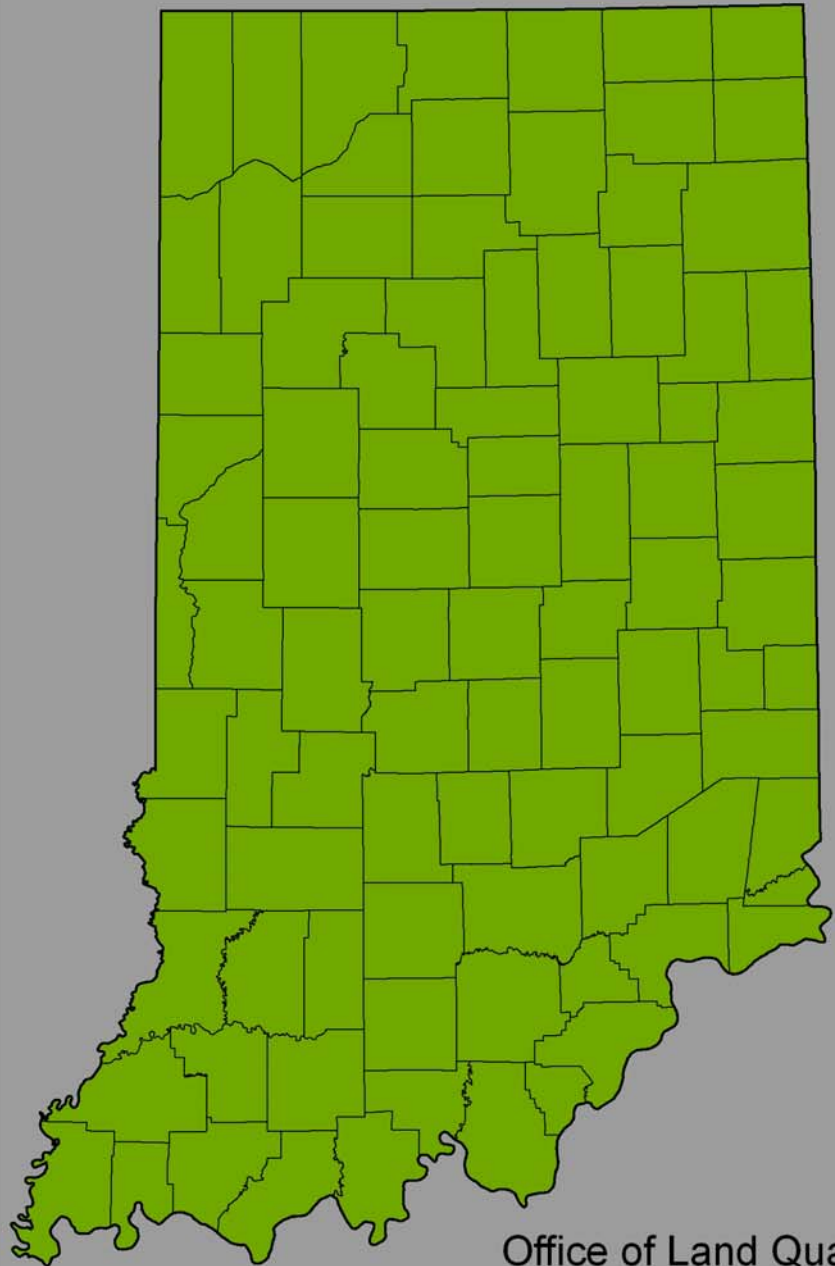


SOLID WASTE FACILITIES



2008 ANNUAL REPORT



Office of Land Quality
**Indiana Department of
Environmental Management**

The *2008 Summary of Indiana Solid Waste Facility Data* is the seventeenth in the series of annual reports of solid waste facility activities in Indiana. The information is compiled from solid waste facility quarterly reports submitted to the Indiana Department of Environmental Management (IDEM). The IDEM Office of Land Quality publishes the *2008 Summary of Indiana Solid Waste Facility Data* to provide information to the public about solid waste processing and disposal activities in Indiana. This report was prepared by staff of the Data Services Section.

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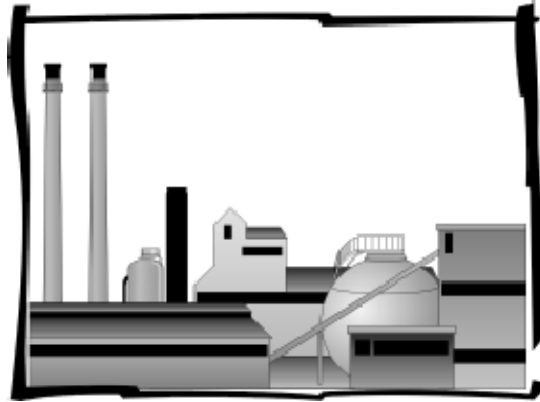
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Introduction

This report is the seventeenth annual summary of Indiana's solid waste facility data. It is intended to provide information about Indiana's solid waste management. The report provides solid waste facility information for 2008 and contains:

- a summary of existing solid waste facilities;
- a summary of the amount, origin, and types of solid waste received at land disposal facilities and processing facilities; and
- a summary of out-of-state waste imports.



Previous reports summarized municipal solid waste (MSW) landfill capacity from amounts reported by facilities or from estimates made by IDEM. Beginning in 1996, landfills were required by regulation to submit contour maps annually based on surveys conducted between October 1 and December 31 of each year. IDEM uses this information to calculate totals for both airspace and waste capacity. Beginning in 2007, landfills are now required to conduct surveys between December 1 and March 31, and submit the maps to IDEM June 15. This information can be found beginning on page 37.

This report was compiled from the solid waste facility quarterly reports submitted to IDEM by owners and operators of facilities that manage non-hazardous solid waste. Rules passed by the Solid Waste Management Board require all solid waste land disposal facilities (329 IAC 10-14-1) and processing facilities (329 IAC 11-14-1) to submit information to IDEM on a quarterly basis describing the origin, type, and amount of solid waste received by these facilities. Processing facilities must also report the amounts and destinations of waste transported off-site for recovery or disposal. Reports submitted to IDEM are on file and available for public review. See Table 1 for details.

This report emphasizes graphs, tables, and figures. Discussion text is included only as necessary to guide the reader through the report and to provide a context for the graphs and tables. Several sections that were included in previous releases of this report are not present in this year's report. Much of the information in these sections has been duplicated from year to year and/or is available in other IDEM publications. Table 1 shows how to obtain this information in addition to other information that may interest readers of this report.

Prior to 1996, facilities reported non-municipal waste only as Construction-Demolition Waste and Special/Other Waste. In 1996, IDEM added categories for Special Waste, which included Foundry Wastes and Other Special Wastes, for Coal Ash, and for Flue Gas Desulfurization by-products. Legislation enacted since the beginning of the period covered by the *2000 Summary of Indiana Solid Waste Facility Data* report eliminated Special Waste as a classification. To reflect this, Foundry Wastes, which was previously reported under Special Waste, is retained as a separate category under its own name. Other Special Wastes is no longer a separate sub-category. Any waste previously classified as Special Waste or Industrial Waste that does not fit any of the existing available categories is reported now under the category Other Waste. Coal Ash and Flue Gas Desulfurization are retained as classifications. Because of the changes in classification types through the years covered by the *2008 Summary of Indiana Solid Waste Facility Data* report, information for disposal by waste type by year will continue to be grouped as municipal waste and non-municipal waste to make comparisons among years meaningful.

Table 1.
Sources of Solid Waste Data

Information Available	Description	Contact
Land disposal facility quarterly reports	Origin, type, and tonnage of solid waste received.*	Michelle Weddle (317) 233-4624
Processing facility quarterly reports	Origin, type, and tonnage of solid waste received and destination information.*	Michelle Weddle (317) 233-4624
Composting facility annual reports	Type and volume of compost received and processed*	Michelle Weddle (317) 233-4624
Transfer station inspection annual reports	Results from inspections of incoming waste.	Nannette Landes (317) 308-3040
Waste tire storage facility processors and transporters annual reports	On-site summary of incoming and outgoing tires.	Debby Baker (317) 232-0066
Tire dump sites and inspections of waste tire management operations	Information on illegal tire dump sites and progress of clean-up operations.	Anne Weinkauf (317) 308-3019
Indiana MSW landfill disposal capacity reports	Remaining air space and disposal space at Indiana land disposal facilities.	Lara Vallely (317) 233-1521
Solid waste management fee reports (IDOR)	Monthly reports showing fees collected for solid waste disposed at final disposal facilities.	Bob McGurer (317) 615-2590
Solid waste disposal fee reports (IDEM)	Semi-annual reports showing fees collected for the disposal of specific types of solid waste.	Nick Staller (317) 234-3478
Solid waste management district annual reports	Information on district programs and activities.	Monica Hartke-Tarr (317) 233-5431
Permitted solid waste facilities list	List of permitted solid waste facilities in Indiana.*	Debby Baker (317) 232-0066

* Online search and/or data download available at: <http://www.IN.gov/idem/4998.htm>

Solid Waste Data Framework

Several factors must be considered when discussing solid waste disposal in Indiana:

- type and quantity of the waste disposed;
- type and ownership of the facility that received the waste; and
- origin of the waste received.

The following pages give an overview of key concepts necessary for understanding solid waste disposal data.

Solid Waste Types

Solid waste can be categorized broadly as either hazardous waste or non-hazardous waste. This report deals only with **non-hazardous waste**, which can be further broken down into municipal solid waste and all other non-hazardous solid waste. **Municipal solid waste**, or MSW, is any solid waste generated by community activities or the operation of residential or commercial establishments (329 IAC 10-2-115). Prior to 1996, non-hazardous waste that is not MSW was subdivided into **construction-demolition debris**, **special waste**, and **other non-municipal waste types**. In 1996, the categories **foundry**, **coal ash**, and **flue gas desulfurization (FGD) waste** were added to provide more detailed waste information. Legislation enacted since the beginning of the period covered by the *2000 Summary of Indiana Solid Waste Facility Data* report eliminated Special Waste as a classification, as discussed in the **Introduction** to this report. Figure 1 shows the current solid waste categories. Table 2 provides more detailed explanations of these waste types.

Solid Waste Facilities

Solid waste facilities in Indiana fall into two broad permit categories: land disposal facilities and processing facilities. **Land disposal facilities** are subdivided further into four types: municipal solid waste landfills, construction-demolition sites, restricted waste sites (types 1 through 4), and non-municipal solid waste landfills. **Solid waste processing facilities** permitted by IDEM can be incinerators, transfer stations, solid waste balers, solid waste shredders, resource recovery systems, or garbage grinding facilities (329 IAC 11-2-43). Table 3 summarizes the number of permitted solid waste facilities that submitted data reports to IDEM during 2008. Table 4 describes the types of waste each facility type may receive.

● Land Disposal Facilities

Municipal solid waste landfills (MSWLFs) can accept a wide range of solid wastes disposed from residential, commercial, institutional, and industrial sources, except hazardous waste regulated under 329 IAC 3.1. Of the four landfill types, only MSWLFs can accept municipal solid wastes (Table 4).

Construction-demolition sites accept only construction or demolition waste materials (329 IAC 10-9-3).

Figure 1.
Current Solid Waste Categories for Facility Quarterly Reports

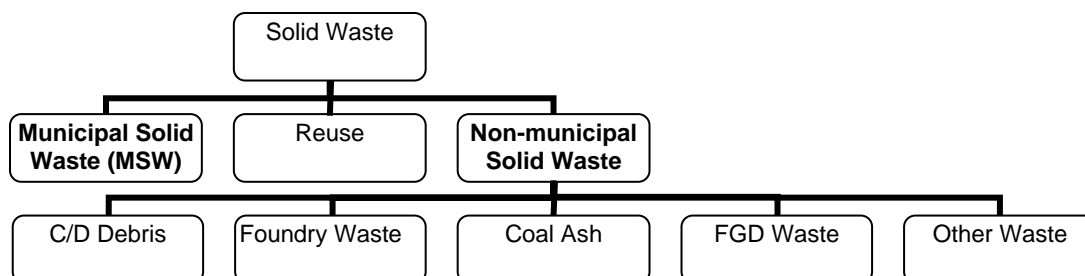


Table 2.
Solid Waste Classification Guide

TYPE	GENERAL CATEGORIES	EXAMPLES	
Municipal Solid Waste (MSW)	Residential - Single- and multi-family units - Other (campgrounds, parks, etc.) Commercial - Retail and wholesale - Service industry Institutional - Prisons, hospitals, schools, and universities - Government sector Industrial non-process - Offices, lunchrooms, restrooms	- Consumer goods - Packaging wastes - Food wastes - Office wastes - Yard trimmings / vegetation - Appliances - Automobile parts - Rinsed pesticide containers - Small animal carcasses - Household medical wastes - Household hazardous wastes (includes oil, batteries, etc.) - CESQG wastes	- Treated infectious wastes - Medical wastes - Waste tires - Used pallets - Cardboard - Furniture - Exempt other wastes (generated by a single generator in quantities less than 100 kilograms per month and disposed of in quantities less than 100 kilograms per shipment)
C/D Debris	Construction / Demolition - Construction industry - Demolition companies	- Untaminated solid waste resulting from the construction, remodeling, repair or demolition of structures (e.g.: scrap lumber, wallboard) - Non-asbestos insulation	- Roofing materials - Plumbing and electrical fixtures - Bricks, concrete, glass
Foundry	Foundry Waste	- Waste sand, slag, sludge, core waste, dust fines, etc.	
Coal Ash	Coal Ash	- Coal ash - Fly ash, bottom ash, etc. - Ash resulting from the combustion of coal	
FGD Waste	Flue Gas Desulfurization Byproducts	- Scrubber / FGD sludge - Pollution control sludge resulting from coal combustion	
Other	Other - Any other non-municipal solid waste not classified as C/D debris, foundry, coal ash, or FGD waste	- Manufacturing process wastes (resins, oxides, non-coal combustion sludge, etc.) - Asbestos-containing wastes - Pollution control, spill cleanup wastes	- Oil / gas/ mining wastes - Incinerator residues - Low-level PCB wastes - Railroad ties
Reuse (landfills only)	Reuse - Waste utilized for construction in a landfill	- Alternate daily cover - Road construction - Landscaping mulch	- Leachate collection system construction

CESQG = conditionally exempt small quantity generator PCB = polychlorinated biphenyl FGD = flue gas desulfurization

Table 3.
Number of Permitted Solid Waste Facilities Operating During 2008

A. Land Disposal Facilities		B. Processing Facilities	
Municipal Solid Waste Landfills	35	Solid Waste Incinerators⁽⁴⁾	2
• Privately Owned	25	• Municipal	1
• Publicly Owned ⁽¹⁾	10	• Industrial ⁽³⁾	1
Construction-Demolition Sites⁽¹⁾	7	Transfer Stations	70
• Privately Owned	5	• Privately Owned ⁽⁵⁾	54
• Publicly Owned	2	• Publicly Owned	16
Restricted Waste Sites⁽²⁾	19	TOTAL	72
Non-municipal Solid Waste Landfills⁽³⁾	2		
TOTAL	63		

(1) Some facilities are captive sites.
 (2) Most facilities are captive sites.
 (3) Facilities are captive sites.

(4) Incinerators designed to accept at least ten tons solid waste or seven tons infectious waste per day.
 (5) Nine of the facilities are classified as other processing facilities.

Table 4.
Types of Land Disposal Facilities and Incinerators

A. Land Disposal Facilities		
Type	Acceptable Wastes	Data reported to IDEM
Municipal Solid Waste Landfill	Municipal waste, construction-demolition debris, other non-municipal wastes	Yes
Construction-Demolition Site	Construction-demolition debris only (unless otherwise approved by IDEM)	Yes
Restricted Waste Site	Non-municipal waste(s) specified in permit	Yes
Non-municipal Solid Waste Landfill	Wastes other than residential and commercial wastes	Yes
B. Incinerators		
Type	Acceptable Wastes	Data reported to IDEM
Large solid waste	Municipal waste, construction-demolition debris, other non-municipal wastes	Yes
Small solid waste ⁽¹⁾	Municipal waste, construction-demolition debris, other non-municipal wastes	No
Large infectious waste	Infectious waste (may also accept certain non-infectious waste)	Yes
Small infectious waste ⁽²⁾	Infectious waste (may also accept certain non-infectious waste)	No

(1) Incinerators designed to accept less than 10 tons per day (329 IAC 11-19-2).
 (2) Incinerators designed to accept less than 7 tons per day (329 IAC 11-19-2).

Restricted waste sites can accept only materials specified in their landfill permits as determined by the classification criteria in 329 IAC 10-9-4. Coal combustion by-products comprise the largest portion of the waste tonnage disposed at restricted waste sites.

Like restricted waste sites, **non-municipal solid waste landfills** can accept only materials specified in their landfill permits. But non-municipal solid waste landfills have more stringent design standards than restricted waste sites. Most of Indiana's non-municipal solid waste landfills are currently captive facilities and therefore, are not available for public use.

In addition to the facility standards discussed here, each individual site may dispose of other materials not included in the above definitions according to its permit.

● **Processing Facilities**

The term incinerator is defined broadly as an engineered facility designed to burn solid waste under controlled conditions. As Table 4 shows, incinerators in Indiana are categorized and regulated as either solid waste incinerators or infectious waste incinerators.

Solid waste incinerators with a design capacity of at least 10 tons per day and infectious waste incinerators with a design capacity of at least 7 tons per day must obtain a solid waste permit under Indiana solid waste rules 329 IAC 11-9 and 329 IAC 11-17. Other incinerators must notify IDEM and comply with certain operational requirements as stated in 329 IAC 11-19-2 and are deemed to be permitted.

Although incinerators are permitted and regulated under the category of processing facilities, they are considered to be final disposal facilities for planning and disposal fee purposes, as evident in statutory language. The disposal reduction goal language of P.L. 10-1990 also categorizes incineration as a final disposal method.

A **transfer station** is a facility at which solid waste is transferred from a vehicle or container to another vehicle or container for transportation purposes (329 IAC 11-2-47). Transfer stations may manage

materials in other ways according to their individual permits. For example, activities at a permitted transfer station may involve only the consolidation of waste loads for further transport, or may also incorporate some form of materials recovery, during which recyclables are segregated for recycling or reuse.

Tire, paper, and medical waste processing sites also are defined as processing facilities by statute. In 2008, nine of these processing facilities were in operation during the year.

● **Accuracy of Facility Reports**

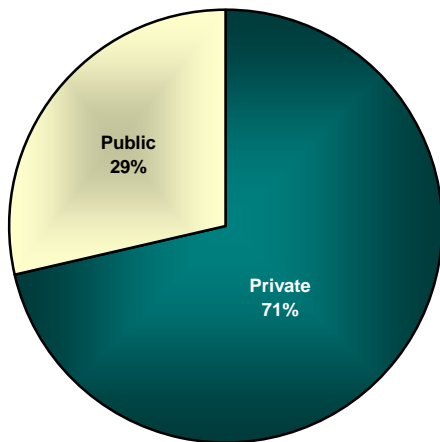
IDEM conservatively estimates that municipal solid waste tonnages may be over-reported by 20 to 40 percent due to some loads of municipal solid waste being mixed with non-municipal solid waste but identified only as municipal solid waste. According to studies in other states, construction-demolition wastes alone can constitute as much as one-third of municipal solid waste. The portion of municipal solid waste that is actually other non-municipal waste is unknown. Because of these uncertainties, caution should be used when attempting to draw conclusions regarding exact amounts of particular waste types.

● Municipal Solid Waste Landfill Ownership

Since the facility quarterly report program began in 1991, more of Indiana MSW landfills have been owned privately than owned publicly (Table 3). Figure 2 shows the percentages of private and public ownership of MSW landfills in 2008.

Most construction-demolition sites and restricted waste sites are privately owned. About seventy-seven percent of Indiana's transfer stations and other permitted processing facilities are privately owned.

Figure 2.
Municipal Solid Waste Landfill Ownership by Percent During 2008



Note: For 2008, there are 10 publicly owned facilities and 25 privately owned facilities.

Origin of Waste

Origin of waste can be broken down by state and by county. A discussion of out-of-state waste is provided beginning on page 28.

Determination of the point of origin of waste by county is difficult due to the manner in which waste is collected and transported to landfills. Waste collection vehicles may transport the waste directly to a landfill and the hauler will report to the landfill operator the county of origin. If the waste collection routes include more than one county as points of origin, the hauler is required to report an estimated percentage of waste for each county to the landfill owner/operator. Furthermore, IDEM guidance instructs land disposal facilities to list the origin of waste received from transfer stations as the county in which the transfer station is located. The extent to which this actually occurs, however, is unknown.

Some waste collection vehicles transport waste to a transfer station, where the hauler is required to report the county (or counties) of origin. The waste received at the transfer station may be commingled with waste from other waste collection vehicles. All or part of the commingled waste may then go to one or more landfills, incinerators, transfer stations, or recycling/processing facilities, where the origin typically is reported as being the county in which the transfer station is located. Figure 3 illustrates the variety of paths that waste can take after it is collected.

In summary, the county identified on some quarterly reports may not be the point of origin, but in fact a transfer point for the waste before it is delivered to the landfill. Table 5 lists estimated amounts disposed at Indiana facilities by county of origin.

Figure 3.
Waste Disposal Pathways

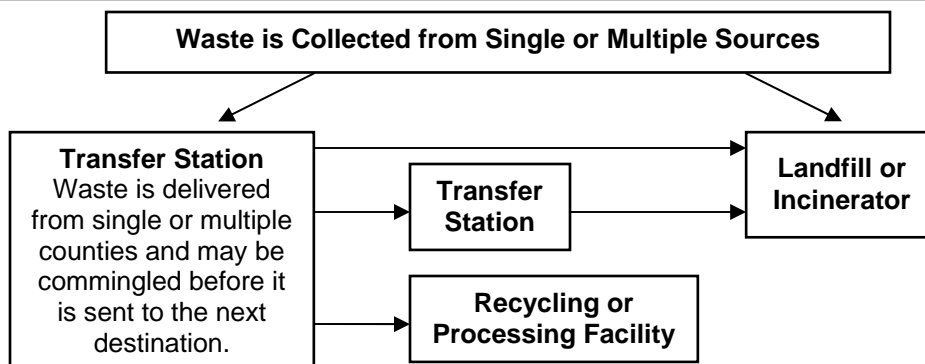


Table 5.
Waste Tons Disposed in Indiana⁽¹⁾, by Estimated County of Origin

County	2000	2001	2002	2003	2004	2005	2006	2007	2008
Adams	35,183	31,835	36,833	47,406	49,534	47,729	47,708	37,876	36,773
Allen	563,565	529,213	475,877	493,847	495,951	471,596	557,997	481,459	491,767
Bartholomew	168,640	138,449	144,879	103,590	91,640	103,597	100,761	105,604	138,342
Benton	1,768	2,342	2,179	1,949	1,191	1,153	694	507	1,105
Blackford	18,025	15,813	17,597	31,461	24,582	26,341	25,342	21,918	12,092
Boone	79,787	67,908	82,369	69,514	66,930	66,016	95,349	69,834	65,122
Brown	5,680	5,009	4,240	5,563	6,041	7,933	7,879	7,955	7,893
Carroll	21,530	24,437	21,492	20,820	18,698	15,072	14,085	16,213	18,149
Cass	44,244	58,014	44,333	49,415	48,479	43,385	47,754	43,962	43,275
Clark	98,511	89,357	79,744	73,544	88,358	107,665	113,052	130,649	129,640
Clay	28,258	19,236	22,715	23,013	26,429	25,852	25,245	24,447	30,807
Clinton	49,343	48,602	48,716	45,607	51,854	51,856	42,331	41,543	42,250
Crawford	1,412	1,299	1,361	1,223	1,861	6,081	2,523	5,279	3,122
Daviess	33,003	24,943	23,028	27,316	24,477	29,211	28,096	34,424	38,447
Dearborn	9,124	895	1,555	1,198	509	512	839	1,010	1,535
Decatur	28,521	31,507	30,840	33,129	30,451	28,658	34,751	35,180	34,045
DeKalb	151,427	139,531	152,390	126,868	51,236	41,314	58,416	40,202	36,625
Delaware	154,664	139,272	154,054	148,748	164,217	153,745	149,093	142,089	148,336
Dubois	57,241	58,420	37,615	43,161	63,088	62,581	57,651	55,297	47,286
Elkhart	413,623	396,569	373,738	384,136	408,603	433,305	453,693	409,835	356,994
Fayette	17,493	17,969	19,224	20,820	19,907	18,857	18,536	18,920	17,942
Floyd	56,326	49,136	32,263	29,586	25,370	22,516	22,609	29,643	28,871
County	2000	2001	2002	2003	2004	2005	2006	2007	2008
Fountain	44,952	54,349	55,323	52,168	71,542	95,361	99,562	135,358	133,444
Franklin	5,468	7,804	6,532	5,562	6,071	8,067	7,699	7,052	8,823
Fulton	39,723	34,502	25,096	27,309	32,553	30,236	30,989	28,616	29,337
Gibson	1,038,734	1,102,377	1,212,387	1,001,323	1,026,286	1,012,977	120,217	895,727	1,173,388
Grant	86,924	91,298	82,840	80,030	81,485	87,506	87,342	83,934	70,572
Greene	24,112	21,758	25,024	27,281	26,566	24,600	22,438	22,613	27,226
Hamilton	168,933	164,178	197,831	231,298	265,622	303,887	306,424	278,876	243,930
Hancock	120,722	103,938	121,638	116,343	89,672	88,072	102,137	80,644	85,947
Harrison	473	1,825	3,080	28,817	2,582	4,756	6,031	6,576	5,822
Hendricks	151,346	144,364	190,277	216,369	242,244	244,592	274,699	276,635	283,136
Henry	62,868	65,101	66,298	62,376	71,183	63,308	58,367	75,314	60,195
Howard	188,929	161,842	140,215	147,439	103,928	113,074	114,407	115,653	128,547
Huntington	41,292	62,478	61,618	44,952	42,924	41,796	51,362	44,255	41,728
Jackson	59,808	58,622	61,142	54,063	63,712	65,653	62,787	61,447	54,566
Jasper	168,003	163,210	174,913	181,972	176,349	203,323	187,279	202,477	182,153
Jay	23,032	25,997	32,009	28,084	21,768	23,012	25,638	23,708	23,596
Jefferson	126,774	111,541	144,881	105,274	114,109	148,744	175,037	112,663	109,593
Jennings	19,987	23,374	21,987	22,190	22,400	31,861	37,274	30,849	26,421
Johnson	161,435	176,820	186,809	197,351	178,716	188,847	209,939	193,967	187,977
Knox	60,216	67,999	56,611	61,158	65,694	76,156	80,125	83,268	89,939
Kosciusko	226,065	203,843	177,684	227,711	190,608	192,479	180,434	168,745	152,513
Lagrange	32,846	36,015	38,842	31,973	35,459	37,856	34,540	29,915	25,431
Lake	1,100,952	1,099,149	1,112,574	1,034,327	1,179,381	1,321,724	1,487,764	1,404,194	1,452,363
La Porte	128,926	110,455	141,069	115,806	100,504	103,593	108,926	114,893	132,551
Lawrence	57,211	72,008	49,951	62,595	85,099	65,515	46,644	41,765	52,585

County	2000	2001	2002	2003	2004	2005	2006	2007	2008
Madison	171,067	187,423	169,789	185,259	174,710	173,199	180,672	153,627	168,210
Marion	1,556,981	1,722,697	1,621,430	1,893,804	1,874,188	1,917,536	2,000,563	1,961,447	1,736,902
Marshall	97,969	83,882	87,323	81,106	88,344	85,457	82,277	75,272	74,218
Martin	14,916	15,899	18,136	13,020	19,644	19,138	17,800	13,723	14,345
Miami	42,320	43,549	37,493	39,547	44,758	41,670	32,815	29,829	27,269
Monroe	137,420	141,150	147,720	172,384	156,988	138,180	146,126	159,968	156,476
Montgomery	168,214	81,208	170,940	211,258	226,916	114,328	146,579	132,669	127,842
Morgan	65,400	58,946	60,120	63,295	43,167	47,672	39,042	41,604	44,672
Newton	12,616	13,313	11,907	14,777	16,256	13,604	11,896	11,584	12,739
Noble	114,368	97,152	86,829	90,233	95,305	73,562	76,754	73,587	91,948
Ohio	250	65	53	44	75	253	57	0	1,607
Orange	19,162	19,457	17,902	16,746	19,099	22,643	31,341	20,599	20,921
Owen	9,817	10,894	14,026	8,320	9,961	13,467	13,845	10,264	12,239
Parke	11,278	11,050	9,494	8,199	9,444	9,669	7,685	6,518	17,749
Perry	152,844	143,950	166,205	164,654	181,933	197,658	199,243	190,293	82,612
Pike	18,273	17,701	18,299	13,199	18,106	14,130	15,165	10,285	14,070
Porter	106,677	107,780	93,501	83,851	85,197	93,278	104,723	95,202	106,800
Posey	288,486	304,732	297,264	253,299	286,909	302,785	321,587	314,255	328,347
Pulaski	6,443	7,239	8,768	6,935	6,246	6,873	6,501	8,395	6,795
Putnam	36,378	37,544	33,995	38,407	34,017	34,914	32,945	31,482	37,260
Randolph	24,829	45,917	26,942	28,748	26,521	25,462	53,367	60,435	36,455
Ripley	11,593	8,610	12,237	13,869	12,550	12,715	13,405	14,656	16,341
Rush	26,615	25,008	26,713	29,382	31,259	36,508	49,418	17,531	15,243

County	2000	2001	2002	2003	2004	2005	2006	2007	2008
St. Joseph	217,838	207,146	176,815	190,566	201,008	194,160	193,756	180,491	176,448
Scott	24,788	20,684	20,778	21,767	20,493	19,170	21,241	21,020	19,550
Shelby	113,831	106,111	111,123	95,409	70,773	77,664	83,160	77,264	75,111
Spencer	207,722	240,580	178,226	216,862	221,719	450,651	635,215	403,982	463,182
Starke	8,203	5,888	7,672	9,015	9,806	10,096	9,737	9,913	9,211
Steuben	26,925	27,857	28,580	24,108	29,561	26,141	28,046	24,010	21,356
Sullivan	948,941	923,428	865,330	870,591	792,373	939,195	905,194	922,797	933,979
Switzerland	1,239	2,880	4,479	4,138	598	552	234	2,540	242
Tippecanoe	204,184	201,480	208,180	203,302	193,763	181,978	214,449	203,884	192,946
Tipton	12,555	13,843	16,417	15,613	39,548	15,084	12,504	12,225	11,747
Union	2,168	2,253	2,525	3,090	2,333	3,758	3,419	4,029	3,265
Vanderburgh	252,567	270,480	265,421	279,354	290,034	305,241	299,510	289,938	273,017
Vermillion	36,423	29,642	30,882	36,621	41,667	40,480	37,117	29,118	109,260
Vigo	212,474	191,523	188,441	190,323	195,937	252,606	207,038	191,240	179,985
Wabash	215,805	231,323	179,477	152,034	172,079	116,660	134,494	120,982	101,797
Warren	416	235	1,988	162	52	359	67	122	1,093
Warrick	43,342	53,035	51,009	59,265	46,442	64,055	57,734	47,070	51,101
Washington	28,020	32,517	23,174	24,476	32,805	22,489	134,494	20,586	20,062
Wayne	80,310	81,963	76,149	89,016	94,325	107,280	86,817	91,351	79,016
Wells	21,800	20,652	19,688	23,282	27,161	21,666	20,230	17,798	17,410
White	28,709	27,874	27,163	25,987	32,368	28,367	25,437	26,733	34,866
Whitley	21,797	17,238	26,293	26,430	25,326	32,625	39,373	38,243	50,687

⁽¹⁾ Note: The information in Table 5 reflects the amount of waste from each county that was disposed of in an Indiana final disposal facility, either by direct haul or through an Indiana transfer station. It does not include waste disposed out-of-state, which explains the low amounts reported for counties near state lines. 1997, 1998, and 1999 data can be viewed in the 2005, 2006, and 2007 solid waste annual reports, respectively.

Solid Waste Land Disposal Facilities

The data in this annual summary reflect the information provided in the solid waste facility quarterly reports submitted to IDEM. There may be some differences between the numbers published in this summary report and previously published annual reports. These differences are due primarily to improvements in the data quality checks made by IDEM Office of Land Quality.

Table 6 displays the amount of solid waste disposed at Indiana land disposal facilities by each reported waste type during 2008. Figure 4 displays this information by landfill type, and Figure 5 by waste type

Figure 4. Disposal of Solid Waste by Landfill Type During 2008

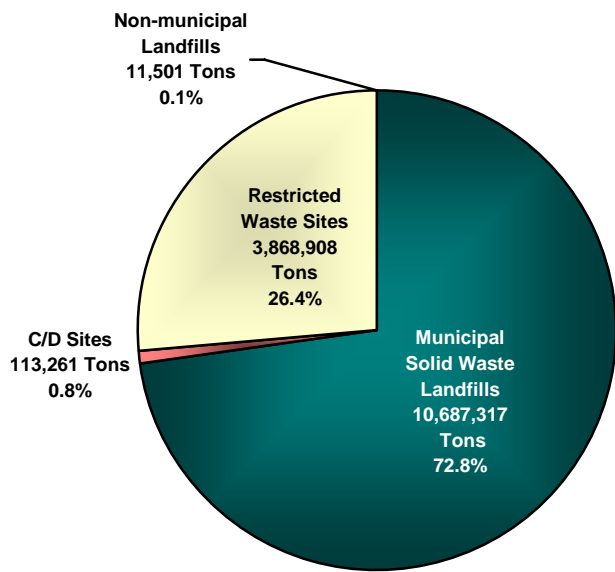
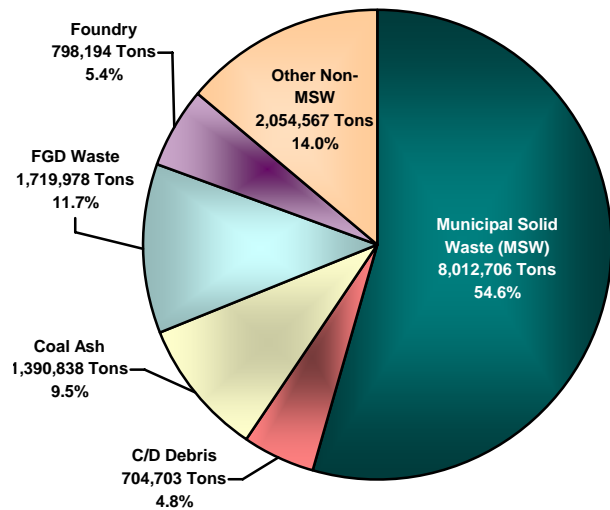


Table 6. Disposal of Solid Waste by Landfill Type and Waste Type During 2008

Waste Type	Tons of Waste Disposed					All Landfills
	Municipal Solid Waste Landfills	Construction/ Demolition Sites	Restricted Waste Sites	Non-municipal Solid Waste Landfills		
Municipal	8,012,706	0	0	0	0	8,012,706
C/D Debris	591,442	113,261	0	0	0	704,703
Coal Ash	0	0	1,390,838	0	0	1,390,838
FGD Waste	0	0	1,719,978	0	0	1,719,978
Foundry	55,666	0	740,529	1,999	0	798,194
Other NonMSW	2,027,503	0	17,562	9,502	0	2,054,567
TOTAL	10,687,317	113,261	3,868,908	11,501		14,680,986

Figure 5. Disposal of Solid Waste by Waste Type During 2008



type, both as percentages of total. Table 7 displays totals of solid waste disposed at Indiana land disposal facilities from 2000 through 2008 for municipal waste and all other waste types grouped as non-municipal waste. Table 8 shows the same information as Table 7 but excludes direct imports to Indiana landfills. Due to reporting limitations, waste originating outside Indiana that is brought into the state through an in-state transfer station and disposed in an Indiana landfill cannot be excluded from the quantities in Table 8. Figure 6 shows the municipal waste, non-municipal waste, and total disposal figures for all landfills in Tables 7 and 8 in graph form to more clearly depict disposal trends year-to-year.

Waste received at solid waste incinerators is discussed on page 25 in the chapter on processing facilities.

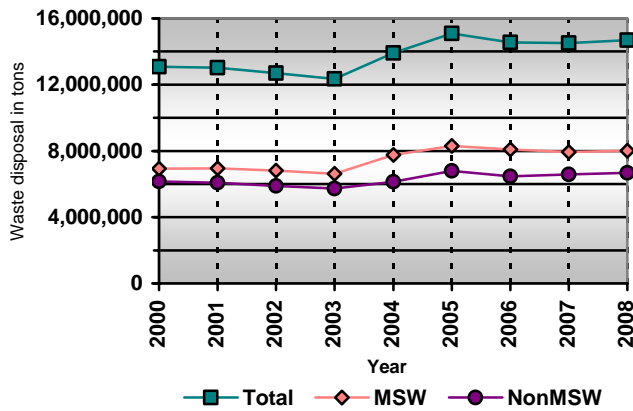
Table 7.
Annual Disposal at Solid Waste Land Disposal
Facilities by Landfill Type and Waste Type

(Includes waste imports to Indiana)

Landfill Type	Waste Type	Tons of Waste Disposed								
		2000	2001	2002	2003	2004	2005	2006	2007	2008
Municipal Solid Waste Landfills	MSW	6,928,077	6,937,485	6,804,633	6,617,491	7,767,135	8,290,669	8,077,872	7,934,325	8,012,706
	NonMSW	2,331,200	2,328,151	2,098,482	2,262,761	2,559,497	2,948,638	3,433,788	3,078,550	2,674,611
	TOTAL	9,259,277	9,265,636	8,903,115	8,880,252	10,326,632	11,239,307	11,511,660	11,012,876	10,687,317
Construction /Demolition Sites	MSW	0	0	0	0	0	0	0	0	0
	NonMSW	146,536	127,680	118,664	170,149	350,291	278,611	146,562	122,366	113,261
	TOTAL	146,536	127,680	118,664	170,149	350,291	278,611	146,562	122,366	113,261
Restricted Waste Sites	MSW	0	0	0	0	0	0	0	0	0
	NonMSW	3,525,067	3,551,753	3,547,708	3,263,520	3,218,770	3,556,637	2,877,133	3,372,875	3,868,908
	TOTAL	3,525,067	3,551,753	3,547,708	3,263,520	3,218,770	3,556,637	2,877,133	3,372,875	3,868,908
Non-municipal Solid Waste Landfills	MSW	0	4,381	0	0	0	0	0	0	0
	NonMSW	140,201	70,468	117,284	22,568	10,803	12,878	7,525	11,309	11,501
	TOTAL	140,201	74,849	117,284	22,568	10,803	12,878	7,525	11,309	11,501
All Landfills	MSW	6,928,077	6,941,866	6,804,633	6,617,491	7,767,135	8,290,669	8,077,872	7,934,325	8,012,706
	NonMSW	6,143,004	6,078,052	5,882,138	5,718,998	6,139,360	6,796,764	6,465,008	6,585,100	6,668,281
	TOTAL	13,071,081	13,019,918	12,686,771	12,336,489	13,906,496	15,087,433	14,542,880	14,519,425	14,680,986

Figure 6.
Annual Disposal at All Solid Waste Land Disposal Facilities

(Includes waste imports to Indiana)



(Excludes direct imports to Indiana landfills)

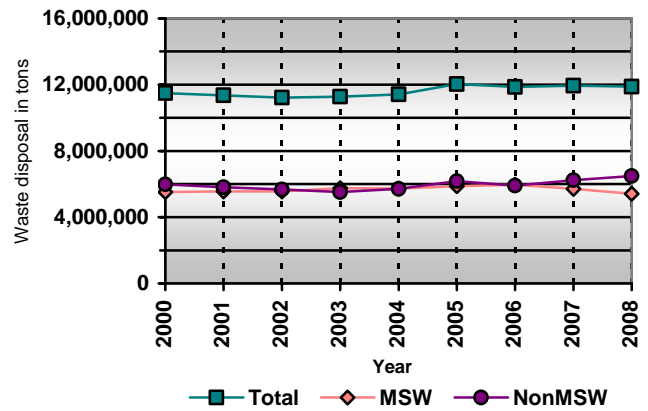


Table 8.
Annual Disposal at Solid Waste Land Disposal
Facilities by Landfill Type and Waste Type

(Excludes direct imports to Indiana landfills)

Landfill Type	Waste Type	Tons of Waste Disposed								
		2000	2001	2002	2003	2004	2005	2006	2007	2008
Municipal Solid Waste Landfills	MSW	5,515,530	5,546,617	5,555,518	5,754,129	5,719,373	5,864,329	5,950,139	5,705,769	5,410,465
	NonMSW	2,166,705	2,053,755	1,902,596	2,127,281	2,350,077	2,488,859	2,921,750	2,735,785	2,510,040
	TOTAL	7,682,235	7,600,372	7,458,114	7,881,410	8,069,450	8,353,188	8,871,889	8,443,562	7,920,505
Construction /Demolition Sites	MSW	0	0	0	0	0	0	0	0	0
	NonMSW	144,976	126,264	97,236	105,576	124,275	110,643	101,638	110,426	96,768
	TOTAL	144,976	126,264	97,236	105,576	124,275	110,643	101,638	110,426	96,768
Restricted Waste Sites	MSW	0	0	0	0	0	0	0	0	0
	NonMSW	3,525,067	3,551,753	3,547,708	3,263,521	3,218,770	3,556,637	2,877,133	3,372,875	3,858,203
	TOTAL	3,525,067	3,551,753	3,547,708	3,263,521	3,218,770	3,556,637	2,877,133	3,372,875	3,858,203
Non-municipal Solid Waste Landfills	MSW	0	4,381	0	0	0	0	0	0	0
	NonMSW	139,966	67,739	112,793	22,568	10,803	12,878	7,525	11,309	11,501
	TOTAL	139,966	72,120	112,793	22,568	10,803	12,878	7,525	11,309	11,501
All Landfills	MSW	5,515,530	5,550,998	5,555,518	5,754,129	5,719,373	5,864,329	5,950,139	5,705,769	5,410,465
	NonMSW	5,976,714	5,799,511	5,660,333	5,518,946	5,703,925	6,169,017	5,908,046	6,230,395	6,476,511
	TOTAL	11,492,244	11,350,509	11,215,851	11,273,075	11,423,298	12,033,346	11,858,185	11,936,164	11,886,977

Municipal Solid Waste Landfills

Most questions about land disposal facilities deal primarily with municipal solid waste (MSW) landfills. MSW landfills receive waste materials from residences, businesses, institutions, and industries. As a result of the wide range of waste types these landfills receive, they are built to more stringent landfill design criteria than, for example, a construction-demolition site that accepts only construction-demolition wastes. Figure 7 breaks down the amounts disposed at MSW landfills by waste type shown in Table 6 as a percentage of total waste.

Figure 7.
Disposal of Solid Waste at Municipal Solid Waste Landfills by Waste Type During 2008

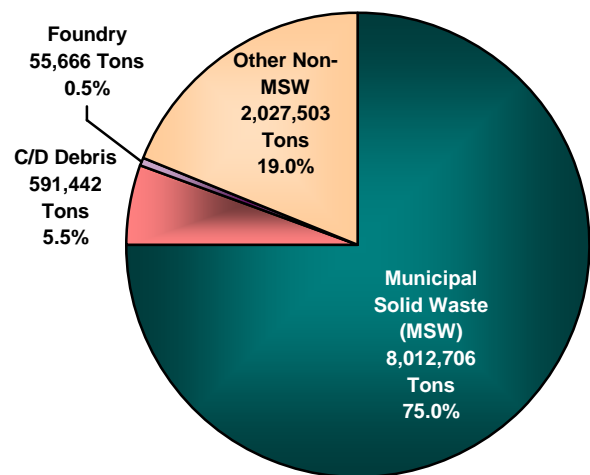
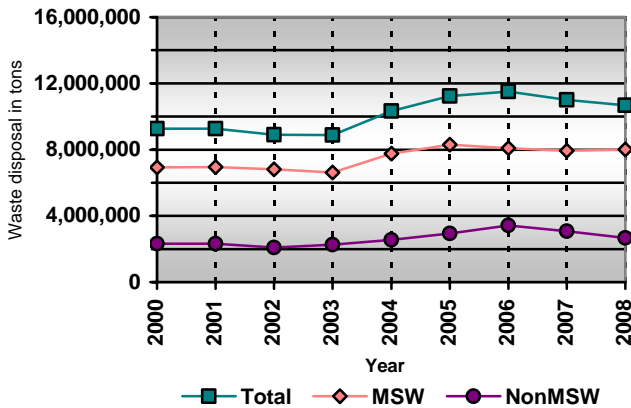


Figure 8.
Annual Disposal at Municipal Solid Waste Landfills

(Includes waste imports to Indiana)



(Excludes direct imports to Indiana landfills)

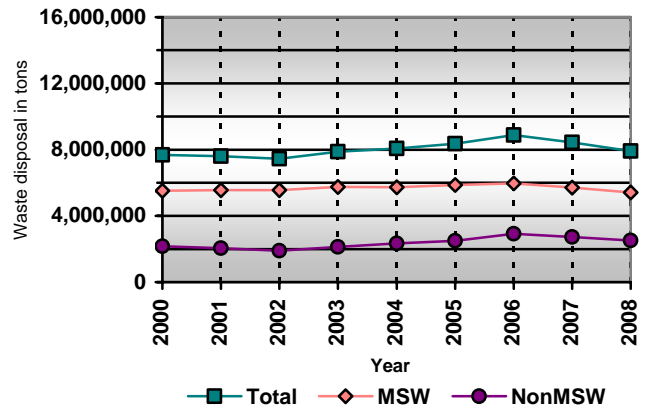


Figure 8 shows the municipal waste, non-municipal waste, and total disposal figures for MSW landfills in Tables 7 and 8 in graph form, similarly to Figure 6, which shows this for all landfills. Again, this is to more clearly depict disposal trends year-to-year.

Figure 9 shows the disposal of out-of-state waste vs. Indiana waste at MSW landfills. A more detailed discussion of out-of-state waste is provided beginning on page 28.

Figure 9.
Annual Disposal at Municipal Solid Waste Landfills by Waste Origin

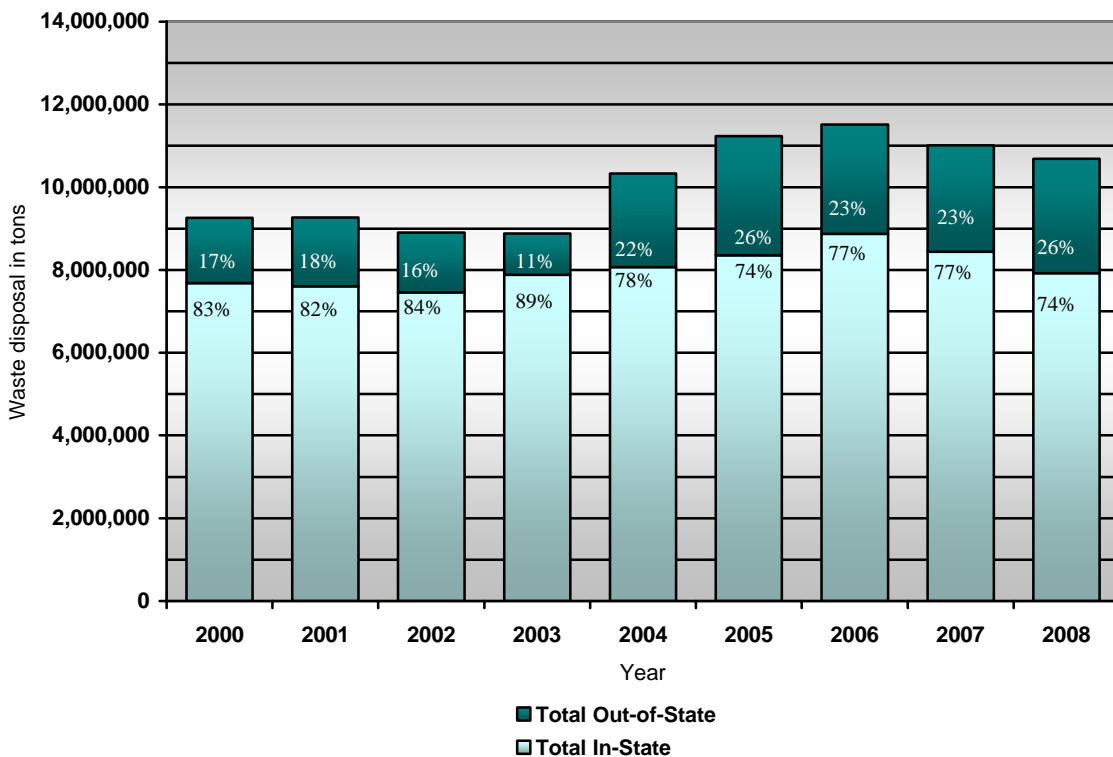


Figure 10 shows the distribution of disposal among MSW landfills. Note that 57% (or 19) of MSW landfills accepted less than 200,000 tons of solid waste.

Figure 10.
Distribution of Disposal at Municipal Solid Waste Landfills During 2008

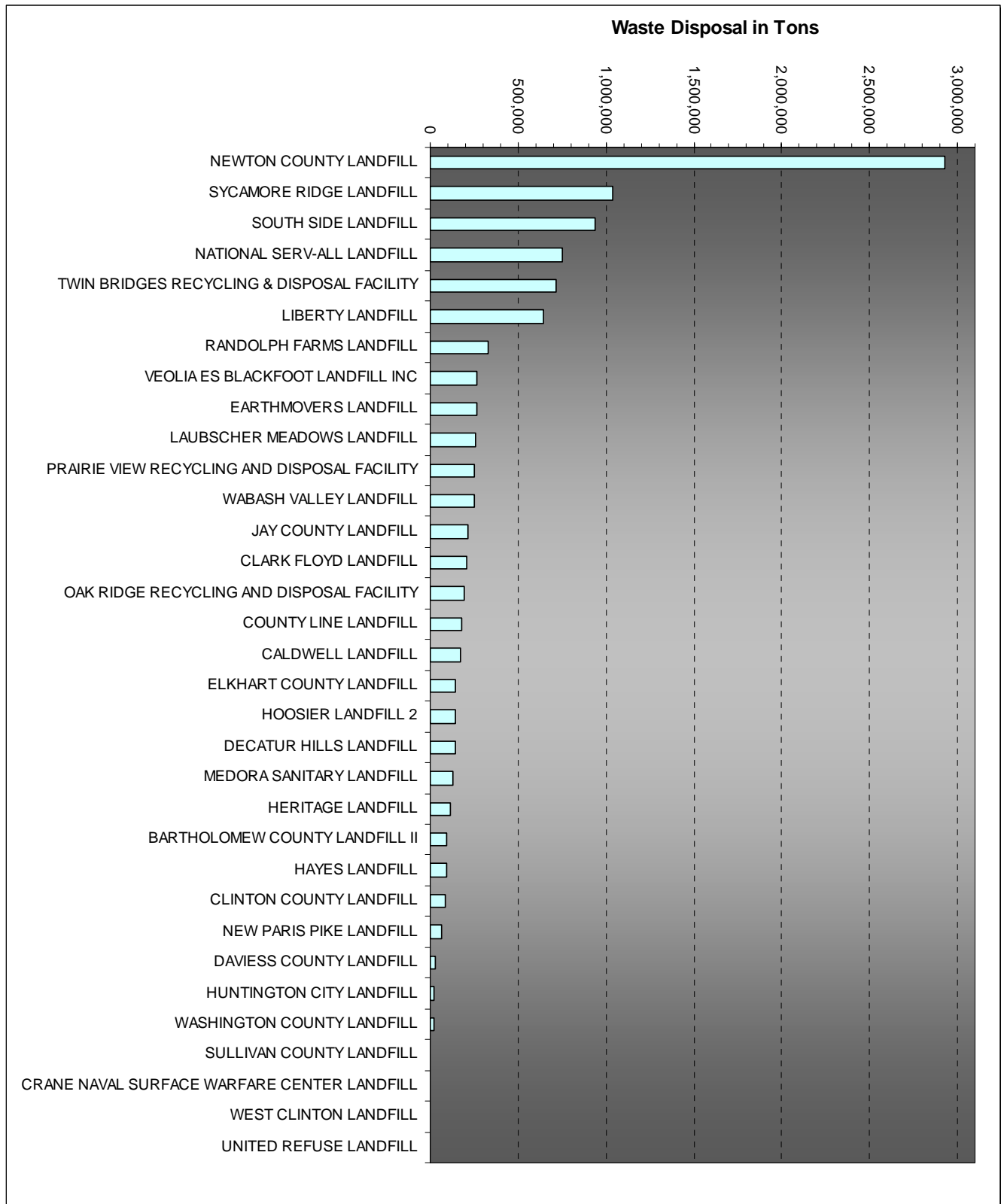


Table 9.
Total Disposal at Municipal Solid Waste Landfills During 2008

County Location of Facility	Facility Name	Waste Disposal (Tons)	Number of Operating Days	Disposal per Operating Day (Tons)
Allen	National Serve-All Landfill	750,082	309	2,427
Allen	United Refuse Landfill	14	2	7
Bartholomew	Bartholomew County Landfill II	96,284	306	315
Cass	Oak Ridge Recycling & Disposal	192,863	288	670
Clark	Clark Floyd Landfill	205,814	307	670
Clinton	Clinton County Landfill	85,604	256	334
Daviess	Daviess County Landfill	26,382	301	88
Decatur	Decatur Hills Landfill	141,865	308	461
Elkhart	Earthmovers Landfill	266,235	315	845
Elkhart	Elkhart County Landfill	146,223	290	504
Fulton	County Line Landfill	178,885	256	699
Hendricks	Twin Bridges Recycling & Disposal	716,163	310	2,310
Henry	Hayes Landfill	92,414	305	303
Huntington	Huntington City Landfill	22,860	268	85
Jackson	Medora Sanitary Landfill	127,993	308	416
Jay	Jay County Landfill	216,481	265	817
Kosciusko	Hoosier Landfill II	143,343	253	567
Marion	South Side Landfill	937,712	312	3,005
Martin	Crane Naval Surface Warfare	610	188	3
Newton	Newton County Landfill	2,926,489	308	9,502
Pike	Veolia ES Blackfoot Landfill Incorporated	266,426	307	868
Putnam	Heritage Landfill	117,666	268	439
Randolph	Randolph Farms Landfill	331,414	312	1,062
St. Joseph	Prairie View Recycling & Disposal	250,866	260	965
Shelby	Caldwell Landfill	171,352	365	469
Sullivan	Sullivan County Landfill	4,578	258	18
Vanderburgh	Laubscher Meadows Landfill	258,523	308	839
Vermillion	West Clinton Landfill	515	307	2
Vigo	Sycamore Ridge Landfill	1,035,798	308	3,363
Wabash	Wabash Valley Landfill	249,093	308	809
Washington	Washington County Landfill	19,150	277	69
Wayne	New Paris Pike Landfill	63,642	248	257
White	Liberty Landfill	643,978	308	2,091
Total for all Municipal Solid Waste Landfills		10,687,317		

Other Solid Waste Land Disposal Facilities

● Construction-Demolition Sites

Construction-demolition sites receive only construction and demolition waste as described in Table 2. These sites did not receive a significant amount of out-of-state waste until 1996, when the amount of out-of-state waste increased from 5 to 36 percent of total receipts. Percentages of out-of-state waste received by construction-demolition sites returned to their pre-1996 levels in 2000 and 2001 but increased again thereafter. Table 10 provides a listing of the construction-demolition landfills and the total amount of waste each facility received in 2008. In 2004 the total disposal at the Lake County C/D Site increased significantly from the previous year, increasing the total annual disposal at Construction-Demolition Sites (Figure 11). A total of 223,521 tons was disposed at this site in 2004, originating from Cook County, Illinois where there was a landfill closing at the end of 2003.



Figure 11.
Annual Disposal at Construction-Demolition Sites by Waste Origin

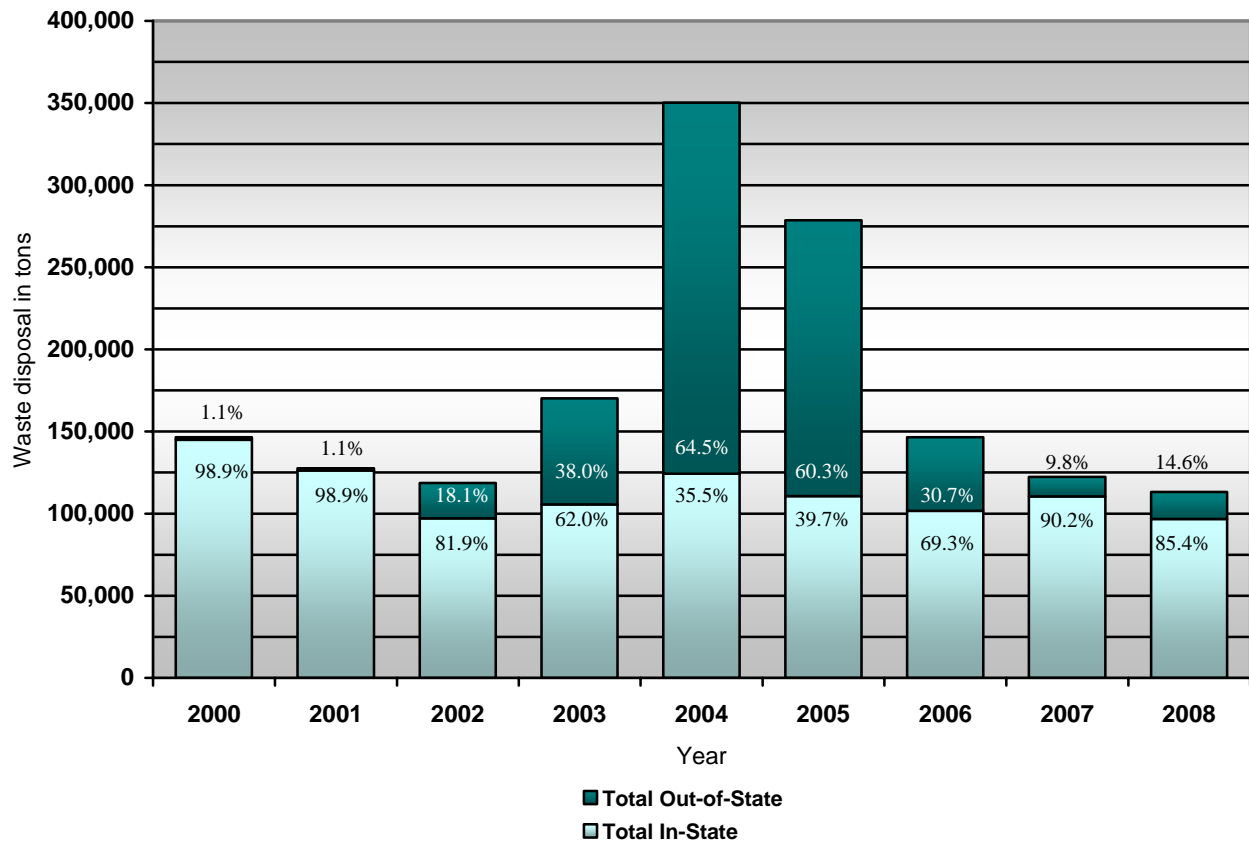


Table 10.
Total Disposal at Construction-Demolition Sites During 2008

County Location of Facility	Facility Name	Waste Disposal in Tons
Bartholomew	City Garage Construction/Demolition Disposal Site	18,571
Elkhart	Warner & Sons Inc. C/D Site	4,207
Lake	Lake County C/D Site	26,786
Martin	Crane Naval Surface Warfare Center C/D Site	284
Pike	Velpen Solid C/D Site	21,938
Posey	Springfield Environmental C/D Site	31,717
Vermillion	West Clinton II C/D Site	9,758
Total for All Construction-Demolition Sites:		113,261

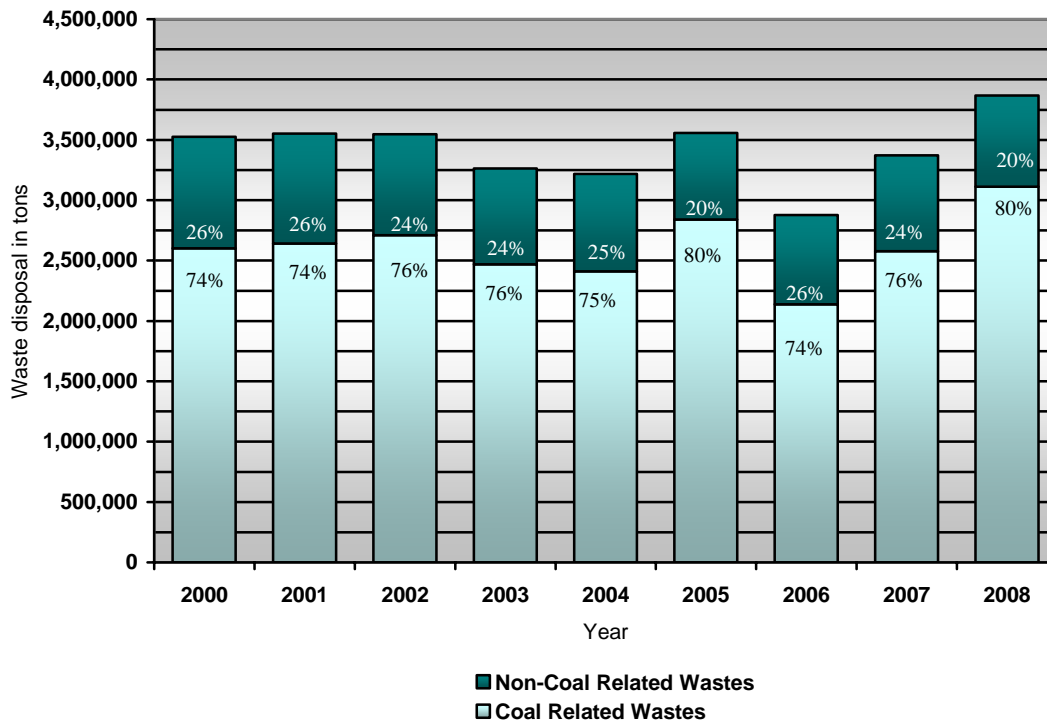
● Restricted Waste Sites

Restricted waste sites also receive a limited range of wastes, as specified in their facility permits. Most sites are ash, sludge, or foundry monofills. Coal combustion wastes from power plants accounted for 20 percent of the total tonnage disposed at restricted waste sites in 2008. Since 1996, coal combustion wastes have been reported as individual waste types on the solid waste facility quarterly reports. Before 1996, the amount of coal-related wastes disposed

was estimated based on the amount of waste received at specific types of restricted waste sites related to coal combustion.

In 2006, Gibson Station’s waste intake decreased due to beneficial reuse of materials that was used in the construction of a new landfill. This decrease is also reflected in the total for Gibson County of waste disposed in Indiana (Table 5). In 2008, waste intake at Gibson Station exceeded the level of waste intake in 2005.

Figure 12.
Annual Disposal at Restricted Waste Sites by Waste Type



The total waste disposed each year in restricted waste sites is much larger than the amount received at construction-demolition sites, although not as large as the amount of waste received by municipal solid waste landfills (Figure 4).

In 2008 Scepter RWS 1 received out of state waste. This was the first report of an Indiana restricted waste site receiving out-of-state since 1991. Table 11 provides a listing of the restricted waste sites and the total amount of waste each facility received during 2008.

Table 11.
Total Disposal at Restricted Waste Sites During 2008

County Location of Facility	Facility Name	Waste Disposal in Tons
Fountain	Harrison Steel Casting RW3	130,086
Gibson	Gibson Station Scrubber RWS 2	1,062,344
Gibson	Gibson Generating Station RWS 1 South Landfill	78,870
Jasper	R M Schahfer Generating Station RWS 1	199,732
Jefferson	Clifty Creek Coal Ash Disposal RWS 3	84,654
Knox	Scepter RWS 1	61,625
Kosciusko	Dalton Foundry RWS 2	63,555
Lake	U.S. Steel - Gary Works RWS 1	378,873
LaPorte	County Road 150 East Site	10,263
Lawrence	Lehigh Portland Cement Co RWS 1	17,030
Noble	Dalton Corporation Kendallville Mfg. Fac. Monofill RWS 3	20,558
Perry	Waupaca Foundry RWS 3	74,504
Pike	IPL Petersburg Generating Station RWS 3	1,700
Posey	Sigeco Filter Cake Disposal RWS 3	248,441
Putnam	Lone Star Industries RWS	252
Spencer	Rockport Plant Ash RWS 2	437,626
Sullivan	Merom Station RWS 2	921,744
Vermillion	Cayuga Landfill	75,985
Wabash	Ford Meter Box RWS 2	1,066
Total for All Restricted Waste Sites:		3,868,907.71

● **Non-municipal Solid Waste Landfills**

The 1996 rules introduced the terms municipal solid waste (MSW) landfill and non-municipal solid waste (Non-MSW) landfill, which have been used throughout this report. In previous reports, Non-MSW landfills were grouped with MSW landfills under the general heading of “sanitary landfills.” MSW landfills were discussed earlier in this section.

Historically there have been only a few Non-MSW landfills in Indiana, all captive facilities, not available for public use. Non-MSW landfills receive any type of waste described in Table 2 except MSW, pursuant to the specifications of their permits. Table 12 provides detail of the Non-MSW landfills operating in 2008 and the total amount of waste they received.

Table 12.
Total Disposal at Non-municipal Solid Waste Landfills During 2008

County Location of Facility	Facility Name	Waste Disposal in Tons
Monroe	Dillman Road Wastewater Treatment Plant Landfill	9,502
Wabash	Wabash Alloys Non-Municipal Solid Waste Landfill	1,999
Total for All Non-municipal Landfills:		11,501

Solid Waste Processing Facilities

Solid waste processing facilities include:

- solid waste incinerators;
- transfer stations; and
- other processing facilities.

Table 13 displays the amount of solid waste received by permitted Indiana incinerators (excluding small-capacity incinerators) and transfer stations by each reported waste type during 2008. Table 14 displays similar information from 2000 through 2008 for municipal and non-municipal waste. Other processing facilities are discussed later in this section.

Table 13.
Solid Waste Received by Processing Facilities by Waste Type During 2008

Waste Type	Tons of Waste Received	
	Incinerators ⁽¹⁾	Transfer Stations
Municipal	587,811	2,902,304
C/D	0	313,567
Coal Ash	0	0
FGD Waste	0	0
Foundry	0	0
Other Non-MSW	68,748	87,629
TOTAL	656,560	3,303,500

⁽¹⁾ Does not include small-capacity incinerators receiving less than 10 tons/day of solid waste or 7 tons/day of infectious waste.

Table 14.
Annual Amount of Solid Waste Received by Processing Facility Type and Waste Type

(Includes waste imports to Indiana)

Facility Type	Waste Type	Tons of Waste Received								
		2000	2001	2002	2003	2004	2005	2006	2007	2008
Incinerators ⁽¹⁾	MSW	632,880	636,072	646,621	697,634	647,911	622,348	600,183	556,132	587,811
	NonMSW	28,672	30,274	41,591	24,704	36,095	44,202	44,472	55,965	68,748
	TOTAL	661,552	666,346	688,212	722,338	684,007	666,550	644,655	612,097	656,560
Transfer Stations	MSW	2,230,153	2,282,366	2,384,806	2,544,071	2,879,650	3,122,682	3,157,228	3,161,410	2,902,304
	NonMSW	499,069	470,251	482,556	517,690	543,744	486,532	541,282	447,055	401,196
	TOTAL	2,729,222	2,752,617	2,867,362	3,061,761	3,423,394	3,609,214	3,698,510	3,608,465	3,303,500

⁽¹⁾ Does not include small-capacity incinerators receiving less than 10 tons/day of solid waste or 7 tons/day of infectious waste.

Solid Waste Incinerators

For reporting and permitting purposes, solid waste incinerators are regarded as processing facilities. For solid waste planning and fee purposes, incinerators are considered final disposal facilities. Table 15 provides a list of the permitted solid waste incinerator that operated in 2008 and the total amount of solid waste received by this facility. The list does not include the small-capacity incinerators in Indiana that are not required to report to IDEM.

Annually, Covanta Energy Indianapolis Resource Recovery Facility receives roughly four percent of the total tonnage of waste either land disposed or incinerated in Indiana. From the waste received by Covanta during 2008, there was 163,754 tons of ash produced and delivered to the Southside Landfill for disposal. The ash produced is equivalent to about 25 percent of the waste received at Covanta.

Table 15.
Total Waste Received by Incinerators During 2008⁽¹⁾

County Location of Facility	Facility Name	Waste Received in Tons
Marion	Covanta Energy Indianapolis Resource Recovery Facility	656,560
Total for All Incinerators		656,560

⁽¹⁾ General Electric Ultem Thermal Oxidizer System did not accept any waste in 2008.

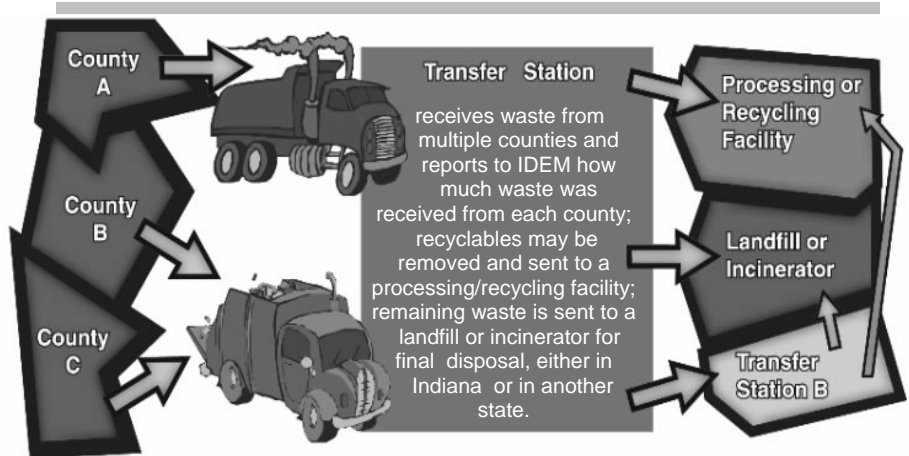
Transfer Stations

Transfer stations are facilities that allow waste from individual collection vehicles to be offloaded and then reloaded into larger vehicles for transport to final disposal facilities. Some transfer stations recover recyclable materials and send them to processing or recycling facilities.

The accountability for differences in incoming and outgoing waste at transfer stations has improved over the years. Although for the first few years of quarterly reporting there was no mechanism to track such differences, reporting forms were improved to include materials recovery. Facilities are also required to submit written explanations if the difference between incoming and outgoing tonnage totals is due to a reason other than materials recovery. In most instances, these differences are the result of materials recovery or differences in volume-to-tons conversions.

As discussed on page 11, it is difficult to track the true origin of waste. Waste collection vehicles may

Figure 13.
Transfer Station Waste Management



transport their waste directly to a landfill or they may take it to a transfer station. A landfill receiving waste from a transfer station documents it as originating from the county in which the transfer station is located, regardless of whether any of the waste was generated in that county. The issue is further complicated when the transfer station receives waste from two or more counties, mixes the loads in a central location, removes various recyclables, then transports the waste to two or more landfills, another transfer station and/or a recycling facility. Figure 13 illustrates how the tonnage received from the counties may be known, but the waste sent for final disposal or processing may not directly identify the point of origin.

Table 16.
Destination of Waste Sent from Transfer Stations for Final Disposal

Year	Total Tons Sent to All Facilities	To Indiana Facilities		To Out-of-State Facilities	
		Tonnage	% of Total	Tonnage	% of Total
2000	2,577,813	2,268,754	88.0	309,059	12.0
2001	2,638,995	2,303,805	87.3	335,190	12.7
2002	2,737,515	2,377,746	86.9	359,770	13.1
2003	2,869,329	2,488,397	86.7	380,932	13.3
2004	3,175,236	2,673,932	84.2	501,304	15.8
2005	3,405,644	2,863,320	84.1	542,324	15.9
2006	3,427,832	2,942,348	85.8	485,484	14.2
2007	3,319,177	2,963,558	89.3	355,619	10.7
2008	3,100,873	2,858,073	92.2	242,799	7.8

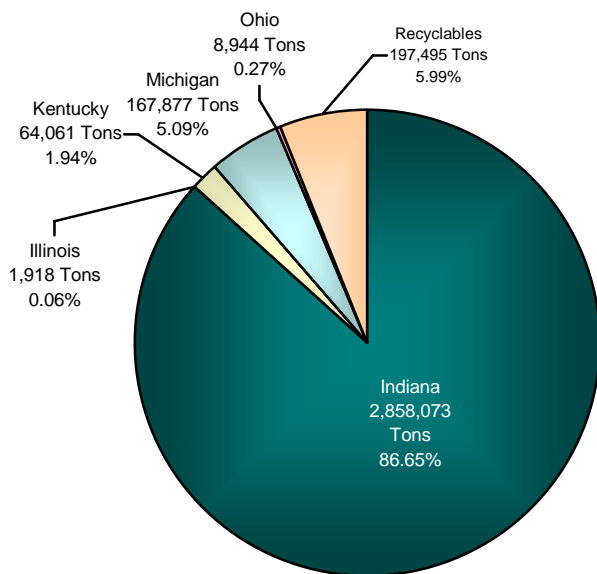
Other Processing Facilities

Quarterly reports from transfer stations currently provide the only source of systematic information on the amount of waste exported by Indiana. Table 16 shows the amount of waste sent out-of-state from transfer stations as compared with the amount of waste sent to Indiana final disposal facilities from 2000 to 2008. Figure 14 shows a more detailed breakdown of the destination information for 2008. This information does not provide a complete picture of Indiana waste exports because the totals in Table 16 are based only on information obtained from processing facility quarterly reports. The amount of waste hauled directly from an Indiana residence or business to an out-of-state destination is not adequately known due to reporting limitations.

Other processing facilities permitted by IDEM could include paper and medical waste processing facilities. Nine of the facilities operating during 2008 are classified under this category. In this report, these nine facilities are included with the transfer stations.

IDEM issues permits to any solid waste processing facility upon which is located a solid waste incinerator, transfer station, solid waste baler, solid waste shredder, resource recovery system, or garbage grinding facility (as defined in 329 IAC 11-2-43, unless excluded by 329 IAC 11-3-1).

Figure 14.
Destination of Waste Sent from Transfer Stations During 2008



Out-of-State Waste

Solid waste imported from out-of-state sources can be received at landfills, incinerators, or transfer stations. Out-of-state waste received by Indiana facilities accounted for 18.58% of waste disposed and incinerated in Indiana.

Historically, the predominant states of origin for solid waste imports have been the four states contiguous to Indiana (Illinois, Michigan, Ohio, and Kentucky). Waste imports to the state increased between 2003 and 2004. This increase was

determined to be due to a landfill that closed at the end of 2003 in Cook County, Illinois. In 2005, waste imports increased again, bringing the total to a new all time high.

2006 marked the first occurrence of waste imported from Canada. In 2008 Indiana imported a total of 1,021 tons from Canada. In 2008 1.60% of out-of-state waste originated in non-contiguous states, the highest percentage to date.

Figure 15.
Annual Waste Imports by Region of Origin

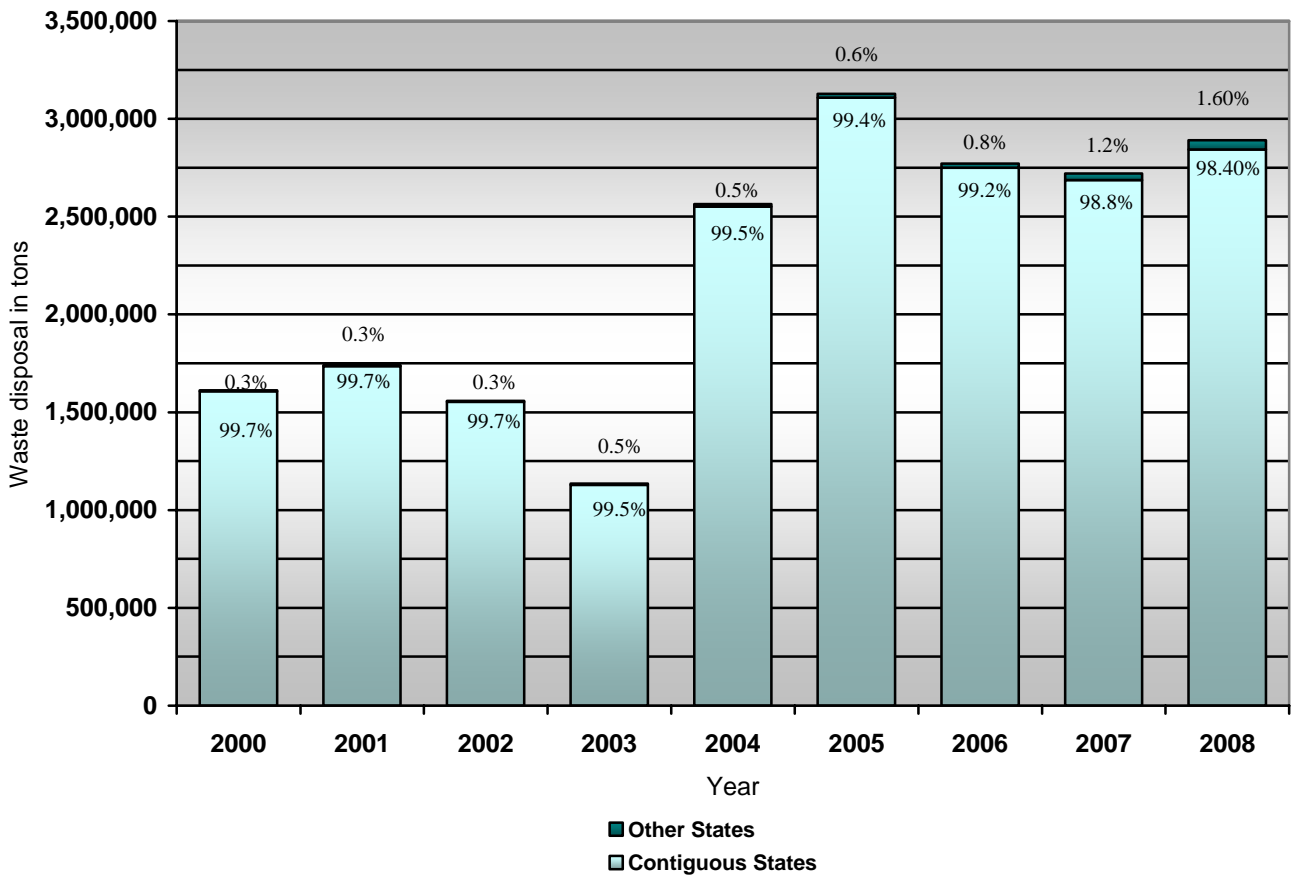


Table 17.
Out-of-State Waste Received During 2008⁽¹⁾

Total Tons:							
State	Tons	State	Tons	State	Tons	State	Tons
County Name	Received	County Name	Received	County Name	Received	County Name	Received
ILLINOIS	2,464,489	OHIO (cont'd)		MICHIGAN (cont'd)		MISSOURI	2,946
ADAMS	<1	HAMILTON	1,804	ISABELLA	28	BUCHANAN	9
BOONE	1	LAKE	21	JACKSON	18	CLAY	75
BUREAU	3	LOGAN	86	KALAMAZOO	141	JACKSON	176
CHAMPAIGN	722	LUCAS	<1	KALKASKA	<1	PLATTE	34
CHRISTIAN	6	MARION	<1	KENT	122	ST. CHARLES	27
CLARK	7,985	MERCER	14,352	LAKE	<1	ST. LOUIS	2,619
COLES	<1	MIAMI	54,235	LAPEER	<1	ST. LOUIS CITY	6
COOK	2,268,681	MONTGOMERY	169	LIVINGSTON	18	KANSAS	1,995
CRAWFORD	16,647	PAULDING	332	MACKINAC	<1	DONIPHAN	1,619
DE KALB	1,237	PREBLE	8	MACOMB	109	GEARY	15
DE WITT	<1	PUTNAM	53	MANISTEE	3	JOHNSON	360
DOUGLAS	1	RICHLAND	11	MASON	1	OKLAHOMA	1,893
DU PAGE	1,313	SANDUSKY	<1	MECOSTA	2	OKLAHOMA	984
EDGAR	18,698	SHELBY	7,560	MONROE	33	TULSA	909
EDWARDS	18	SUMMIT	297	MONTCALM	4	CANADA	1,021
EFFINGHAM	3	UNION	112	MONTMORENCY	<1	UNKNOWN	1,021
FAYETTE	8	VAN WERT	11,926	MUSKEGON	28	WEST VIRGINIA	600
FORD	1	WARREN	100	NEWAYGO	1	CABELL	15
FRANKLIN	517	WILLIAMS	142	OAKLAND	162	KANAWHA	36
FULTON	<1	KENTUCKY	119,802	OCEANA	<1	PUTNAM	549
GRUNDY	382	ANDERSON	189	OGEMAW	5	CALIFORNIA	597
IROOUIOIS	341	BOONE	3,621	OSCEOLA	1	ALAMEDA	264
JACKSON	3	BOURBON	17	OSCODA	<1	LOS ANGELES	304
JEFFERSON	8	BRECKINRIDGE	9	OTSEGO	1	RIVERSIDE	10
KANE	140	BULLITT	75	OTTAWA	10	SAN BERNARDINO	19
KANKAKEE	136,741	CARROLL	784	PRESQUE ISLE	<1	VIRGINIA	573
KENDALL	15	CHRISTIAN	11	ROSCOMMON	1	PETERSBURG	555
KNOX	41	DAVISS	87	ST. CLAIR	19	RICHMOND	17
LA SALLE	7	FAYETTE	56	ST. JOSEPH	104	RICHMOND CITY	1
LAKE	3,356	FRANKLIN	28	VAN BUREN	3	SPOTSYLVANIA	<1
LAWRENCE	2,085	GREENUP	1	WASHTENAW	206	NEW JERSEY	386
LEE	1	HANCOCK	19	WAYNE	218	ESSEX	4
LIVINGSTON	2	HARDIN	137	WEXFORD	4	GLOUCESTER	80
MACON	54	HENDERSON	11,317	NEW YORK	10,893	UNION	303
MACOUPIN	2	HENRY	348	CLINTON	34	MASSACHUSETTS	217
MADISON	1,574	JEFFERSON	101,927	LIVINGSTON	59	HAMPDEN	41
MARION	24	JESSAMINE	32	NASSAU	95	MIDDLESEX	176
MASON	444	KENTON	2	SENECA	10,705	ARIZONA	134
MCHENRY	33	MARION	30	ARKANSAS	9,735	MARICOPA	35
MCLEAN	52	METCALFE	4	SALINE	9,735	PINAL	99
MENARD	<1	MONTGOMERY	37	IOWA	6,484	UTAH	116
MONTGOMERY	15	OLDHAM	2	BUTLER	<1	SALT LAKE	116
MORGAN	<1	OWEN	38	CERRO GORDO	19	MINNESOTA	110
MOULTRIE	<1	RUSSELL	3	CLINTON	7	HENNEPIN	81
OGLE	<1	SCOTT	900	FRANKLIN	<1	WASHINGTON	29
PEORIA	86	SHELBY	11	JOHNSON	4,979	NEW HAMPSHIRE	90
PERRY	9	SIMPSON	2	LINN	7	MERRIMACK	90
RICHLAND	1	TODD	18	POLK	1,437	NEBRASKA	78
ROCK ISLAND	11	UNION	3	SCOTT	23	LANCASTER	20
SALINE	<1	WARREN	53	WEBSTER	12	LINCOLN	58
SANGAMON	173	WEBSTER	12	WINNEBAGO	<1	PENNSYLVANIA	45
ST. CLAIR	45	WHITLEY	30	TENNESSEE	4,258	MONTGOMERY	8
STEPHENSON	8	MICHIGAN	76,238	DAVIDSON	2	PHILADELPHIA	37
TAZEWELL	11	ALCONA	<1	HAMILTON	31	COLORADO	43
VERMILION	1,000	ALLEGAN	69	HICKMAN	21	ADAMS	23
WABASH	113	ALPENA	4	HUMPHREYS	379	EL PASO	20
WARREN	362	ANTRIM	<1	MONTGOMERY	1	DELAWARE	42
WASHINGTON	27	BARRY	<1	SHELBY	3,816	NEW CASTLE	42
WAYNE	<1	BENZIE	<1	SMITH	8	NORTH CAROLINA	40
WHITE	13	BERRIEN	1,688	WISCONSIN	3,894	FORSYTH	40
WHITESIDE	2	BRANCH	55,048	BROWN	<1	TEXAS	37
WILL	1,274	CALHOUN	19	COLUMBIA	<1	DENTON	37
WILLIAMSON	2	CASS	1,025	DANE	916	TAYLOR	<1
WINNEBAGO	186	CHARLEVOIX	1	DODGE	<1	ALABAMA	31
WOODFORD	4	CHEBOYGAN	1	FOND DU LAC	<1	DALLAS	31
OHIO	183,149	CLARE	1	GRANT	<1	MISSISSIPPI	30
ALLEN	72,427	CLINTON	1	GREEN	<1	ATTALA	11
AUGLAIZE	1,244	CRAWFORD	3	KENOSHA	116	DE SOTO	11
BUTLER	65	DICKINSON	<1	LA CROSSE	12	JACKSON	1
CHAMPAIGN	315	EATON	3	MILWAUKEE	218	WASHINGTON	7
CLARK	3	EMMET	9	OUTAGAMIE	1	LOUISIANA	14
CLINTON	2,307	GENESEE	118	OZAUKEE	10	LINCOLN	4
CUYAHOGA	5,143	GLADWIN	<1	RACINE	<1	MOREHOUSE	5
DARKE	9,799	GRAND	31	ROCK	48	ST. LANDRY	5
DEFIANCE	294	GRATIOT	6	SAUK	1	GEORGIA	3
ERIE	<1	HILLSDALE	16,922	SHEBOYGAN	1	FULTON	1
FRANKLIN	341	INGHAM	45	WALWORTH	2	ROCKDALE	2
GUERNSEY	2	IONIA	3	WASHINGTON	1		
		IOSCO	2	WAUKESHA	2,567		

⁽¹⁾ About 8,983 tons were sent back to out-of-state facilities by Indiana transfer stations.

Table 17 details the state origin and amount of out-of-state waste received at Indiana solid waste facilities during 2008. Figure 16 shows this information from 2000 through 2008. Illinois has historically been the largest source of waste imported to Indiana. In 2008, Illinois waste accounted for 86 percent of the out-of-state waste received by Indiana solid waste facilities. Ninety-two percent of that waste came from the Chicago area.

Figure 16.
Annual Waste Imports by State of Origin

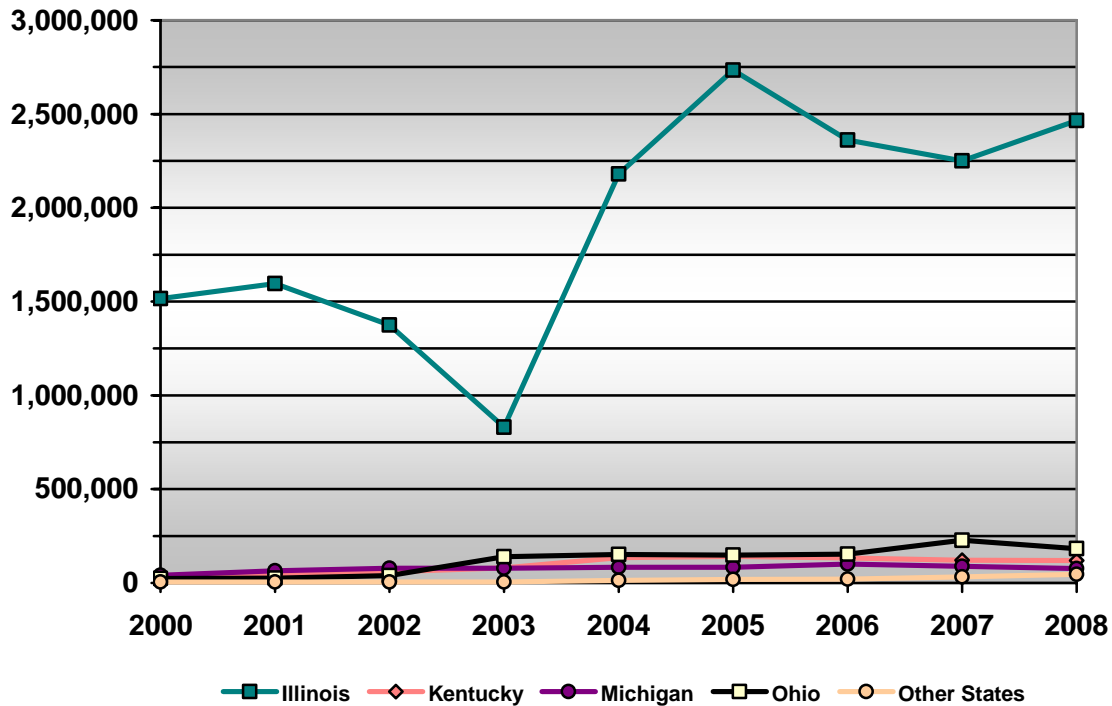


Table 18 displays the amount of out-of-state waste received by Indiana’s permitted solid waste facilities by each reported waste type during 2008. Table 19 displays similar information from 2000 through 2008 for municipal and non-municipal waste. MSW landfills have consistently received most of the waste imported from other states.

Table 18.
Amount of Out-of-State Waste Received by Solid Waste Facilities by Facility Type and Waste Type During 2008

Waste Type	Tons of Waste Received					All Facilities
	Municipal Solid Waste Landfills	Construction/Demolition Sites	Incinerators	Transfer Stations	Restricted Waste Sites	
Municipal	2,602,241	0	1,318	36,074	0	2,639,632
C/D	30,629	16,493	0	790	0	47,911
Foundry	690	0	0	0	10,705	11,395
Coal Ash	0	0	0	0	0	0
FGD Waste	0	0	0	0	0	0
Other Non-MSW	133,252	0	53,939	3,854	0	191,046
Total	2,823,642	16,493	55,257	40,718	10,705	2,889,984

Figure 17 shows that municipal solid waste historically has accounted for the largest percentage of waste imports. However, non-municipal waste imports increased considerably between 1995 and 1998. This increase might have been due to imports of waste materials to be used as alternative daily cover by landfills. Alternative daily cover amounts

have not been included as waste in this report since 1999. In 2004 and 2005, increases were seen again in non-municipal waste imports, which was more than likely due to the closed landfill in Illinois. Non-municipal waste imports have decreased since 2005.

Figure 17.
Annual Amount of Out-of-State Waste Received by Solid Waste Facilities

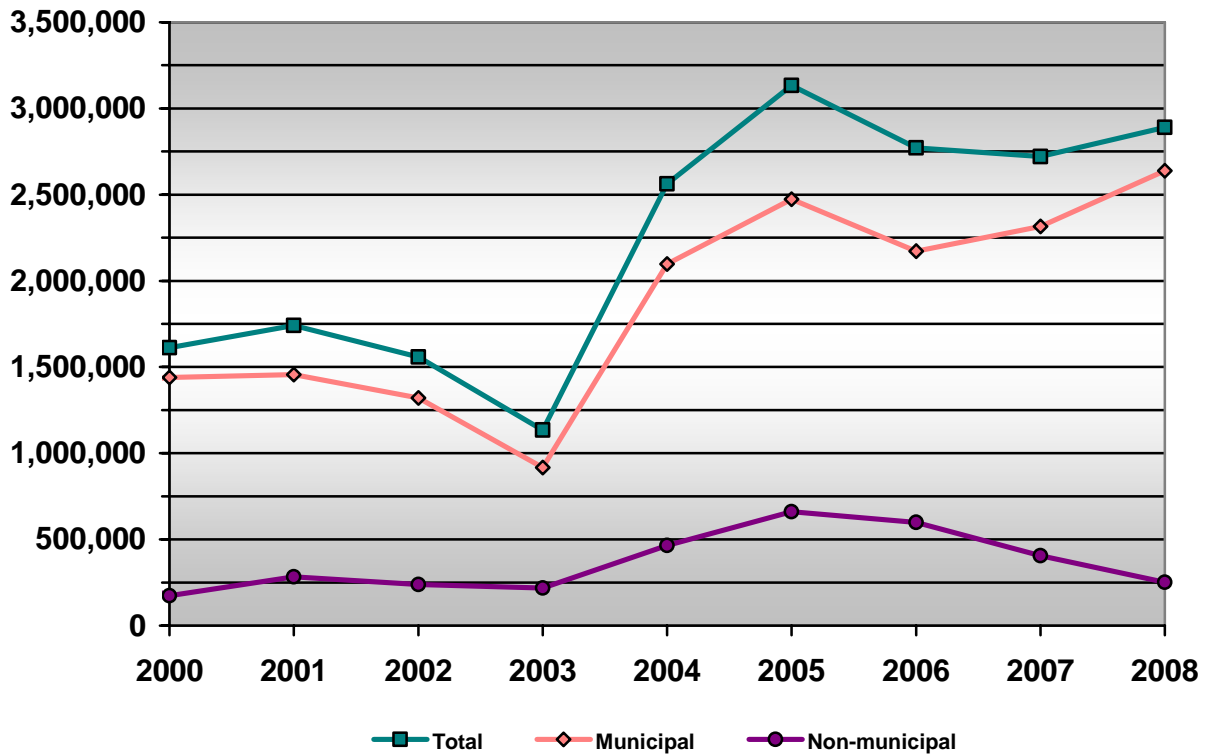


Table 19.

Annual Amount of Out-of-State Waste Received by Solid Waste Facilities by Facility Type and Waste Type

Landfill Type	Waste Type	Tons of Waste Disposed								
		2000	2001	2002	2003	2004	2005	2006	2007	2008
Municipal Solid Waste Landfills ⁽¹⁾	MSW	1,412,547	1,390,868	1,249,114	863,363	2,047,762	2,426,340	2,127,733	2,228,556	2,602,241
	NonMSW	164,495	274,396	195,887	135,480	209,420	459,779	512,038	342,765	221,401
	TOTAL	1,577,042	1,665,264	1,445,001	998,843	2,257,182	2,886,119	2,639,771	2,571,321	2,823,642
Construction/Demolition Sites	MSW	0	0	0	0	0	0	0	0	0
	NonMSW	1,560	1,416	21,428	64,573	226,016	167,968	44,924	11,940	16,493
	TOTAL	1,560	1,416	21,428	64,573	226,016	167,968	44,924	11,940	16,493
Non-Municipal Solid Waste Landfill	MSW	0	0	0	0	0	0	0	0	0
	NonMSW	235	2,729	4,491	0	0	0	0	0	0
	TOTAL	235	2,729	4,491	0	0	0	0	0	0
Incinerators (nonhospital)	MSW	9,851	11,815	1,345	211	1,723	2,498	1,406	618	1,318
	NonMSW	1,396	897	14,451	16,410	25,315	30,057	36,290	45,539	53,939
	TOTAL	11,247	12,712	15,796	16,621	27,038	32,555	37,696	46,157	55,257
Transfer Stations ⁽²⁾	MSW	17,093	54,016	69,136	54,104	48,605	38,716	43,466	85,439	36,074
	NonMSW	4,724	3,641	2,078	736	4,721	2,121	4,857	5,570	4,644
	TOTAL	21,817	57,657	71,214	54,840	53,326	40,837	48,323	91,009	40,718
Restricted Waste Sites	MSW	0	0	0	0	0	0	0	0	0
	NonMSW	0	0	0	0	0	0	0	0	10,705
	TOTAL	0	0	0	0	0	0	0	0	10,705
All Facilities	MSW	1,439,491	1,456,699	1,319,595	917,679	2,098,090	2,467,553	2,172,605	2,314,614	2,639,632
	NonMSW	172,410	283,079	238,335	217,199	465,471	659,925	598,109	405,813	250,352
	TOTAL	1,611,901	1,739,778	1,557,930	1,134,878	2,563,561	3,127,478	2,770,714	2,720,427	2,889,984

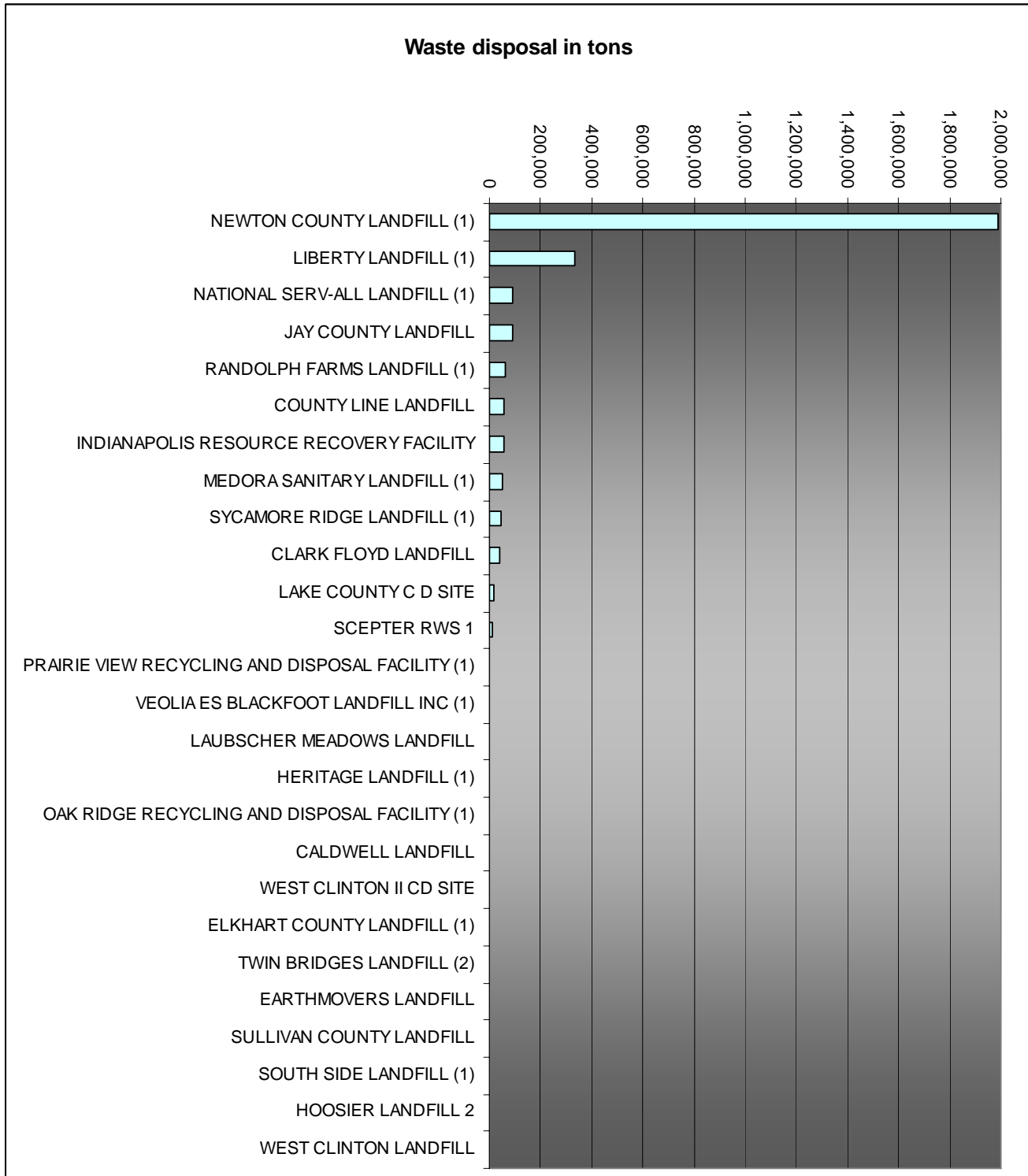
⁽¹⁾ This reflects only out-of-state waste shipped directly to MSW landfills. Most of the out-of-state waste received by transfer stations was sent to Indiana MSW landfills for final disposal. However, these MSW landfills reported the origin of this out-of-state waste as the county in which the transfer station was located, rather than the state in which the waste originated, in accordance with IDEM guidance.

⁽²⁾ Twenty-two percent of out of state waste that was received by Indiana facilities was sent back out of state in 2008. The percentage of out of state waste received by Indiana facilities and then sent out of state spiked in 1997 to 30% and again in 1998 to 45%. In 2000, the percentage significantly decreased to 14% and again in 2001 to an all time low of 3%. The percentage began increasing in 2002 and has consistently stayed between 20% and 30%. Through the years, the majority of the waste has been filtered through the Clark County Transfer Station.

Figure 18 shows the distribution of the disposal of out-of-state waste among Indiana solid waste facilities. Of the 26 facilities that received out-of-state waste during 2008, 2 (8%) disposed of 81% of

that waste. One hundred percent of the imported waste received by these two facilities was from Illinois. The other 24 facilities (92%) disposed of the remaining 19% of the imported waste.

Figure 18.
Distribution of Disposal of Out-of-State Waste Disposed at Indiana Solid Waste Facilities During 2008



(1) This landfill received out-of-state waste from Indiana transfer station(s).

(2) This landfill received out-of-state waste only from an Indiana transfer station.

Table 20 summarizes the annual amount of out-of-state waste received by Indiana's solid waste facilities during 2008. Table 21 provides a detailed look at the amount of waste that these facilities received from each state.

Although Indiana imports a considerable amount of solid waste, it also exports waste, primarily to contiguous states. A brief discussion of waste exports was provided in the previous section on solid waste processing facilities (see page 27).

Table 20.
Total Out-of-State Waste Received by Facility During 2008


County Location of Facility	Facility Name	Type of Facility	Tons of Out-of-State Waste Received
Allen	National Serv-All Landfill	MSW Landfill	91,963
Cass	Oak Ridge Recycling and Disposal Facility	MSW Landfill	4,311
Clark	Clark-Floyd Landfill	MSW Landfill	41,404
Clark	Bi-Co Transfer Station	Transfer Station	6,701
Clark	Midwest Resource Recovery Center	Transfer Station	1,893
Delaware	East Central Recycling Transfer Station	Transfer Station	159
Elkhart	Earthmovers Landfill	MSW Landfill	345
Elkhart	Elkhart County Landfill	MSW Landfill	735
Elkhart	Ampro	Medical Waste Processor	<1
Fulton	County Line Landfill	MSW Landfill	58,252
Jackson	Medora Sanitary Landfill	MSW Landfill	50,989
Jay	Jay County Landfill	MSW Landfill	88,027
Johnson	Liquid Waste Removal Processing Facility	Processing Facility - Other	86
Knox	Scepter RWS #1	Restricted Waste Site	10,705
Knox	Vincennes Transfer Station	Transfer Station	2,812
Kosciusko	Hoosier Landfill #2	MSW Landfill	12
Lake	Illiana Transfer #1	Transfer Station	12,749
Lake	Lake County C/D Site	Construction/Demolition	15,398
Lake	Waste Management Of Northwest Indiana Transfer	Transfer Station	98
Lake	Stericycle Incorporated	Medical Waste Processor	9,003
Lake	Blaine Street Partners LLC Transfer Station	Transfer Station	585
LaPorte	Waste Management Of Laporte Transfer Station	Transfer Station	1,071
Marion	South Side Landfill	MSW Landfill	7
Marion	Indianapolis Resource Recovery Facility	Incinerator	55,257
Marion	Ecological Systems Inc Processing Facility	Processing Facility - Other	1,250
Newton	Newton County Landfill	MSW Landfill	1,975,502
Noble	Kendallville Iron And Metal Transfer Station	Transfer Station	94
Pike	Veolia ES Blackfoot Landfill, Inc.	MSW Landfill	3,372
Pike	Blackfoot Resource Recovery Facility	Processing Facility - Other	88
Porter	Able Disposal Recycling & Transfer Station	Transfer Station	444
Putnam	Heritage Landfill	MSW Landfill	3,672
Randolph	Randolph Farms Landfill	MSW Landfill	63,839
St Joseph	Prairie View Recycling And Disposal Facility	MSW Landfill	380
Shelby	Caldwell Landfill	MSW Landfill	4,072
Sullivan	Sullivan County Landfill	MSW Landfill	62
Vanderburgh	Laubscher Meadows Landfill	MSW Landfill	5,042
Vanderburgh	Veolia Es Solid Waste Midwest, Inc.	Transfer Station	3,086
Vermillion	West Clinton II C/D Site	Construction/Demolition	1,095
Vermillion	West Clinton Landfill	MSW Landfill	6
Vigo	Sycamore Ridge Landfill	MSW Landfill	44,651
Warren	Tri-County Transfer Station	Transfer Station	62
White	Liberty Landfill	MSW Landfill	330,169
White	Liquid Solutions, Llc	Processing Facility - Other	537
Total for All Facilities			2,889,984

Table 21.
Out-of-State Waste Received by Indiana Solid Waste Facilities During 2008

County	Facility Name	Facility Type	/-----Contiguous States-----/				Other States	Total Tons	% of Tons
			IL	KY	MI	OH			
Allen	National Serv-All Landfill	MSW Landfill	230		71,632	20,101		91,963	3.2%
Cass	Oak Ridge Recycling and Disposal Facility	MSW Landfill	3,961		350			4,311	0.1%
Clark	Clark-Floyd Landfill	MSW Landfill		41,404				41,404	1.4%
Clark	Bi-Co Transfer Station	Transfer Station		6,701				6,701	0.2%
Clark	Midwest Resource Recovery Center	Transfer Station		1,365		105	423	1,893	0.1%
Delaware	East Central Recycling Transfer Station	Transfer Station				159		159	0.0%
Elkhart	Earthmovers Landfill	MSW Landfill	16		329			345	0.0%
Elkhart	Elkhart County Landfill	MSW Landfill	1		734			735	0.0%
Elkhart	Ampro	Medical Waste Processor			<1			<1	0.0%
Fulton	County Line Landfill	MSW Landfill	58,232			20		58,252	2.0%
Jackson	Medora Sanitary Landfill	MSW Landfill		50,989				50,989	1.8%
Jay	Jay County Landfill	MSW Landfill				88,027		88,027	3.0%
Johnson	Liquid Waste Removal Processing Facility	Processing Facility - Other	76	4		7		86	0.0%
Knox	Scepter RWS #1	Restricted Waste Site					10,705	10,705	0.4%
Knox	Vincennes Transfer Station	Transfer Station	2,812					2,812	0.1%
Kosciusko	Hoosier Landfill #2	MSW Landfill			12			12	0.0%
Lake	Illiana Transfer #1	Transfer Station	12,749					12,749	0.4%
Lake	Lake County C/D Site	Construction/Demolition Site	15,398					15,398	0.5%
Lake	Waste Management Of Northwest Indiana Transfer Station	Transfer Station	98					98	0.0%
Lake	Stericycle Incorporated	Medical Waste Processor	7,450		1,075	21	457	9,003	0.3%
Lake	Blaine Street Partners LLC Transfer Station	Transfer Station	585					585	0.0%
LaPorte	Waste Management Of Laporte Transfer Station	Transfer Station			1,071			1,071	0.0%
Marion	South Side Landfill	MSW Landfill				7		7	0.0%
Marion	Indianapolis Resource Recovery Facility	Incinerator	7,800	6,968	237	9,870	30,381	55,257	1.9%
Marion	Ecological Systems Inc Processing Facility	Processing Facility - Other	111	111		37	991	1,250	0.0%
Newton	Newton County Landfill	MSW Landfill	1,975,502					1,975,502	68.4%
Noble	Kendallville Iron And Metal Transfer Station	Transfer Station			22	72		94	0.0%
Pike	Veolia ES Blackfoot Landfill, Inc.	MSW Landfill	43	3,329				3,372	0.1%
Pike	Blackfoot Resource Recovery Facility	Processing Facility - Other	88					88	0.0%
Porter	Able Disposal Recycling & Transfer Station	Transfer Station	47		397			444	0.0%
Putnam	Heritage Landfill	MSW Landfill	303	31		29	3,309	3,672	0.1%
Randolph	Randolph Farms Landfill	MSW Landfill				63,839		63,839	2.2%
St Joseph	Prairie View Recycling And Disposal Facility	MSW Landfill			380			380	0.0%
Shelby	Caldwell Landfill	MSW Landfill	2,405	795		855	17	4,072	0.1%
Sullivan	Sullivan County Landfill	MSW Landfill	62					62	0.0%
Vanderburgh	Laubscher Meadows Landfill	MSW Landfill		5,042				5,042	0.2%
Vanderburgh	Veolia Es Solid Waste Midwest, Inc.	Transfer Station	22	3,064				3,086	0.1%
Vermillion	West Clinton II C/D Site	Construction/Demolition Site	1,095					1,095	0.0%
Vermillion	West Clinton Landfill	MSW Landfill	6					6	0.0%
Vigo	Sycamore Ridge Landfill	MSW Landfill	44,651					44,651	1.5%
Warren	Tri-County Transfer Station	Transfer Station	62					62	0.0%
White	Liberty Landfill	MSW Landfill	330,169					330,169	11.4%
White	Liquid Solutions, LLC	Processing Facility - Other	816				288	1,104	0.0%
Total for All Facilities			2,464,489	119,802	76,238	183,149	46,306	2,889,984	





Figure 19.
Origin of Waste Disposed and Incinerated in Indiana During 2008

Total Waste Disposed and Incinerated in Indiana	
Number of Final Disposal Facilities	Tons
62	15,337,546



Total Waste Received from Indiana Sources			Total Waste Received from Out-of-State ⁽¹⁾		
Number of Final Disposal Facilities	Tons	% of Total Waste	Number of Final Disposal Facilities	Tons	% of Total Waste
62	12,488,279	81.42%	25	2,849,266	18.58%

Total Waste Received from Contiguous States		
Number of Final Disposal Facilities	Tons	% of OOSW ⁽²⁾
25	2,804,854	98.44%
Illinois		
Number of Final Disposal Facilities Receiving Waste	Tons	% of OOSW ⁽²⁾
16	2,439,874	85.63%
Kentucky		
Number of Final Disposal Facilities Receiving Waste	Tons	% of OOSW ⁽²⁾
8	108,558	3.81%
Michigan		
Number of Final Disposal Facilities Receiving Waste	Tons	% of OOSW ⁽²⁾
7	73,674	2.59%
Ohio		
Number of Final Disposal Facilities Receiving Waste	Tons	% of OOSW ⁽²⁾
8	182,748	6.41%

Total Waste Received from Non-contiguous States		
Number of Final Disposal Facilities	Tons	% of OOSW ⁽²⁾
4	44,412	1.56%
Midwest States		
Number of Final Disposal Facilities Receiving Waste	Tons	% of OOSW ⁽²⁾
3	14,682	0.52%
Other States⁽³⁾		
Number of Final Disposal Facilities Receiving Waste	Tons	% of OOSW ⁽²⁾
4	29,731	1.04%

⁽¹⁾ Excludes an estimated 8,983 tons of out-of-state waste received by Indiana transfer stations to out-of-state final disposal facilities.

⁽²⁾ OOSW means Out-of-State Waste.

⁽³⁾ Includes 1,021 tons received from Canada.

Remaining Municipal Solid Waste Landfill Capacity

Beginning in 1996, MSW landfills in Indiana became required to conduct an annual survey. The results of the survey are used to create a contour map that indicates the boundaries of the landfill as well as the elevation of the waste in-place within the boundaries of the landfill. The contour maps are submitted to IDEM to determine remaining landfill capacity. Beginning in 2007, MSW landfills are required to conduct the annual survey between December 1 and March 31 of each year. In previous years, landfills conducted the survey between October 1 and December 31.

Table 22 provides an overview of Indiana's remaining MSW landfill capacity. A landfill's gross airspace is calculated as top of current waste level to top of approved final cover layer. If a landfill contains future undeveloped areas, subgrade elevation levels are used in the airspace calculation. Calculations assume a 30" clay liner for approved undeveloped (future) areas. Current and undeveloped area volumes are added to attain total gross airspace. Capacity is derived by subtracting the volume of the landfill's final cover layer from its gross airspace. Final cover volume is estimated as total area of current & future cells multiplied by a five foot thick final cover. The final step in the capacity calculation is to account for daily and intermediate cover. IDEM assumes waste airspace will consist of 15% daily and intermediate cover and 85% waste. Gross airspace minus final cover is multiplied by 85% to yield net waste space less daily cover. This value is an estimate of remaining capacity for waste only.

Landfill life is derived by dividing net waste space less daily cover by waste received. Waste receipts in tons are converted to cubic yards using a conversion factor of 1.5 cubic yards/ton. This life calculation assumes future waste receipts remain at 2008 levels.

The total Indiana landfill capacity (Table 23) in 2008 is the sum of the remaining capacity for all MSW landfills, estimated to be about 325 million cubic yards. The remaining life for all Indiana MSW landfills (based upon the 2008 volume of waste received) is estimated to be 20.3 years. The total active and future acreage for MSW landfills in 2008 is estimated to be about 3,660 acres.

It is important to note the variability in both waste intake rate and remaining airspace available for waste intake among individual landfills. The remaining disposal life of a landfill depends on both factors. In the same way, Indiana's total remaining disposal life depends on the sum of all landfill capacities and the total waste disposed in the state each year. The remaining disposal life of individual landfills varies greatly from one facility to the other, as evident in Table 22. This variation is due to three factors:

- varying amount of waste received (intake rate) for each landfill,
- age of the landfill, and
- expansions made during the life of the landfill.

Table 22.

2008 Remaining Landfill Capacity and Life by Permitted Municipal Solid Waste Landfill

County Location of Facility	Facility Name	Active & Future Area (acres)	Gross Airspace (cu yds)	Remaining Capacity (cu yd)	Remaining Life (years)
Allen	National Serv-All Landfill	220.7	37,741,920	30,567,501	27.2
Allen	United Refuse Landfill	37.5	824,135	443,471	n/a ¹
Bartholomew	Bartholomew County Landfill 2	85.6	10,035,436	7,942,875	55.0
Cass	Oak Ride Recycling & Disposal Facility	90.6	4,785,158	3,446,016	11.9
Clark	Clark Floyd Landfill	171.7	2,470,109	922,369	3.0
Clinton	Clinton County Landfill	50.9	4,523,728	3,496,069	27.2
Daviess	Daviess County Landfill	28.0	1,505,633	1,049,417	26.5
Decatur	Decatur Hills Landfill	70.5	7,816,137	6,160,239	28.9
Elkhart	Earthmovers Landfill	97.5	6,077,962	4,497,985	11.3
Elkhart	Elkhart County Landfill	124.6	16,030,052	12,771,511	58.2
Fulton	County Line Landfill	237.9	32,403,307	25,911,518	96.6
Hendricks	Twin Bridges Recycling & Disposal Facility	179.1	23,113,413	18,418,449	17.1
Henry	Hayes Landfill	30.1	3,697,017	2,935,963	21.2
Huntington	Huntington City Landfill	64.7	1,168,552	816,516	23.8
Jackson	Medora Sanitary Landfill	101.6	11,623,336	9,183,209	47.8
Jay	Jay County Landfill	154.5	15,874,645	12,433,754	38.3
Koskiusko	Hoosier Landfill 2	64.9	8,412,446	6,705,273	31.2
Marion	South Side Landfill	325.6	42,772,124	34,419,173	24.5
Martin	Crane Naval Surface Warfare ²	0	n/a	n/a	n/a
Newton	Newton County Landfill	346.6	67,885,029	55,325,740	12.6
Pike	Veolia ES Blackfoot Landfill Inc	131.6	15,297,258	12,100,181	30.3
Putnam	Heritage Landfill	69.4	6,077,264	4,690,051	26.6
Randolph	Randolph Farms Landfill	160.2	12,227,780	9,295,210	18.7
St. Joseph	Prairie View Recycling & Disposal Facility	151.4	13,459,856	10,402,868	27.6
Shelby	Caldwell Landfill	90.6	1,338,250	516,122	2.0
Sullivan	Sullivan County Landfill ³	0	n/a	n/a	n/a
Vanderburgh	Laubscher Meadows Landfill	86.3	9,738,796	7,686,474	19.8
Vermillion	West Clinton Landfill	47.6	57,242	19,597	25.4
Vigo	Sycamore Ridge Landfill	164.7	24,001,315	19,271,566	12.4
Wabash	Wabash Valley Landfill	108.1	13,535,720	10,764,288	28.8
Washington	Washington County Landfill	16.1	1,041,252	829,775	28.9
Wayne	New Paris Pike Landfill	71.1	10,050,612	8,055,485	84.4
White	Liberty Landfill	78.6	5,649,265	4,262,776	4.4

(1) Received minimal waste in 2008.
 (2) Landfill closed 4/15/2009.
 (3) Currently only accepts C/D waste in a 4.6 acre portion of the landfill. Per section B7 of the facility's permit renewal dated 4/4/2007, the landfill must submit a modification application to IDEM to develop any permitted undeveloped MSW areas.

Table 23.

2008 Total Municipal Solid Waste Landfill Remaining Capacity and Life

	Value	Units
Total Remaining Capacity	325,341,444	cubic yards
Waste Received at MSW Landfills During 2008	16,030,976	cubic yards
Total Remaining Life	20.29	years
Total Area (active & future) within permitted solid waste boundary	3,658	acres