

http://www.epa.gov/cgi-bin/broker?view=STCO&trilib=TRIQ0&state=26&SFS=YES&year=2008&_service=oiiaa&_program=xp_tri.sasmacr.tristart.macro

Last updated on Saturday, December 12th, 2009.



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2008 State Fact Sheet

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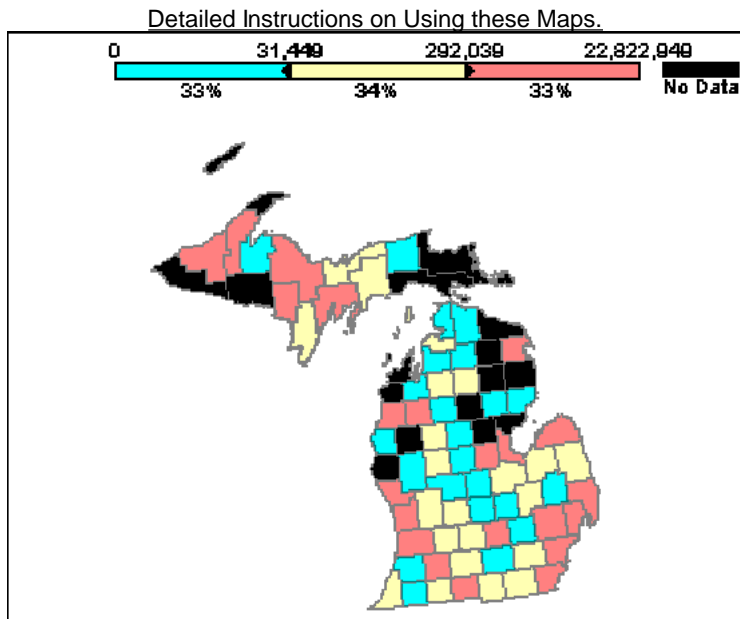
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Michigan

Data source: Release Year 2008 national analysis data set frozen on September 17, 2009 and released to the public in December 2009

Reported Disposal or Other Releases and Other Waste Management Activities (in pounds)

	Total
On-site Disposal to Class I Underground Injection Wells, RCRA Subtitle C Landfills, and other Landfills	
Class I Wells	371,212
RCRA Subtitle C Landfills	2,440,881
Other Landfills	10,111,231
SubTotal	12,923,324
Other On-site Disposal or Other Releases	
Fugitive Air Emissions	2,429,211
Point Source Air Emissions	42,837,921
Surface Water Discharges	2,314,242
Class II-V Wells	0
Land Treatment	750
RCRA Subtitle C Surface Impoundment	0
Other Surface Impoundments	6,397,084
Other Land Disposal	754,219
SubTotal	54,733,426
Total On-site Disposal or Other Releases	67,656,750
Off-site Disposal to Class I Underground Injection Wells, RCRA Subtitle C Landfills, and other Landfills	
Underground Injection to Class I Wells	42,371
RCRA Subtitle C Landfills	959,148
Other Landfills	24,582,009
SubTotal	25,583,528
Other Off-site Disposal or Other Releases	
Storage Only	4,037
Solidification/Stabilization (metals only)	652,896
Wastewater Treatment (metals only)	198,410
Transfers to POTWs (metals only)	137,407
Underground Injection to Class II-V Wells	0
RCRA Subtitle C Surface Impoundment	0
Other Surface Impoundments	0



The map colors counties according to the total on-site disposal or other releases reported by TRI facilities in the county.

State/TRI Data	
Population	10,003,422
Square Miles	96,716
Total Facilities	774
Total Forms	3,079
Form As	261

On- and Off-site Waste Management (in pounds)	Total
Recycled On-site	135,123,460
Recycled Off-site	67,691,475
Energy Recovery On-site	9,390,291
Energy Recovery Off-site	36,669,189
Treated On-site	113,628,029
Treated Off-site	17,905,834
Total On-site Disposal to Class I Underground Injection Wells, RCRA Subtitle C Landfills, and Other Landfills	12,625,118
Total other On-site Disposal or Other Releases	54,690,684

Land Treatment	4,491	Total Off-site Disposal to Class I	
Other Land Disposal	195,208	Underground Injection Wells, RCRA	
Other Off-site Management	793,145	Subtitle C Landfills, and Other	
Transfers to Waste Broker		Landfills	26,380,754
for Disposal	379,721	Total other Off-site Disposal or Other	
Unknown	49,986	Releases	2,572,449
SubTotal	2,415,300	Total Production-related Waste	
Total Off-site Disposal or		Managed	476,677,283
Other Releases	27,998,828	Non-production-Related Waste	
Total On- and Off-site		Managed	317,665
Disposal or Other Releases	95,655,578		

For More Information . . .

Transfers Off-site for Further Waste Management (in pounds)

Management (in pounds)	151,144,242
Recycling	67,567,110
Energy Recovery	36,713,551
Treatment	8,136,231
POTWs	10,060,073
Metals and Metal Compounds	137,407
Non-metal TRI Chemicals	9,922,666
Other Off-site Transfers	3,767
Other Transfers Off-site for Disposal or Other Releases	28,663,511

State Contact

[TRI State Contacts](#)

EPA Regional Contact

[TRI Regional Contacts](#)

Note:

On-site Disposal or Other Releases include Underground Injection to Class I Wells (Section 5.4.1), RCRA Subtitle C Landfills (5.5.1A), Other Landfills (5.5.1B), Fugitive or Non-point Air Emissions (5.1), Stack or Point Air Emissions (5.2), Surface Water Discharges (5.3), Class II-V Wells (5.4.2), Land Treatment/Application Farming (5.5.2), Surface Impoundments (5.5.3) and Other Land Disposal (5.5.4). Off-site Disposal or Other Releases include from Section 6.2 Underground Injection (M71), RCRA Subtitle C Landfills (M65), Other Landfills (M64, M72), Storage Only (M10), Solidification/Stabilization - Metals and Metal Compounds only (M41 or M40), Wastewater Treatment (excluding POTWs) - Metals and Metal Compounds only (M62 or M61), Surface Impoundments (M63), Land Treatment (M73), Other Land Disposal (M79), Other Off-site Management (M90), Transfers to Waste Broker - Disposal (M94, M91), and Unknown (M99) and, from Section 6.1 Transfers to POTWs (metals and metal compounds only).

Off-site disposal or other releases show only net off-site disposal or other releases, that is, off-site disposal or other releases transferred to other TRI facilities reporting such transfers as on-site disposal or other releases are not included to avoid double counting.

Transfers to Recycling are Section 6.2, sum of Solvents/Organics Recovery (M20), Metals Recovery (M24), Other Reuse or Recovery (M26), Acid Regeneration (M28) and Transfer to Waste Broker - Recycling (M93)). Transfers to Energy Recovery are Section 6.2, sum of Energy Recovery (M56) and Transfer to Waste Broker - Energy Recovery (M92)). Transfers to Treatment are Section 6.2, sum of Solidification/Stabilization (M40, except for metals and metal compounds), Incineration/Thermal Treatment (M50), Incineration/Insignificant Fuel Value (M54), Wastewater Treatment (excluding POTWs) (M61, except for metals and metal compounds), Other Waste Treatment (M69) and Transfer to Waste Broker - Waste Treatment (M95)). Transfers to POTWs (non-metals) are Section 6.1 (except metals and metal compounds). Transfers to POTWs (metals and metal compounds) are Section 6.1 (metals and metal compounds only). Other off-site transfers are Section 6.2 sum of amounts with no code or invalid code.

Other transfers off-site to disposal or other releases do not include transfers to POTWS of metals and metal compounds and are Section 6.2, sum of Underground Injection (M71), RCRA Subtitle C Landfills (M65), Other Landfills (M64), Storage Only (M10), Solidification/Stabilization - Metals

and Metal Compounds only (M41), Solidification/Stabilization (M40 metals and metal compounds only), Wastewater Treatment (excluding POTWs) - Metals and Metal Compounds only (M62), Wastewater Treatment (excluding POTWs) (M61 metals and metal compounds only), Surface Impoundments (M63), Land Treatment (M73), Other Land Disposal (M79), Other Off-site Management (M90), Transfers to Waste Broker - Disposal (M94 or M91), and Unknown (M99).

A choropleth map is a map which colors regions or areas according to the value of data defined for that area. The choropleth maps presented here color states, or counties, according to aggregations of TRI data reported by facilities in that area. Coloring an area with one color is not meant to imply that the TRI amounts are uniformly distributed throughout that area; instead it should be interpreted as a color representing, for example, the total amounts reported by facilities in that area. Choropleth maps are one of the most commonly used means of displaying areal data.

Population for states and Puerto Rico from <http://www.census.gov/popest/states/NST-ann-est.html> [EXIT Disclaimer](#)

For Island areas from <http://www.census.gov/population/www/cen2000/islandareas.html>

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Square miles from http://www.census.gov/population/censusdata/90den_stco.txt [EXIT Disclaimer](#)

Total Facilities is the number of facilities located within the jurisdiction that submitted at least one TRI Form for 2008. Total Forms is the number of TRI Forms submitted from facilities located within the jurisdiction for 2008. Form As is the number of TRI Form As submitted by facilities located within the jurisdiction for 2008.

On- and Off-site Waste Management from Section 8, Column B (Recycled On-site (8.4), Recycled Off-site (8.5), Energy Recovery (8.2), Energy Recovery (8.3), Treated On-site (8.6), Treated Off-site (8.7) and Quantity Disposed of or Otherwise Released On- and Off-site (8.1)).
Non-production-related waste managed from Section 8.8.

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