

HAZARDOUS WASTE MANAGEMENT IN IDAHO 2008

INTRODUCTION

This report covers the time period from January 1 through December 31, 2008. 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, 7,082 tons of hazardous waste was generated in Idaho during 2008. Wastewater accounted for 4 tons or <0.05% of the total reported hazardous waste generated. Non-wastewater hazardous wastes accounted for >99% of the total or 7,078 tons. These wastes fall in the following categories:

CHARACTERISTIC WASTES – 2,322 Tons

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

OTHER WASTES – 2,000 Tons

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

TREATMENT, STORAGE, AND DISPOSAL (TSD) WASTES – 1,240 Tons

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

MIXED WASTES – 1,233 Tons

This waste is both hazardous and radioactive. For the year 2008, most mixed waste was generated and stored at the INL.

SOLVENT WASTES – 283 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 – <1 Ton

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

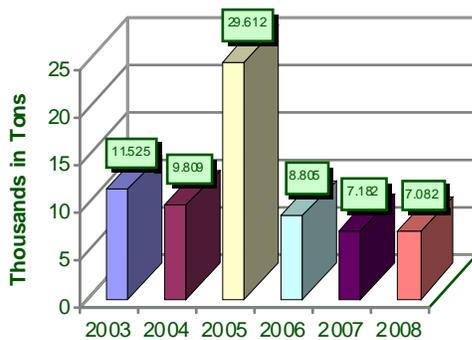
The amount of hazardous waste generated in Idaho, as reported by Idaho LQGs and SQGs, decreased from 7,182 tons in 2007 to 7,082 tons in 2008, a decrease of approximately 1%. Non-wastewater hazardous waste amounts decreased from 7,175 tons in 2007 to 7,078 tons in 2008, also a decrease of approximately 1%.

This year, only two of the six hazardous waste categories listed on the front page show increases from 2007 amounts with four of the six categories showing a reduction from 2007 amounts.

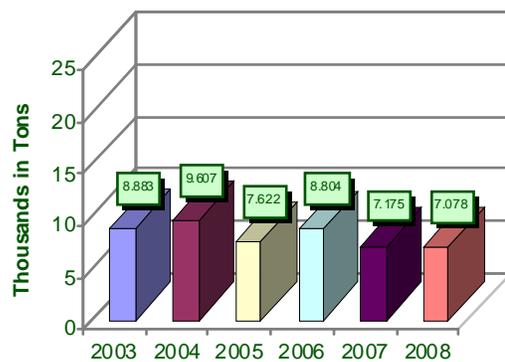
The two categories reflecting an increase are Characteristic Wastes and TSD Wastes. The four categories reflecting a decrease are Mixed Wastes, Other Wastes, Remediation Wastes, and Solvent Wastes.

As businesses continue to refine their processes to keep hazardous waste generation down and continue to explore non-hazardous alternatives such as recycling, distillation, and other waste minimization and pollution prevention options, public health and the environment of Idaho will benefit.

Total Hazardous Waste Generation in Idaho 2003-2008



Non-wastewater Hazardous Waste Generation Per Year in Idaho



WASTE IMPORTED INTO IDAHO IN 2008

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 2008, US Ecology Idaho received 824,685 tons of waste, an increase of 1% from the 812,895 tons received during 2007. Most of the waste (796,654 tons or >97%) 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 472,884 tons for disposal in 2008. Idaho generators sent 28,030 (<3%) tons to US Ecology Idaho in 2008. The chart on the following page details the various states and amount of waste they shipped to US Ecology Idaho in 2008.

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 2008 (TONS)

STATE	RANK	RCRA	PCB	NON-HAZ	2008 TOTAL	% OF TOTAL	2007 TOTAL
NJ	1	400,720.1	0.0	72,164.0	472,884.1	57.341	427,340.9
MO	2	0.0	0.0	84,709.9	84,709.9	10.272	81,579.3
PA	3	187.5	0.0	60,657.6	60,845.1	7.378	99,248.1
NY	4	0.0	0.0	34,091.8	34,091.8	4.134	68,973.4
UT	5	25,074.9	90.8	3,336.5	28,502.2	3.456	20,603.4
ID	6	813.4	26,377.4	839.3	28,030.1	3.399	5,392.0
WA	7	20,712.3	388.9	597.5	21,698.7	2.631	8,145.8
CA	8	2,202.1	1.1	19,289.9	21,493.1	2.606	12,434.9
OR	9	16,360.1	4.2	3,409.1	19,773.4	2.398	19,596.5
MT	10	17,722.2	8.0	224.7	17,954.9	2.177	1,734.0
NV	11	632.7	0.0	10,767.6	11,400.3	1.382	10,203.8
KU****	12	0.0	0.0	7,244.4	7,244.4	0.878	0.0
OH	13	0.6	0.0	6,135.9	6,136.5	0.744	10,507.1
NE	14	5,230.6	0.0	6.9	5,237.5	0.635	24,007.9
CAN**	15	0.0	0.0	1,268.0	1,268.0	0.154	40.2
AK	16	166.1	25.2	595.8	787.1	0.095	275.2
LA	17	17.0	0.0	555.0	572.0	0.069	253.3
CO	18	216.2	1.7	347.3	565.2	0.069	488.3
WY	19	1.6	1.0	462.1	464.7	0.056	632.2
IN	20	0.0	0.0	341.0	341.0	0.041	4,472.9
SD	21	1.3	286.1	4.8	292.2	0.035	507.5
GA	22	0.0	10.4	109.2	119.6	0.015	0.0
IL	23	0.0	0.0	82.7	82.7	0.010	1,536.9
GU***	24	0.0	44.3	0.0	44.3	0.005	0.0
VA	25	0.0	0.0	41.6	41.6	0.005	339.1
TX	26	0.0	0.0	40.1	40.1	0.005	1,094.9
ND	27	0.0	20.2	0.2	20.4	0.002	20.7
MD	28	0.0	0.0	14.5	14.5	0.002	5,317.9
FL	29	0.9	0.0	4.5	5.4	0.001	0.0
AL	30	0.0	0.0	5.3	5.3	0.001	11.0
HI	31	0.0	0.0	4.3	4.3	0.001	5.8
KY	32	0.0	0.0	4.0	4.0	0.001	0.0
IA	33	0.0	0.0	3.5	3.5	0.000	0.0
KS	34	3.0	0.0	0.0	3.0	0.000	243.6
AZ	35	2.6	0.0	0.1	2.7	0.000	4.0
MN	36	0.0	0.9	0.0	0.9	0.000	109.0
TN	37	0.0	0.0	0.3	0.3	0.000	14.8
AR	38	0.0	0.0	0.1	0.1	0.000	0.1
NM*	N/A	0.0	0.0	0.0	0.0	0.000	7,258.2
OK*	N/A	0.0	0.0	0.0	0.0	0.000	496.8
WI*	N/A	0.0	0.0	0.0	0.0	0.000	4.0
SC*	N/A	0.0	0.0	0.0	0.0	0.000	1.8
TOTAL	N/A	490,065.2	27,260.2	307,359.6	824,685.0	100%	812,895.1

* Included in 2007 total, but no waste was received in 2008.

** Canada - *** Guam - **** Kuwait



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HAZARDOUS WASTE MANAGEMENT METHODS

Using one of the methods listed below, 11,407 tons of hazardous waste was managed in 2008. The amount of waste managed during 2008 includes the 7,082 tons generated in 2008 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	3,334	714	2,619
Treatment	4,054	3,136	918
Reuse/Recycle	519	9	510
Incineration	328	0	328
Other	3,172	0	3,172