

HAZARDOUS WASTE MANAGEMENT IN IDAHO 2012

INTRODUCTION

This report covers the time period from January 1 through December 31, 2012. 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, 5,267 tons of hazardous waste was generated in Idaho during 2012. 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 5,267 tons. These wastes fall in the following categories:

OTHER WASTES – 1,324 Tons

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

MIXED WASTES – 1,317 Tons

This waste is both hazardous and radioactive. For the year 2012, most mixed waste was generated and stored at the INL.

TREATMENT, STORAGE, AND DISPOSAL (TSD) WASTES – 1,280 Tons

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

CHARACTERISTIC WASTES – 1,042 Tons

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

SOLVENT WASTES – 299 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 – 5 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

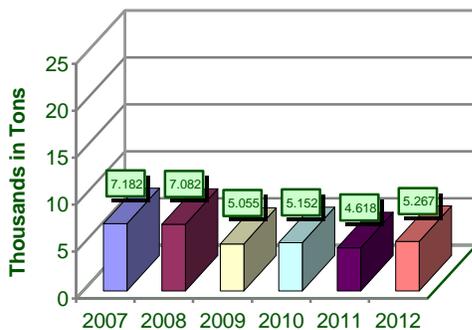
The amount of hazardous waste (including both non-wastewater and wastewater) generated in Idaho, as reported by Idaho LQGs and SQGs, increased from 4,618 tons in 2011 to 5,267 tons in 2012, an increase of 14%. The non-wastewater hazardous waste increase was negligible enough to not warrant a separately reported amount.

This year, four of the six hazardous waste categories listed on the front page show increases from 2011 amounts with two of the six categories showing a reduction from 2011 amounts.

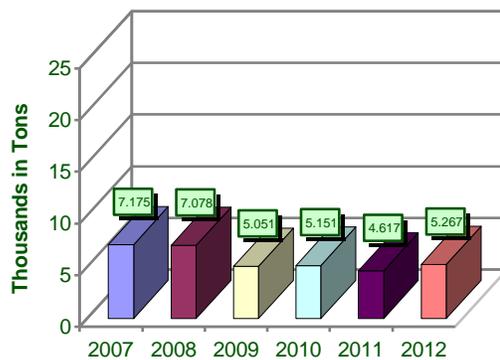
The four categories reflecting an increase are Other Wastes (likely due to increased Universal Waste Management), Mixed Wastes, TSD Wastes, and Solvent Wastes. The two categories reflecting a decrease are Characteristic Wastes and Remediation Wastes.

Some sites reported small increases in waste generation, suggesting that slight economic upturns continue 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
2007-2012



Non-wastewater Hazardous Waste Generation
Per Year in Idaho



WASTE IMPORTED INTO IDAHO IN 2012

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 2012, US Ecology Idaho received 396,102 tons of waste, a decrease of 34% from the 601,624 tons received during 2011. Most of the waste (394,478 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 Jersey, which sent 126,592 tons for disposal in 2012. Idaho generators sent 1,624 (<1%) tons to US Ecology Idaho in 2012. The chart on the following page details the various states and amount of waste they shipped to US Ecology Idaho in 2012.

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 2012 (TONS)

STATE	RANK	RCRA	PCB	NON-HAZ	2012 TOTAL	% OF TOTAL	2011 TOTAL
NJ	1	203.0	0.0	126,388.9	126,591.9	31.95	85,368.6
CA	2	18,143.4	*8,888.4	53,239.2	80,271.0	20.26	50,305.2
MO	3	0.1	7.4	67,484.8	67,492.2	17.03	74,346.4
NY	4	0.0	42,882.9	5,880.1	48,763.0	12.31	296,040.9
OR	5	30,140.9	165.7	3,273.3	33,579.9	8.47	59,026.6
MT	6	13,334.4	84.0	112.7	13,531.1	3.41	4,767.4
WA	7	4,442.6	*12.7	2,445.9	6,901.2	1.74	5,955.0
UT	8	2,521.9	50.3	3,253.8	5,825.9	1.47	4,730.1
CAN**	9	0.0	0.0	1,800.6	1,800.6	0.45	4,338.5
ID	10	886.3	142.5	594.9	1,623.7	0.40	1,469.6
CO	11	255.9	0.1	893.2	1,149.2	0.29	1,679.4
IL	12	0.0	0.0	1,049.9	1,049.9	0.26	964.5
NV	13	247.6	188.8	346.3	782.7	0.19	430.9
ND	14	0.0	48.0	686.2	734.1	0.18	230.6
SD	15	0.8	342.5	382.9	726.2	0.18	645.1
FL	16	0.0	0.0	686.8	686.8	0.17	683.8
TX	17	107.4	51.4	495.4	654.1	0.16	1,396.4
PA	18	12.7	4.7	631.8	649.1	0.16	4,058.4
AK	19	298.9	27.8	314.5	641.1	0.16	814.4
AZ	20	0.0	417.1	18.4	435.4	0.10	371.0
KS	21	0.0	73.2	354.1	427.2	0.10	94.3
MD	22	7.1	0.0	326.0	333.1	0.08	497.6
NH	23	0.0	0.0	273.3	273.2	0.05	249.6
WY	24	50.6	4.6	173.4	228.5	0.05	474.3
IA	25	15.4	154.5	39.3	209.1	0.04	134.4
LA	26	27.0	0.0	134.1	161.1	0.02	60.4
KY	27	0.0	0.0	109.9	109.9	0.02	167.7
WI	28	2.0	5.7	92.6	100.4	0.01	38.0
MN	29	0.0	3.3	68.1	71.5	0.01	0.0
DC	30	0.0	0.0	59.4	59.4	0.00	0.0
OH	31	1.5	0.0	44.4	45.9	0.00	1,902.4
VA	32	14.7	0.0	21.6	36.3	0.00	0.2
NM	33	3.4	8.9	17.3	29.6	0.00	52.8
MA	34	28.8	0.0	0.0	28.7	0.00	0.0
GU***	35	0.9	0.0	20.3	21.1	0.00	0.0
NE	36	17.7	1.6	0.0	19.3	0.00	56.9
NC	37	0.0	0.0	19.2	19.2	0.00	167.8
MS	38	0.0	0.0	12.6	12.6	0.00	0.0
GA	39	0.0	0.0	8.3	8.3	0.00	41.3
AR	40	0.4	0.0	6.7	7.1	0.00	9.8
HI	41	0.0	0.0	2.1	2.1	0.00	1.0
TN	42	0.3	0.0	1.7	2.0	0.00	9.3
MI	43	0.0	0.0	2.0	2.0	0.00	2.0
OK	44	0.0	0.0	1.8	1.8	0.00	26.4
SC	45	0.0	0.0	0.7	0.7	0.00	0.0
DE	46	0.4	0.0	0.0	0.3	0.00	0.0
TOTAL	N/A	70,766.1	53,566.0	271,769.3	396,101.5	100%	601,623.5

* Combined TSCA/RCRA waste streams; ** Canada; ***Guam



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HAZARDOUS WASTE MANAGEMENT METHODS

Using one of the methods listed below, a reported 9,806 tons of hazardous waste was managed in 2012. The amount of waste managed during 2012 includes the reported 5,267 tons generated in 2012 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	4,754	869	3,884
Treatment	3,887	3,602	285
Reuse/Recycle	191	7	184
Incineration	427	0	427
Other	547	0	547