



Michigan Department of Environmental Quality
Waste and Hazardous Materials Division

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MICHIGAN MANIFEST HISTORY

- Collected manifests since 1980.
(we had a state manifest before EPA issued the first uniform manifest).
- Manifest data was first entered into a mainframe system in starting in 1981.
- This was converted to an access database in 1998 when the mainframe was dying.
- In 2001, we converted the manifest data from 1989 into the current SQL database.
- We process approximately 127,000 generator side manifests and 148,000 TSDF side manifests per year.

Data collection methods

- Up until recently the only method for submittal of manifest data was mail, specifically
 - Michigan generators mailed the MDEQ copies of manifests for waste shipped off-site, and
 - Michigan TSDFs mailed the MDEQ copies of any manifests receive on-site or shipped off-site.
- The MDEQ also collects 'monthly operating reporting' data from TSDFs for waste generated and managed on-site.
- All of the data is then keyed into the state database.

USES FOR MANIFEST DATA

Manifest data has many uses in Michigan because it is available in a database for use within 30-40 days from the month the waste was shipped - 'real-time'. The uses include targeting sites for waste minimization, trends in waste flows and volumes, targeting sites for inspections, or mailings on rule changes.



- The MDEQ launched e-Waste that collects two types of information from TSDFs to save time and paper.
 - Manifest for waste received on-site, and
 - waste generated and managed on-site

go to

<http://www.michigan.gov/deq/>

Then click on [WASTE](#) (left side); [Hazardous and Liquid Industrial Waste](#) (left side); [Hazardous and Liquid Industrial Waste Management](#) (center left); [Treatment, Storage and Disposal Facilities under Information](#) (center)

This is the location of updated lists containing all of the nationally issued EPA id numbers

- Within e-Waste, there are two modes of data entry: manual data entry using the provided screens, or direct data importing using e-Waste's data import processing engine. When files are created for export from e-Waste there are edit checks built in. The edit check for the id number is for format only.
- If e-Waste is used properly and consistently, a significant portion the requirement for submitting the Biennial Report is already complete for participating TSDFs (EPA WR-forms and a portion of EPA GM-forms).

NEW USES FOR MANIFEST DATA

- In Michigan, all sites subject to biennial reporting receive a pre-populated report. The site is asked to add data where missing or correct data for the following:
 - Site identification form with basic site location, contact, site activity information
 - Generator **manifest** confirmation form with basic data on all manifested waste shipped off-site. The generator added the biennial reporting codes (source code and management code) for each line of waste on the manifest at this time.
 - Any TSDf received a TSDf **manifest** confirmation form (if they did not use e-Waste) with basic data on all manifests of waste received on-site and they provided the management code at this time.
 - Any TSDf also received a waste generated and managed on-site form (if they did not use e-Waste) to add the source and management code.
- This reduced the time and cost burden to sites for completing a biennial report, allowed sites an easy method to verify the manifest data, and to provide up-to-date site information. For example, large quantity generators with 4-15 shipment of hazardous waste per year, estimated that it took about a day to complete the biennial report compared but with the pre-populated forms based on manifest data it takes about an hour.

SITE IDENTIFICATION VERIFICATION



Replaces an authority of the Hazardous Waste and Environmental Protection Act, 1994
P.A. 267, as amended. File as required in the format or payment as directed on this permit.

<p>I. The form is being submitted (see instructions on page 6) CHECK CORRECT BOX(ES)</p>	<p><input type="checkbox"/> as initial notification: to notify as a new site or new owner for the site with previously issued site id number (include \$50.00 user charge fee and submit the form and check to: DEQ OFFICE OF FINANCIAL MANAGEMENT)</p> <p><input type="checkbox"/> as subsequent notification: to change, update, or verify site information for an existing owner of a site with a previously issued site id number (submit to WWHMD-MDEQ)</p> <p><input type="checkbox"/> as a component of a Hazardous Waste Permit Part A (submit to WWHMD-MDEQ)</p> <p><input type="checkbox"/> as a component of the Hazardous Waste Report (annual report) (submit to WWHMD-MDEQ)</p>										
<p>II. Site's ID Number</p>	<p>A. Site's Identification (ID) Number: M1008580346</p>										
<p>III. Name of Site (In citation on page 7) TYPE OR PRINT CLEARLY</p>	<p>A. Legal company name: ALLIED FINISHING INC</p> <p>B. Site Specific name (d/b/a): ALLIED FINISHING INC</p>										
<p>III. Correct the Name of Site or add missing information below: (TYPE OR PRINT CLEARLY)</p>											
<p>A. Legal company name:</p>	<p>.....</p>										
<p>B. Site Specific Name (d/b/a):</p>	<p>.....</p>										
<p>IV. NAICS Code(s) instructions - page 8:</p>	<p>A. <u>332813</u> B. C. D.</p>										
<p>IV. Correct the NAICS Code(s) for the Site or add new code(s) - up to four code(s). (TYPE OR PRINT CLEARLY)</p>											
<p>A. B. C. D.</p>	<p>.....</p>										
<p>V. Site Location Address and Other Site Information (In citation on page 8) TYPE OR PRINT CLEARLY</p>	<table border="1"> <tr> <td colspan="2">Street Address: 4100 BROADMOOR AVENUE</td> </tr> <tr> <td>City, Town, or Village: GRAND RAPIDS</td> <td>State: MI</td> </tr> <tr> <td>Province or Subdivision:</td> <td>Country: U.S.A.</td> </tr> <tr> <td>County Name (if only): KENT</td> <td>Zip/Postal Code: 49512</td> </tr> <tr> <td>Site Tax Identification Number: 330000050</td> <td>Number of Employees: 172</td> </tr> </table>	Street Address: 4100 BROADMOOR AVENUE		City, Town, or Village: GRAND RAPIDS	State: MI	Province or Subdivision:	Country: U.S.A.	County Name (if only): KENT	Zip/Postal Code: 49512	Site Tax Identification Number: 330000050	Number of Employees: 172
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<p>Street Address:</p>	<p>.....</p>										
<p>City, Town, or Village:</p>	<p>..... State:</p>										
<p>Province or Subdivision:</p>	<p>..... Country:</p>										
<p>County Name (if only):</p>	<p>..... Zip Code:</p>										
<p>Site Tax ID Number:</p>	<p>..... Number of Employees:</p>										
<p>VI. Site Mailing Address</p>	<p>Mailing Name (if different than Name of Site):</p>										

WHAT IS MISSING FROM THE MANIFEST DATA PICTURE FOR STATE THAT COLLECT THE DATA

We can not cross check all manifest data because we do not have the national picture. Having this data would, for example:

- provide a more accurately reflection to the public on what sites generated what hazardous waste
- allow sites (generators and TSDFs) a complete inventory of what waste shipments are attributed to their site
- give a complete picture of hazardous waste generation and movement

MISSING THE 'BIG' PICTURE

This is where a national e-Manifest system steps in:

- Finally have a cradle-to-grave tracking system.
- There would be one set of file formats.
- TSDFs would submit the data once
- There would be one set of upgrades to deal with.
- There could be instant edit checks.
- States and sites would be able to cross check data to verify that it is correct.
- The data would be available in 'real' time instead of the current biennial reporting data which is 3+ years old.
- In Michigan, for example, with the new proposed manifest format TSDFs would enter a management code which would allow generators to confirm how their waste was managed and would allow us the ability to pre-populate even more data on the biennial report.