of soil went for daily cover or roads and 149 tons of soil went into the landfill.

ROOFING

1,669 tons of roofing was brought into the landfill and used as daily cover in the landfill.

This report is respectfully submitted and dated this 14th day of April 2010.

Robert A. Reichelt
Solid Waste Manager