

October 2004

2003 Out-of-State Waste

In 2003, approximately 12 percent (2,541,074 tons) of all solid waste disposed in Ohio was from out-of-state. This amount includes 5.2 tons of waste that was imported and treated at Ohio's only remaining publicly-available incinerator, Stericycle, Inc., in Lucas County. An additional 11,035 tons were also received at American Tire Monofill (Stark County), Liberty Tire Monofill (Stark County) and Envirosafe Services HW and Industrial Landfill (Lucas County). Envirosafe is a publicly-available hazardous waste landfill licensed to accept a small amount of industrial waste.

Although waste imports are significantly lower than in 1989, they have increased during the last several years. Two factors that influence the amount of waste exported to Ohio include a large disposal capacity and low tipping fees.

What types of waste are coming into Ohio?

A majority of the solid waste imported into Ohio in 2003 was general solid waste (1,489,884 tons). The next largest amount of waste imported was industrial solid waste (693,470 tons), as seen in Figure 1.

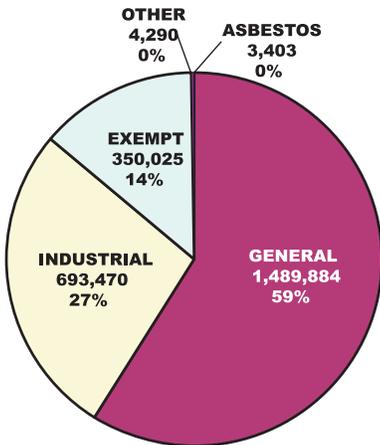


Figure 1: Imports by Waste Type

How much waste is imported?

Solid waste imports peaked in 1989, when Ohio received 3.7 million tons - 20 percent of all solid waste disposed that year. Between 1990 and 1993, imports remained fairly level at 1.7 to 1.9 million tons per year. In 1994, 1995 and 1996, the total amount of waste received at Ohio landfills and incinerators increased while the amount of waste received from out-of state sources decreased to 1.5 million, 1.2 million and 1.1 million tons, respectively. Since 1996, the amount of waste imported has gradually risen each year, totaling six percent of all landfill disposal in 1996, and reaching nearly 12 percent of total landfill disposal in 2003.

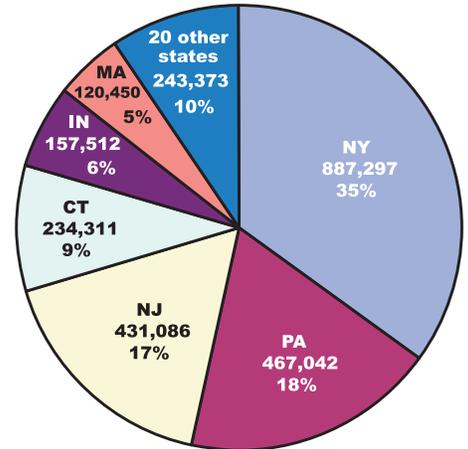


Figure 2: Solid Waste Imports by State 2003

Where is the waste coming from?

In 2003, 24 percent of imported waste came from five neighboring states while the remaining 76 percent was long-haul waste that came from Eastern Pennsylvania and states that do not border Ohio. Figure 2 shows a breakdown of waste origin and amounts. Since 1997, 34 percent of all waste imported into Ohio has originated in New York, 15 percent from New Jersey and 20 percent from Pennsylvania.

Where is the waste going?

Landfills in the northeast region of Ohio received 77 percent of the solid waste imported in 2003. Approximately 13 percent was disposed of in landfills located in the northwest region of the state while the remaining 10 percent was divided among the southwest and southeast regions.

The central region of Ohio received less than one percent of imported waste, as seen in Figure 3 on page 2.

In 2003, 23 municipal landfills, two scrap tire monofills, one incinerator and one hazardous waste treatment facility that is licensed to treat a very small amount of municipal solid waste received imported waste. The majority of out-of-state waste (87 percent) was disposed of at seven facilities as shown in Figure 4 on page 2. These facilities combined have received 87 percent of all out-of-state waste imported into Ohio during the past five years.

More than 40 percent of all solid waste imported into Ohio in 2003 was disposed of at the BFI Carbon Limestone Sanitary Landfill. This facility received 1,021,004 tons of out-of-state waste, representing 68 percent of all waste disposed there. Another 22 percent of all waste imported into Ohio was disposed at American Landfill, accounting for 34 percent of their total waste volume.

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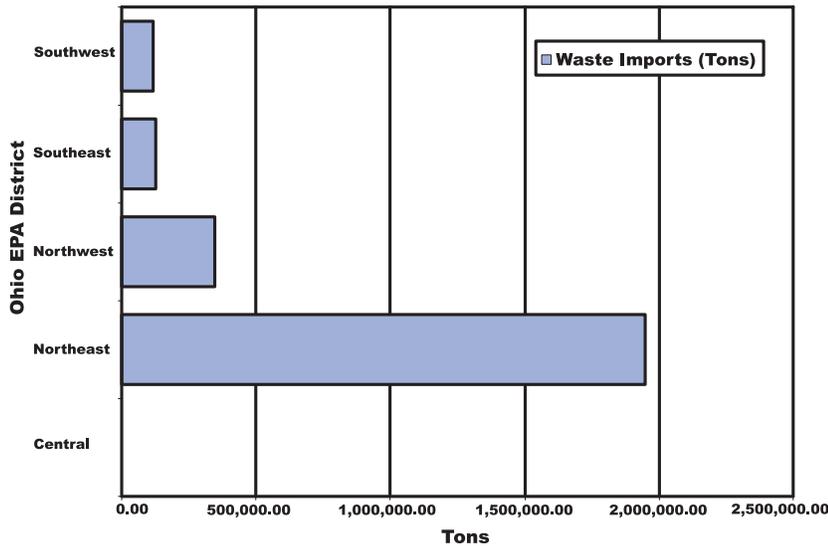


Figure 3: Waste Imports by Ohio EPA District Office, 2003

Why are we accepting out-of-state waste?

Federal courts have held that shipments of waste are protected under the interstate commerce clause of the Constitution. As a result, state and local governments may not prohibit private landfills from accepting out-of-state waste, nor may they impose fees on waste disposal that discriminates on the basis of origin.

Before anything can be done to address the issue at the state level, the U.S. Congress must pass legislation to grant states the right to restrict the amount of out-of-state waste they import. The Governor and Ohio EPA have advocated this type of legislation for many years.

Why is out-of-state waste a concern?

It is difficult or sometimes impossible for state and local inspectors to verify that hazardous or untreated infectious waste has not been included in solid waste shipments that are shredded or heavily compacted before being shipped long distances.

Citizen opposition to landfills that are perceived to serve primarily out-of-state waste hinders siting the facilities necessary to provide disposal capacity for Ohio's waste. In addition, citizens are reluctant to reduce or recycle waste when they believe their efforts will only serve to make room for trash from other states.

With the passage of Ohio's comprehensive solid waste law, H.B. 592, Ohio took a step toward responsibly managing Ohio's waste by assuring in-state capacity for solid waste generated in Ohio and by setting state recycling goals. However, while Ohio takes the necessary steps to manage its own waste responsibly,

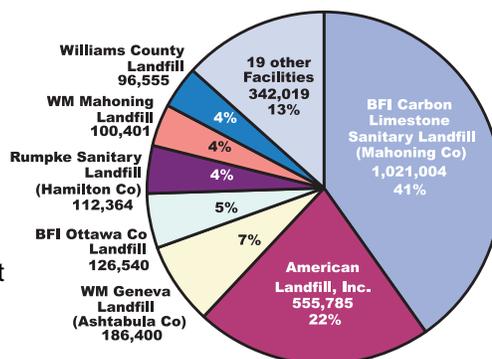


Figure 4: Facilities Accepting Out-of-State Waste

there is some concern that it will become a destination of choice for waste from other states not making the same effort.

Is Ohio exporting waste?

In addition to importing waste from other states, Ohio also exports waste to Michigan, Kentucky, West Virginia, Pennsylvania and Indiana. In 2003, 1,021,341 tons of waste received at Ohio's solid waste facilities was shipped to facilities in contiguous states, as seen in Table 1 below.

Table 1: Ohio Solid Waste Imports and Exports for 2003

Waste Received at Solid Waste Facilities in Ohio and Sent to Facilities in Contiguous States

Imports (in tons)	
New York	887,297
Pennsylvania	467,042
New Jersey	431,086
Connecticut	234,311
Indiana	157,512
Massachusetts	120,450
West Virginia	113,844
Kentucky	46,307
Michigan	45,561
Rhode Island	17,301
New Hampshire	14,521
Virginia	1,374
Maryland	1,332
14 Other States	3,116
Total Imports	2,541,074

Exports (in tons)	
Ohio to Michigan	415,484
Ohio to Kentucky ¹	318,041
Ohio to West Virginia	188,358
Ohio to Indiana	138,841
Ohio to Pennsylvania	41,617
Total Exports	1,102,341

¹ Export data for Kentucky was unavailable at the time of printing. The amount exported to KY is based on the average amount Ohio exported to Kentucky between 1997 and 2002.

Import amounts are from an annual summary of the daily log at facilities accepting solid waste for disposal in Ohio. Export amounts are based on information provided by Ohio EPA's analogous agencies in contiguous states and Ohio's SWMDs.

OHIO SOLID WASTE IMPORTS AND EXPORTS FOR 2003

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West Virginia 113,844 tons	
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