

HAZARDOUS WASTE MANAGEMENT IN IDAHO 2006

INTRODUCTION

This report covers the time period from January 1 through December 31, 2006. 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/>.

RULE UPDATES

As of September 6, 2006, use of the revised Uniform Hazardous Waste Manifest form (EPA Forms 8700-22 and 8700-22a) became effective for all Large and Small Quantity Generators. Also as of this date, the use of any state manifest forms was to be discontinued. Not effective as of September 6, 2006, although included in the original proposal, was an e-manifest or electronic manifest option. A workgroup is currently working through several issues in an effort to make electronic manifesting a reality. For more information, see <http://www.epa.gov/epaoswer/hazwaste/gener/manifest/e-man.htm> and <http://www.epa.gov/epaoswer/hazwaste/gener/manifest/faqs.htm>.

In response to a previous potential rulemaking, EPA has developed a helpful reference tool including links to EPA FAQs, letters, memoranda and guidance documents. This web-based document serves as a user-friendly reference to assist industrial facilities generating and managing hazardous waste, as well as the general public and government agencies, in locating and understanding the current RCRA hazardous waste generator regulatory requirements. This document is not meant to be a substitute for the CFR itself, but rather is a consolidation and streamlining of the requirements by generator status. The web-based generator reference document may be found at the following URL: www.epa.gov/epaoswer/osw/gen_trans/cesqg_resources.htm.

THE REPORT

As reported by Idaho LQGs and SQGs, 8,805 tons of hazardous waste was generated in Idaho during 2006. Wastewater accounted for 1 ton or 1% of the total reported hazardous waste generated. Non-wastewater hazardous wastes accounted for 99% of the total or 8,804 tons. These wastes fall in the following categories:

MIXED WASTES – 3,023 Tons

This waste is both hazardous and radioactive. For the year 2005, all mixed waste was generated and stored at the INEEL.

TREATMENT, STORAGE, AND DISPOSAL (TSD) WASTES – 2,340 Tons

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

SOLVENT WASTES – 1,320 Tons

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

CHARACTERISTIC WASTES – 1,170 Tons

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

OTHER WASTES – 939 Tons

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

REMEDIATION WASTES – 11 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

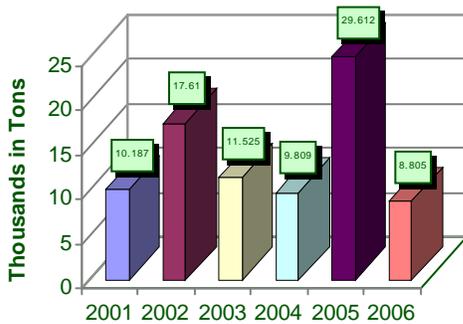
The amount of hazardous waste generated in Idaho, as reported by Idaho LQGs and SQGs, decreased from 29,612 tons in 2005 to 8,805 tons in 2006, a decrease of 70%. This was primarily due to the lack of surface impoundment waste cleanup in 2006. Non-wastewater hazardous waste amounts actually increased though 13% from 7,622 tons in 2005 to 8,804 tons in 2006.

This year, only two of the six hazardous waste categories listed on the front page show increases from 2005 amounts and four of the six categories show a reduction from 2005 amounts.

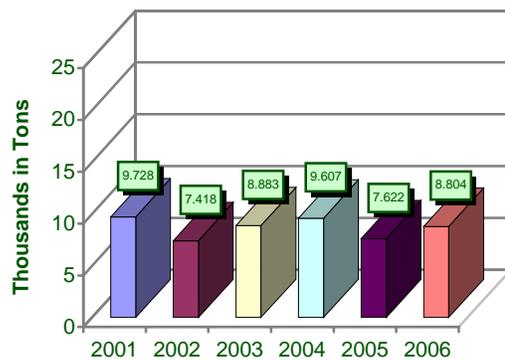
The two categories reflecting an increase are TSD Wastes, and Other Wastes. The four categories reflecting a decrease are Characteristic Wastes, Solvent Wastes, Mixed Wastes, and Remediation Wastes.

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
2001-2006**



**Non-wastewater Hazardous Waste Generation
Per Year in Idaho**



WASTE IMPORTED INTO IDAHO IN 2006

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 2006, US Ecology Idaho received 569,820 tons of waste, a decrease of 2% from the 583,075 tons received during 2005. Most of the waste (568,176 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 254,280 tons for disposal in 2006. Idaho generators sent 1,644 (<1%) tons to US Ecology Idaho in 2006. The chart on the following page details the various states and amount of waste they shipped to US Ecology Idaho in 2006.

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 2006 (TONS)

STATE	RANK	RCRA	PCB	NON-HAZ	2006 TOTAL	% OF TOTAL	2005 TOTAL
NJ	1	244,083.0	0.0	10,197.1	254,280.1	44.624	36,306.3
MO	2	0.24	72.1	104,725.4	104,797.8	18.391	150,853.7
NY	3	12,173.6	0.0	46,693.4	58,867.0	10.331	171,892.8
NE	4	24,453.2	0.0	0.0	24,453.2	4.291	24,696.4
OK	5	0.0	12.9	23,035.0	23,047.8	4.045	61,894.7
OR	6	18,580.3	2.0	3,152.4	21,734.7	3.814	16,165.4
CO	7	420.2	4.4	19,460.0	19,884.6	3.490	75,574.6
UT	8	15,747.9	12.6	1,812.8	17,573.2	3.084	16,929.9
CA	9	1,367.7	19.4	10,777.1	12,164.2	2.135	1,762.0
NV	10	618.5	0.0	9,695.0	10,313.6	1.810	3,914.4
WA	11	4,932.6	724.7	668.0	6,325.4	1.110	6,951.9
OH	12	0.8	0.0	5,891.7	5,892.5	1.034	5.9
SD	13	1.0	3,451.3	0.0	3,452.4	0.606	1,087.4
TX	14	3,087.7	0.0	215.3	3,303.0	0.580	2,835.8
ID	15	698.7	69.4	875.9	1,644.0	0.289	4,731.5
ND	16	6.2	18.8	562.8	587.9	0.103	1,479.9
MT	17	118.4	127.7	320.6	566.6	0.099	452.2
MN	18	0.0	0.0	306.3	306.3	0.054	602.9
AK	19	94.8	35.5	167.7	298.0	0.052	849.6
CAN*	20	0.0	0.0	159.0	159.0	0.028	56.4
WY	21	19.0	1.5	32.0	52.5	0.009	153.0
PA	22	15.2	0.0	19.5	34.7	0.006	9.5
MD	23	0.0	0.0	29.2	29.2	0.005	271.4
LA	24	1.8	0.0	14.3	16.1	0.003	10.9
AL	25	0.0	0.0	13.2	13.2	0.002	0.0
IN	26	0.0	0.0	10.0	10.0	0.001	0.0
VA	27	0.0	0.0	6.1	6.1	0.001	0.0
IL	28	0.0	0.0	2.2	2.2	0.000	2,213.8
NC	29	0.0	0.0	1.2	1.3	0.000	0.0
KS	30	0.0	0.0	0.9	0.9	0.000	0.0
NM	31	0.0	0.0	0.8	0.8	0.000	0.9
SC	32	0.0	0.0	0.6	0.6	0.000	199.6
GA	33	0.0	0.0	0.5	0.5	0.000	0.0
AR	34	0.0	0.0	0.3	0.3	0.000	0.0
AZ	35	0.0	0.0	0.1	0.1	0.000	0.0
FL*	N/A	0.0	0.0	0.0	0.0	0.000	1,171.3
DC*	N/A	0.0	0.0	0.0	0.0	0.000	1.1
WI*	N/A	0.0	0.0	0.0	0.0	0.000	0.1
TOTAL	N/A	326,421.0	4,552.4	238,846.6	569,820.0	100%	583,075.4

* Included in 2005 total, but no waste was received in 2006.

** Waste imported from Canada



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

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HAZARDOUS WASTE MANAGEMENT METHODS

Using one of the methods listed below, 9,615 tons of hazardous waste was managed in 2006. The amount of waste managed during 2006 includes the 8,805 tons generated in 2006 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	1,325	545	780
Treatment	4,170	3,719	451
Reuse/Recycle	602	18	584
Incineration	1,428	0	1,428
Other	2,090	0	2,090