

HAZARDOUS WASTE MANAGEMENT IN IDAHO 2011

INTRODUCTION

This report covers the time period from January 1 through December 31, 2011. It describes the types and amounts of hazardous waste generated in Idaho, how this waste was managed, and any waste remaining on-site. The report also discusses the types and amounts of hazardous waste imported into Idaho. This information is compiled by the Idaho Department of Environmental Quality (DEQ) from the Idaho Hazardous Waste Generator Annual Reports submitted by Large and Small Quantity Hazardous Waste Generators (LQGs and SQGs), as required by Idaho Code Section 39-4411(4) of the Idaho Hazardous Waste Management Act (HWMA), and from reports submitted by commercial hazardous waste disposal facilities, as required by Idaho Code Section 39-4411(5). This report is distributed to the Governor, Legislature, and the public of Idaho to present an annual overview of Idaho hazardous waste management activities. Additional information regarding DEQ may be found at <http://www.deq.idaho.gov>.

The Idaho DEQ contributes to the national overview of hazardous waste management activities through federal biennial reporting and the Resource Conservation and Recovery Act Information System (RCRAInfo). The federal Biennial Report describes national hazardous waste activities as reported by LQGs and Treatment, Storage, and Disposal (TSD) facilities every other year. RCRAInfo assigns hazardous waste facility identification numbers and tracks hazardous waste permitting, enforcement, and corrective action at hazardous waste generation facilities. Biennial reporting and RCRAInfo are used by the U.S. Environmental Protection Agency (EPA) to track and report national hazardous waste activities to the President, U.S. Congress, and the public. This information may also be accessed through the Internet at either of the following sites: http://www.epa.gov/enviro/index_java.html; or <http://www.epa.gov/r10earth/>.

THE REPORT

As reported by Idaho LQGs and SQGs, 4,618 tons of hazardous waste was generated in Idaho during 2011. Wastewater accounted for <1 ton or <0.01% of the total reported hazardous waste generated. Non-wastewater hazardous wastes accounted for >99% of the total or 4,617 tons. These wastes fall in the following categories:

OTHER WASTES – 1,216 Tons

This waste includes discarded commercial chemicals, universal wastes, and miscellaneous listed wastes.

MIXED WASTES – 1,202 Tons

This waste is both hazardous and radioactive. For the year 2010, most mixed waste was generated and stored at the INL.

CHARACTERISTIC WASTES – 1,156 Tons

This waste is hazardous because it contains one or more characteristic of ignitability, corrosivity, reactivity, or toxicity.

TREATMENT, STORAGE, AND DISPOSAL (TSD)

WASTES – 776 Tons

This hazardous waste is generated from residuals and collection systems at permitted TSD facilities and hazardous waste landfills.

SOLVENT WASTES – 237 Tons

Spent solvents are generated by various industry and business activities, such as parts de-greasing, painting, various manufacturing processes, and dry cleaning.

REMEDIATION WASTES – 29 Tons

Most remediation wastes are generated from the cleanup of contaminated sites (Superfund and other sites), performing corrective action, and/or removing and upgrading underground storage tanks.

TRENDS IN IDAHO WASTE GENERATION

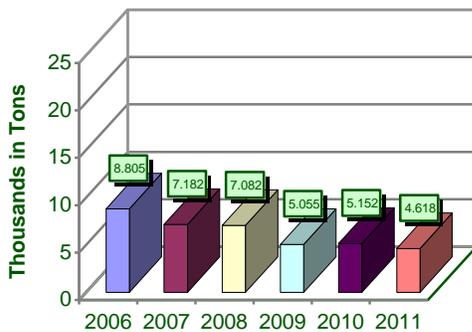
The amount of hazardous waste generated in Idaho, as reported by Idaho LQGs and SQGs, decreased from 5,152 tons in 2010 to 4,618 tons in 2011, a decrease of 10%. Non-wastewater hazardous waste amounts decreased from 5,151 tons in 2010 to 4,617 tons in 2011, also a decrease of 10%.

This year, four of the six hazardous waste categories listed on the front page show increases from 2010 amounts with two of the six categories showing a reduction from 2010 amounts.

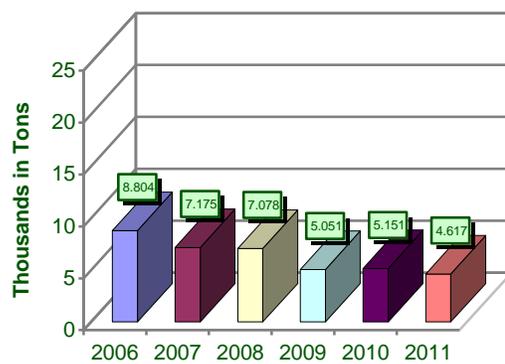
The four categories reflecting an increase are Other Wastes (likely due to increased Universal Waste Management), Mixed Wastes, Solvent Wastes, and Remediation Wastes. The two categories reflecting a decrease are Characteristic Wastes and TSD Wastes.

Although some sites reported small increases in waste generation, it would appear the economic downturn continues to impact waste generation. It would also appear that public health and the environment of Idaho continue to benefit from continued business waste minimization practices, such as recycling and distillation.

Total Hazardous Waste Generation in Idaho
2006-2011



Non-wastewater Hazardous Waste Generation
Per Year in Idaho



WASTE IMPORTED INTO IDAHO IN 2011

The only commercial hazardous waste landfill operating in Idaho is the US Ecology Idaho, Inc. site (formerly Envirosafe Services of Idaho, Inc.) in Owyhee County near Grand View, Idaho.

Traditionally, waste received at US Ecology Idaho has been reported in the following three (3) categories:

- RCRA - This waste is defined by the federal Resource Conservation & Recovery Act (RCRA) and HWMA as hazardous. It is regulated by Idaho and the federal government.
- PCB - This waste is defined as a toxic substance by the federal Toxic Substance Control Act (TSCA). Currently, this waste is regulated in Idaho only by the federal government.
- Non-Haz¹ - This category includes both non-hazardous waste and waste regulated as manifested state hazardous wastes by other states (including FUSRAP/NORM wastes) and must be disposed in a permitted RCRA hazardous waste disposal facility when shipped to Idaho.

During 2011, US Ecology Idaho received 601,624 tons of waste, an increase of 49% from the 404,532 tons received during 2010. Most of the waste (600,154 tons or >99%) received at US Ecology Idaho came from other states. The state from which the most waste was sent to US Ecology Idaho was New York, which sent 296,041 tons for disposal in 2011. Idaho generators sent 1,470 (<1%) tons to US Ecology Idaho in 2011. The chart on the following page details the various states and amount of waste they shipped to US Ecology Idaho in 2011.

¹ This category has previously been identified as the State Waste category. However, due to changes in waste disposal options, it has become apparent to Idaho DEQ this category should more appropriately be designated as the Non-Hazardous category. It does still contain small amounts of waste regulated as manifested state hazardous waste by other states.

HAZARDOUS WASTE IMPORTED INTO IDAHO IN 2011 (TONS)

STATE	RANK	RCRA	PCB	NON-HAZ	2011 TOTAL	% OF TOTAL	2010 TOTAL
NY	1	0.0	287,392.1	8,648.8	296,040.9	49.21	115,355.9
NJ	2	16,404.0	0.0	68,964.6	85,368.6	14.19	101,802.8
MO	3	19.6	0.0	74,326.8	74,346.4	12.38	76,932.2
OR	4	55,412.2	36.6	3,577.8	59,026.6	9.81	40,620.4
CA	5	29,131.7	*1,530.1	19,643.4	50,305.2	8.36	12,520.5
WA	6	4,361.4	253.1	1,340.5	5,955.0	0.98	13,358.6
MT	7	999.3	2,489.0	1,279.1	4,767.4	0.79	12,174.8
UT	8	2,572.6	41.0	2,116.5	4,730.1	0.79	6,586.9
CAN**	9	43.9	0.0	4,294.6	4,338.5	0.72	2,793.8
PA	10	6.2	0.0	4,052.2	4,058.4	0.67	1,074.5
OH	11	0.0	0.0	1,902.4	1,902.4	0.32	5.5
CO	12	1,009.0	5.9	664.5	1,679.4	0.28	1,581.8
ID	13	921.0	50.8	497.8	1,469.6	0.24	2,144.2
TX	14	257.0	45.2	1,094.1	1,396.4	0.23	350.8
IL	15	0.1	0.0	964.4	964.5	0.16	325.8
AK	16	489.4	29.2	295.8	814.4	0.14	5,151.8
FL	17	0.0	0.0	683.8	683.8	0.11	872.7
SD	18	0.8	247.7	396.6	645.1	0.11	407.1
MD	19	0.0	0.0	497.6	497.6	0.08	668.9
WY	20	12.0	11.7	450.6	474.3	0.08	547.5
NV	21	272.0	*93.8	65.1	430.9	0.07	6,796.0
AZ	22	0.0	362.8	8.2	371.0	0.06	234.2
NH	23	0.0	0.0	249.6	249.6	0.04	64.0
ND	24	0.0	32.1	198.5	230.6	0.04	81.3
NC	25	0.0	0.0	167.8	167.8	0.03	48.0
KY	26	0.0	0.2	167.5	167.7	0.03	665.1
IA	27	0.0	102.8	31.6	134.4	0.02	108.8
KS	28	1.3	67.0	26.0	94.3	0.02	81.7
LA	29	4.7	0.0	55.7	60.4	0.01	136.1
NE	30	0.0	56.9	0.0	56.9	0.01	123.3
NM	31	1.1	6.7	45.0	52.8	0.01	678.1
GA	32	19.5	0.0	21.8	41.3	0.01	28.5
WI	33	0.0	0.0	38.0	38.0	0.01	8.2
OK	34	0.6	0.0	25.7	26.4	0.00	4.2
AL	35	0.0	0.0	12.5	12.5	0.00	0.0
AR	36	0.0	0.0	9.8	9.8	0.00	21.9
TN	37	2.3	0.0	7.0	9.3	0.00	12.2
MI	38	0.0	0.0	2.0	2.0	0.00	0.1
WV	39	1.9	0.0	0.0	1.9	0.00	0.0
HI	40	0.0	0.0	1.0	1.0	0.00	10.9
VA	41	0.0	0.0	0.2	0.2	0.00	9.1
CT	42	0.0	0.0	0.1	0.1	0.00	0.0
MN	43	0.0	0.0	0.0	0.0	0.00	5.8
IN	N/A	0.0	0.0	0.0	0.0	0.00	0.1
MA	N/A	0.0	0.0	0.0	0.0	0.00	138.6
TOTAL	N/A	111,943.6	292,854.7	196,825.0	601,623.5	100%	404,532.4

* Combined TSCA/RCRA waste streams; ** Canada



**State of Idaho
Department of Environmental Quality
1410 North Hilton
Boise, Idaho 83706**

RETURN SERVICE REQUESTED

**PRSRT STD
U.S. POSTAGE
PAID
PERMIT NO. 1
BOISE, ID**

HAZARDOUS WASTE MANAGEMENT METHODS

Using one of the methods listed below, a reported 9,733 tons of hazardous waste was managed in 2011. The amount of waste managed during 2011 includes the reported 4,618 tons generated in 2011 as well as waste generated in previous years but kept in permitted storage units awaiting further treatment and disposal.

MANAGEMENT METHOD	TOTAL TONS	MANAGED IN-STATE	MANAGED OUT-OF-STATE
Landfill	4,508	783	3,725
Treatment	3,891	3,342	549
Reuse/Recycle	304	5	299
Incineration	601	0	601
Other	429	0	429