



**Notification
Accumulation
& Manifesting**



Michigan Environmental Compliance Conference

Christine Grossman
Compliance Assistance Specialist
Waste Regulations
grossmanc@michigan.gov
517-373-0590

Environmental Assistance Center (EAC)

Phone: **1-800-NO2-WASTE**
(1-800-662-9278)

Hours: 8:00 a.m. to 5:00 p.m.
Monday through Friday

Technical Assistance Services Include:

Air	Shoreline Development
Waste	Brownfield Redevelopment
Water	Site Remediation
Wetlands	Storage Tanks

Waste Session 2

- Generator Requirements for:
 - Notification
 - Accumulation
 - Manifesting

Notification

Site (EPA)

Identification Number

Site Identification Directions EQP5150 revised 05/05

This is the replacement form for:
U.S. Environmental Protection Agency Notification of Regulated Waste Activity Form 8700-12
U.S. Environmental Protection Agency Hazardous Waste Permit Part A Form 8700-22
Michigan Identification of Regulated Waste Activity Form
Michigan Identification and Certification Form for EPA Form 8700-12/42
and is
used in conjunction with the Michigan Hazardous Waste Permit Part A Form 82P5111

Jennifer Greivson, Governor
Steven E. Chester, Director
Michigan Department of Environmental Quality
Waste and Hazardous Materials Division

Notification of Regulated Waste Activity

(Rule 303 and Section 12103)

- Requires submittal of completed Site Identification Form (EQP 5150)

<p>Required under authority of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended. Failure to submit this information may result in civil or criminal penalties.</p>	<p>MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY Waste and Hazardous Materials Division</p> <p>SITE IDENTIFICATION</p>	
<p>I. The form is being submitted</p> <p>CHECK CORRECT BOX(ES)</p> <p>If submitting a subsequent notification you can contact the MDEQ-WHMD District or Lansing office for a pre-populated form. For locations and phone numbers go to www.michigan.gov/deq.</p>	<p><input type="checkbox"/> as initial notification: to notify as a new site or new owner for the site: Mail this form and the user charge fee with either a receipt from paying the \$50.00 fee on-line using a Master Card, VISA, or Discover Card (https://www.thepayplace.com/mi/deq/siteid) or by check made payable to the State of Michigan. <u>Mail to MDEQ Revenue Office - HWCU, PO Box 30657, Lansing, MI 48909-8157</u> OR</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: <u>Mail directly to WHMD-MDEQ at WHMD-MDEQ, Notification Unit, PO Box 30241, Lansing, MI 48909-7741</u> if a fee is not required. Otherwise submit to MDEQ Revenue Office (see above).</p> <p>AND ANY OF THE FOLLOWING</p> <p><input type="checkbox"/> as a component of a Hazardous Waste Permit Part A (submit to WHMD-MDEQ)</p> <p><input type="checkbox"/> as a component of the Hazardous Waste (biennial) Report (submit to WHMD-MDEQ)</p>	
<p>II. Site's ID Number</p>	<p>A. Site's Identification (ID) Number:</p>	
<p>III. Name of Site</p> <p>TYPE OR PRINT CLEARLY</p>	<p>A. Legal Company Name:</p>	

Notification of Regulated Waste Activity

(Rule 303 and Section 12103)

- Requires payment of a \$50 user charge for new/initial or subsequent/updated owner/operator notifications
- Notifies DNRE & EPA of:
 - site owner/operator
 - site contact
 - site waste activity

Notification of Regulated Waste Activity

(Rule 303 and Section 12103)

- Results in issuance of a *Site (aka. EPA) Identification Number*
- Submittal of Site Identification Form required for:
 - SQGs & LQGs
 - CESQGs manifesting LIW;
 - transportation of hazardous waste and/or LIW
 - used oil collection & processing
 - large quantity universal waste handlers
 - generators of ≥ 100 PPM PCB wastes

Notification of Regulated Waste Activity

(Rule 303 and Section 12103)

- Subsequent/updated notification filed for changes in site waste activity (e.g. change is generator classification/status)
- Request pre-populated Site Identification Form for subsequent/updated notifications from Lansing Manifest Unit at 517-335-2690

Notification of Regulated Waste Activity

(Rule 303 and Section 12103)

- Expedite form processing by faxing notification & paying on-line with credit card
- Liquid industrial waste generators who are not required to manifest wastes are not required to notify

A large warehouse filled with hundreds of metal drums, illustrating the concept of accumulation. The drums are arranged in long, parallel rows that stretch deep into the background. The lighting is bright, coming from large windows on the right side of the frame. The overall scene conveys a sense of vast storage and quantity.

Accumulation

Accumulation Requirements for All Generators

(Satellite, CESQG, SQG, and LQG)

- Characterize wastes and maintain records for 3 years from last off-site shipment or on-site treatment and/or disposal
- Obtain and utilize Site ID Number if LQG, SQG, or CESQG manifesting waste for disposal
- Keep records of all hazardous waste generated, treated and/or disposed on-site
- Keep records of HW generated monthly to verify generator status/classification

Accumulation Requirements for All Generators

(Satellite, CESQG, SQG, and LQG)

- Container or tank accumulation only
- Containers/tanks must be compatible with the wastes, closed, and in good condition
- Protect waste from weather, physical damage, fire, and vandals
- Accumulation conducted to prevent escape of wastes/waste constituents to air, water, sewers or the ground

Containers must be in good condition and compatible with the waste



Note
corrosive
label



Drums must be
compatible with
the waste!

Excessive
corrosion
and rust

Incompatible corrosives in leaking steel drums



Note
corrosive
label

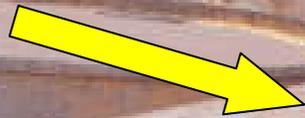
2007/11/14

Excessive rust



Danger!!

**Excessive
pressure**





COMPONENT

A

ISOCYANATE

Dents, broken seams, etc.

KEEP CONTAINER TIGHTLY SEALED
BY ALL TIMES
STORE IN A
COOL, DRY PLACE
TEMPERATURE BETWEEN
50 TO 70°F
SPECIAL PRECAUTIONS ARE SHOWN
FOR COMPONENTS ARE SOLD
FOR INDUSTRIAL
USE ONLY



Containers cannot be exposed to weather or vandals



Compromised fencing provides access to vandals



Containers cannot be exposed to weather or vandals



Good labeling

Good containers

Closed containers

No weather protection

Accessible to vandals

No containment

**Container must
be stored to prevent
physical damage**

**Unsafe pallets
Stacked too high
Inadequate aisle space**

Drums must be stored closed!
(solids and liquids)



Best option is to close containers manually!

Drum bung in place

04/26/2006

Funnels must allow for closure of the container to prevent emissions and spillage



Notice the
splashing on
wall



EAGLE
DRUM FUNNEL
MODEL NO. 1000
Eagle Manufacturing Company
Holland, MI 49423

HEIDELBERG

Funnel is removed

HAZARDOUS WASTE
FEDERAL LAW PROHIBITS IMPROPER DISPOSAL
A FINE AND/OR IMPRISONMENT MAY BE ASSESSED FOR
VIOLATIONS OF THIS ACT AND FEDERAL REGULATIONS
UNDER THIS ACT.
UNIVERSITY MICROFILMS
SERIALS ACQUISITION
300 N ZEEB RD
ANN ARBOR MI 48106
TEL: 734 769 0000 FAX: 734 769 0001
E-MAIL: umi@umich.edu
HANDLE WITH CARE!
CONTAINS HAZARDOUS OR TOXIC WASTE

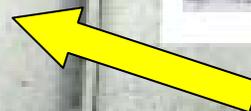
Bung is replaced



Notice the
valve?

If kept closed it
would be OK

349



Lidded funnel



Ball valve must be closed



**Accumulation must prevent the escape of
waste to the environment**

2007/11/14

CESQG Exemption Records

(Section 11138 & Rules 205, 302 & 307)

Records required to be maintained for 3 years to verify the CESQG exemption:

- Waste characterizations
- Monthly waste volumes (show generate < 220 lbs per month)
- Manifests and/or disposal receipts/logs showing proper disposal of CESQG wastes under Parts 31, 121, 115

See DNRE Publication
Center CESQG Guidance

CESQG Exemption Requirements (0 - < 220 lbs/mo)

- Must get Site/EPA ID number to manifest liquids, solids exempt
- Must generate < 220 lbs/mo
- No accumulation time limit
- Maximum volume < 2200 lbs
- CESQG's \geq 2200 lbs are SQG
- No user fees

**DO NOT
EXCEED!!**

CESQG Disposal Options (0 - < 220 lbs/mo)

- Licensed Hazardous Waste Facility
- Licensed Solid Waste Facility (solids only, no liquids)
- Facility that will recycle or arrange for recycling
- Off-site or on-site WWTP if in compliance with pre-treatment rules

Additional SQG & LQG Accumulation Requirements

See DNRE Publication
Center SQG Guidance

- Date and Label Containers
- 90/180 day accumulation limit (LQG/SQG)
- Subpart AA, BB, CC (LQG)
- Provide secondary containment (LQG/SQG > 2200 lbs)
- Provide proper training
- Prepare emergency response plans
- Conduct frequent inspections
- Use licensed hazardous waste disposal sites
- Follow preparedness and prevention rules
- File a Biennial Report every 2 years (LQG)



Hazardous Waste Accumulation Label

HAZARDOUS WASTE

ACCUMULATION

START DATE

CONTENTS

09/05

FOOD

HANDLE WITH CARE!

CONTAINS HAZARDOUS OR TOXIC WASTES

BRADY SIGNMAF

Date by day,
not month
(mm/dd/year)

Hazardous Waste Shipping Label



HAZARDOUS WASTE

FEDERAL LAW PROHIBITS IMPROPER DISPOSAL.
IF FOUND, CONTACT THE NEAREST POLICE OR PUBLIC SAFETY
AUTHORITY OR THE U.S. ENVIRONMENTAL PROTECTION AGENCY.

GENERATOR INFORMATION:

NAME: POLY METALS WY 08300H
ADDRESS: 1770 PLAINFIELD N.E. PH: 800000
CITY: GRAND RAPIDS STATE: MI ZIP: 49505
EPA ID NO. / MANIFEST DOCUMENT NO.: R10072592803 /
ACCUMULATION START DATE: 1/15/06 EPA WASTE NO.: F001

HAZARDOUS WASTE (HAZMAT) RELATED MATERIAL - UN1243
(F001) (F003) (U001) (U035) PG. 11

USE PROPER SHIPPING NAME AND OR OR HAZ. NO. WITH PREFIX.
HANDLE WITH CARE!
STYLE 6FWH

Hazardous Waste Shipping Labels

HAZARDOUS WASTE
FEDERAL LAW PROHIBITS IMPROPER DISPOSAL
 IF FOUND, CONTACT THE NEAREST POLICE OR PUBLIC SAFETY AUTHORITY OR THE U.S. ENVIRONMENTAL PROTECTION AGENCY

GENERATOR NAME _____ EPA # _____

ADDRESS _____ CITY _____ STATE _____ ZIP _____

EPA/DOT SHIPPING DESCRIPTION
 (PROPER SHIPPING NAME — UNNA NO. — CONSTITUENTS OR EPA WASTE CODE/CHARACTERISTIC)

DATE OF FINAL ACCUMULATION _____ SATELLITE ACCUMULATION _____ EMERGENCY RESPONSE GUIDE # _____

WHEN HANDLING OR DURING ROUTINE OR EMERGENCY EXPOSURE TO THE HAZARDOUS WASTE IN THIS CONTAINER, USE THE SAFETY EQUIPMENT CHECKED BELOW:

<input type="checkbox"/> Hard Hat	<input type="checkbox"/> Respiratory Protection
<input type="checkbox"/> Safety Glasses	<input type="checkbox"/> Air-Purifying Respirator
<input type="checkbox"/> Safety Goggles	Type _____
<input type="checkbox"/> Full Face Shield	<input type="checkbox"/> Fully Encapsulated Suit
<input type="checkbox"/> Protective Gloves	<input type="checkbox"/> Airborne Supplying Respirator
<input type="checkbox"/> Splash Apron	Type _____
<input type="checkbox"/> Protective Boots	

ACCEPTANCE ATTSDF _____

MANIFEST DOCUMENT # _____

REPORTABLE QUANTITY "RQ" IN POUNDS _____ LBS.

IN THE EVENT OF A SPILL OF THIS HAZARDOUS WASTE, CONTACT THE U.S. COAST GUARD NATIONAL RESPONSE CENTER AT 800-424-6002 FOR INFORMATION AND ASSISTANCE AND THE 911 EMERGENCY PHONE OR THE LOCAL OPERATOR IN THE COMMUNITY WHERE SPILL TOOK PLACE.

© 1994 HAZARDOUS MATERIALS PUBLISHING CO. • (610) 683-6721 • KUTZTOWN, PA 19530



Satellite Containers

(Rule 306(2))

- Container must be at, or near, point of generation and under operator control
- Label at start of filling with “HAZARDOUS WASTE” AND waste code number OR chemical name
- Label when filled or total volume exceeds 55 gallons (1 quart for acute wastes) with accumulation date



Satellite Containers

(Rule 306(2))

- Move container to accumulation area within 3 days of accumulation date



- Fill date = accumulation date
- See Op Memo 111-2 for more information

Satellite Label Example

Orion Assembly
4555 Giddings Rd.
Orion, MI 48359
MID000718544

**HAZARDOUS WASTE
FLAMMABLE
SOLVENT RAGS**

EPA Waste Code: D001

Date Drum is Full: _____ Container Number **8468**

**In Case of Emergency Call Plant Security 5252
For Waste Pick Up Call 5926**

731-6411 (DNR)

SOLVENT RAGS Container Number **8468**

Waste Site Number: _____

Secondary Containment

- **Containers:** 100% of the largest container OR 10% of the total volume stored, whichever is greater (free liquids)
- **Tanks:** 100% of the largest tank PLUS an amount greater than or equal to a 25 year 24 hour rainfall event (if located outside)



See DNRE Publication
Center Guide to
Secondary
Containment

Secondary Containment

- **Container Containment Construction:**
LIQUIDS - Base free of cracks, impervious coating, sealed joints, with base sloped or elevated containers and adequate squirt protection; SOLIDS - sloped area and elevated containers
- Prevent run-on and remove spills/leaks/rain in timely manner
- Required of all LQGs
- Required of SQGs & CESQG storing > 2200 lbs

Lacking or
inadequate
resistant coating
& cracked
surfaces



= non-compliant



Poor joint seals or no coatings can cause major problems!

Non-functional containment





Fabricated sides

Sloping ramp saves backs and reduces spills when moving materials in & out of containment area



Spill pallets OK for solids or single containers, but do NOT provide squirt protection for liquids

- Accumulation area must have adequate space or aisle width to properly inspect containers and for access by emergency personnel
- All labels must be visible for inspections



Good
aisle
space

Precipitation must be removed in a timely manner from containment



How can drums be checked for leaks if buried in snow?

Don't stack more than 2 drums high



Leaning drum is
a safety issue!

Good containment and weather protection



Option for 1 - 2 containers

Locked storage



Good idea for more containers



**Metal building
with built-in
containment**



**Defective tank
containment
due to fracture in
wall**



Note floor drain

Tank Requirements

- Requirements depend when tank began operating: “New” vs “Existing,” but all tanks subject now
- Aboveground vs Underground
- Structural integrity testing required
- Labeled “Hazardous Waste” and meet fire Code (NFPA 704)

Tank Requirements

- Containment and leak detection required
- New or repaired tanks must be certified by an independent professional engineer
- See inspection checklist available at www.michigan.gov/dnre (select “Waste,” “Hazardous and Liquid Industrial Waste,” “Hazardous and Liquid Industrial Waste Management,” and “Hazardous Waste Program Inspection Forms”)

Inspection Requirements

- Weekly for Container Accumulation Areas (SQG and LQG)
- Daily for Tank Systems (SQG and LQG)
- Logs required for all LQG Inspections
- No Log Required for SQG Inspections

**See DNRE Publication Center
Weekly Maintenance Checklist**

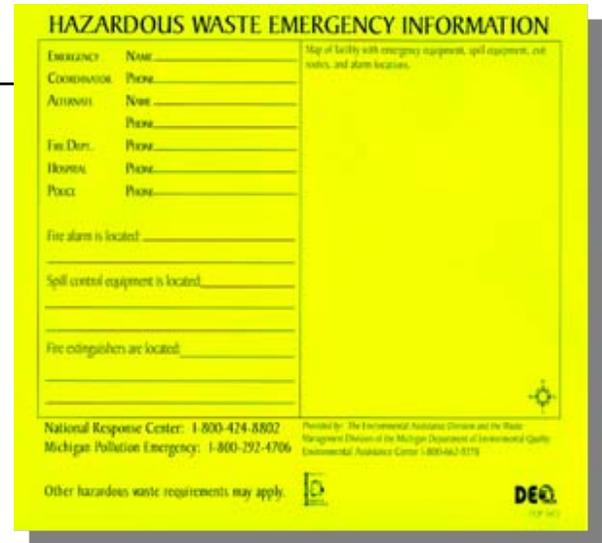
Contingency Planning and Training

CESQG

- No specific requirements

SQG

- Informal training
- Written training records not required
- No stipulated review period
- Must have emergency coordinator
- Post CURRENT emergency information by phones
- Send facility diagram or discuss facility layout, road access, evacuation routes with response agencies
- Ensure emergency coordinator is on premises or on-call nearby



The image shows a yellow form titled "HAZARDOUS WASTE EMERGENCY INFORMATION". The form is designed for facilities to provide emergency contact information and a facility map. It includes the following sections:

- HAZARDOUS WASTE EMERGENCY INFORMATION** (Title)
- Map of facility with emergency equipment, spill equipment, exit routes, and alarm locations.** (Instruction for the map area)
- Contact Information:**
 - Emergency: Name _____
 - Coordinator: Phone _____
 - Attorney: Name _____, Phone _____
 - Fire Dept.: Phone _____
 - Police: Phone _____
 - Post: Phone _____
- Equipment Locations:**
 - Fire alarm is located: _____
 - Spill control equipment is located: _____
 - Fire extinguishers are located: _____
- Footer:**
 - National Response Center: 1-800-424-8802
 - Michigan Pollution Emergency: 1-800-292-4706
 - Other hazardous waste requirements may apply.
 - Logos for the Environmental Assistance Division and the Michigan Department of Environmental Quality.
 - DEQ logo (Michigan Department of Environmental Quality).

Company Name	Address
City	State
Zip	Phone
Emergency Contact Name	Phone
Emergency Contact Address	Phone
Emergency Contact City	Phone
Emergency Contact State	Phone
Emergency Contact Zip	Phone

See DNRE Publication Center
SQG Emergency Posting Form

HAZARDOUS WASTE EMERGENCY INFORMATION

Emergency: Name: James Lambert Phone: 413-281-2004

Company: Name: Chem Corp Phone: (617) 437-2130

Facility: Name: 111

Address: Name: 111-111-1111

City: Name: 111

State: Name: 111

Zip: Name: 111

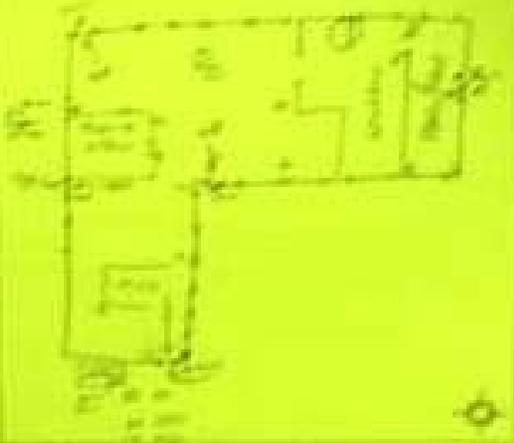
For spills or leaks: 111-111-1111

For equipment failures: 111-111-1111

For releases or leaks: 111-111-1111

Emergency Contact: 1-800-424-6262

Michigan Pollution Emergency: 1-800-271-4766



DEQ



LQG Contingency Planning & Training

- Annual training for employees
- Written training program
- Keep written training records for 3 years
- Must address potential emergencies & DNRE notification of releases
- Training should include a review of contingency plan

See DNRE
Publication Center
LQG Contingency
Guidance



LQG Contingency Planning & Training

- Must have site specific hazardous waste component when given with other required training (Right-to-Know, DOT, etc.)
- CURRENT & complete written contingency plan on-site
- Copies must be distributed to fire dept, police, hospitals
- Must be reviewed annually for needed changes

SQGs & LQGs

Preparedness and Prevention

(40 CFR, Part 265, Subpart C)

- Proper emergency equipment must be available:
 - Communication devices (phones, radios, PA)
 - Portable fire extinguishers/fire control equipment
 - Spill control equipment (absorbents, containers, spill kits)
 - Water for fire control in sufficient volumes
 - Must be tested/maintained as necessary
- Personnel must have immediate access to internal alarm system/communication device (seconds, not minutes)

SQGs & LQGs

Preparedness and Prevention

(40 CFR, Part 265, Subpart C)

- Must maintain sufficient aisle space in hazardous waste handling areas to ensure access of emergency equipment & personnel
- Make arrangements with local authorities in case of emergency
 - Fire department tours and tours by Local Emergency Planning Committee
 - Copies of contingency plan to police, hospitals, and fire department
 - Document visits, agreements, etc.

Manifesting

A grayscale photograph of a modern building with a glass facade. In the foreground, there is a large, curved architectural element, possibly a ramp or a walkway, leading towards the building. The building has several windows and a prominent entrance area. The overall scene is brightly lit, suggesting a sunny day.

Manifests

National Uniform Hazardous Waste Manifest must be used for:

- Hazardous wastes from LQGs
- Hazardous wastes from SQGs
- Liquid hazardous waste from CESQGs
- Non-hazardous liquid wastes from all generators required to manifest for disposal
- Wastes with ≥ 50 PPM PCBs

Exceptions:

- CESQG solid HW,
- Non-hazardous solid waste
- Consolidate manifest shipments (e.g. used oils₀₉ antifreeze, see Op Memo 121-3)

Manifests

For information to order manifests or review on-line instructions to complete a manifest:

- Go to www.michigan.gov/dnre, select “Waste,” then “Uniform Manifest Information”

Manifest Sections

Generator

International Transporter

Destination Facility

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number 000061119 FLE
5. Generator's Name and Mailing Address			Generator's Site Address (if different than mailing address)		
Generator's Phone:					
6. Transporter 1 Company Name				U.S. EPA ID Number	
7. Transporter 2 Company Name				U.S. EPA ID Number	
8. Designated Facility Name and Site Address				U.S. EPA ID Number	
Facility's Phone:					
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.
1.					13. Waste Codes
2.					
3.					
4.					
14. Special Handling Instructions and Additional Information					
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.					
Generator's/Offeror's Printed/Typed Name		Signature		Month	Day Year
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____					
Transporter signature (for exports only):			Date leaving U.S.: _____		
17. Transporter Acknowledgment of Receipt of Materials					
Transporter 1 Printed/Typed Name		Signature		Month	Day Year
Transporter 2 Printed/Typed Name		Signature		Month	Day Year
18. Discrepancy					
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection					
18b. Alternate Facility (or Generator)				Manifest Reference Number: _____	
Facility's Phone:				U.S. EPA ID Number	
18c. Signature of Alternate Facility (or Generator)				Month	Day Year
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)					
1.	2.	3.	4.		
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a					
Printed/Typed Name		Signature		Month	Day Year



UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number 000061119 FLE	
5. Generator's Name and Mailing Address		Gen Site ID		Gen Emergency Contact		
Generator's Phone:		Gen Name & Mailing Address				
6. Transporter 1 Company Name		Trans Names		U.S. EPA ID Number		
7. Transporter 2 Company Name		Trans Names		U.S. EPA ID Number		
8. Designated Facility Name and Site Address		Trans Site IDs		U.S. EPA ID Number		
Facility's Phone:						
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packaging Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1.	No.	Type			
	2.	Destination Facility Name		Destination Facility Site ID		
	3.					

Generator Manifest Section



Generator's Site Address (if different than mailing address)

Container Number

Total Quantity

Container Type

Weight or Volume

5. Generator's Name and Mailing Address

Generator's Phone:

6. Transporter 1 Company Name

7. Transporter 2 Company Name

8. Designated Facility Name and Site Address

Facility's Phone:

9a. HM 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))

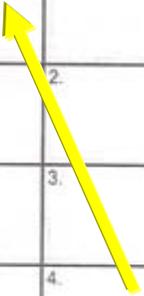
10. Container No. Type

11. Total Quantity

12. Unit Wt/Vol

13. Waste Codes

GENERATOR



US DOT Description (inc. Proper Shipping Name, Hazard Class, ID Number and Packing Group)

Hazardous Material column Enter "X" if material in this row is a hazardous material



Hazardous Waste Codes

Generator Manifest Section



↓	14. Special Handling Instructions and Additional Information			
	15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international, national, and environmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached U.S. Department of Commerce Certificate of Conformity. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.	Generator's/Offeror's Printed/Typed Name		
↓	16. International Shipments	<input type="checkbox"/> Import to U.S.	<input type="checkbox"/> Export from U.S.	Port of entry/exit: Date leaving U.S.:
	17. Transporter Acknowledgment of Receipt of	Generator Certification Printed Name		
↓	Transporter signature (for exports only):	Generator Certification Signature		
	Transporter 1 Printed/Typed Name	Signature	Month	Day
↓	Transporter 2 Printed/Typed Name	Signature	Month	Day
	18. Discrepancy	Transporter Signature		
↑	18a. Discrepancy Indication Space	<input type="checkbox"/> Quantity	<input type="checkbox"/> Type	<input type="checkbox"/> Residue
	18b. Alternate Facility (or Generator):	Manifest Reference Number	U.S. EPA ID Number	
↓	Facility's Phone:	Destination Facility Printed Name		
	18c. Signature of Alternate Facility (or Generator):	Destination Facility Printed Name		
↓	19. Hazardous Waste Report Management Method (and recycling systems)	Destination Facility Printed Name		
	20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in item 19.	Destination Facility Printed Name		
↓	Printed/Typed Name	Signature	Month	Day

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Generator Manifest Section



Common Manifest Errors

#1 – Failure to keep reliable filing system

Wrong waste codes

Wrong volumes

Failure to track manifest time limits

Failure to send copy to DNRE

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0035

UNIFORM HAZARDOUS WASTE MANIFEST 4. Manifest Tracking Number: 000061119 FLE

1. Generator ID Number: _____ 2. Page 1 of _____ 3. Emergency Response Phone: _____

5. Generator's Name and Mailing Address: _____ Generator's Site Address (if different than mailing address): _____

Generator's Phone: _____

6. Transporter 1 Company Name: _____ U.S. EPA ID Number: _____

7. Transporter 2 Company Name: _____ U.S. EPA ID Number: _____

8. Designated Facility Name and Site Address: _____ U.S. EPA ID Number: _____

Facility's Phone: _____

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
		No.	Type			
1.						
2.						
3.						
4.						

14. Special Handling Instructions and Additional Information: _____

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: _____ Signature: _____ Month: _____ Day: _____ Year: _____

16. International Shipments Import to U.S. Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: _____ Signature: _____ Month: _____ Day: _____ Year: _____

Transporter 2 Printed/Typed Name: _____ Signature: _____ Month: _____ Day: _____ Year: _____

18. Discrepancy

18a. Discrepancy Indication Space Quantity Type Residue Partial Rejection Full Rejection

18b. Alternate Facility (or Generator): _____ Manifest Reference Number: _____ U.S. EPA ID Number: _____

Facility's Phone: _____

18c. Signature of Alternate Facility (or Generator): _____ Month: _____ Day: _____ Year: _____

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1. _____ 2. _____ 3. _____ 4. _____

Michigan DNRE
Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a. Signature: _____ Month: _____ Day: _____ Year: _____

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Manifest Procedure

Generator

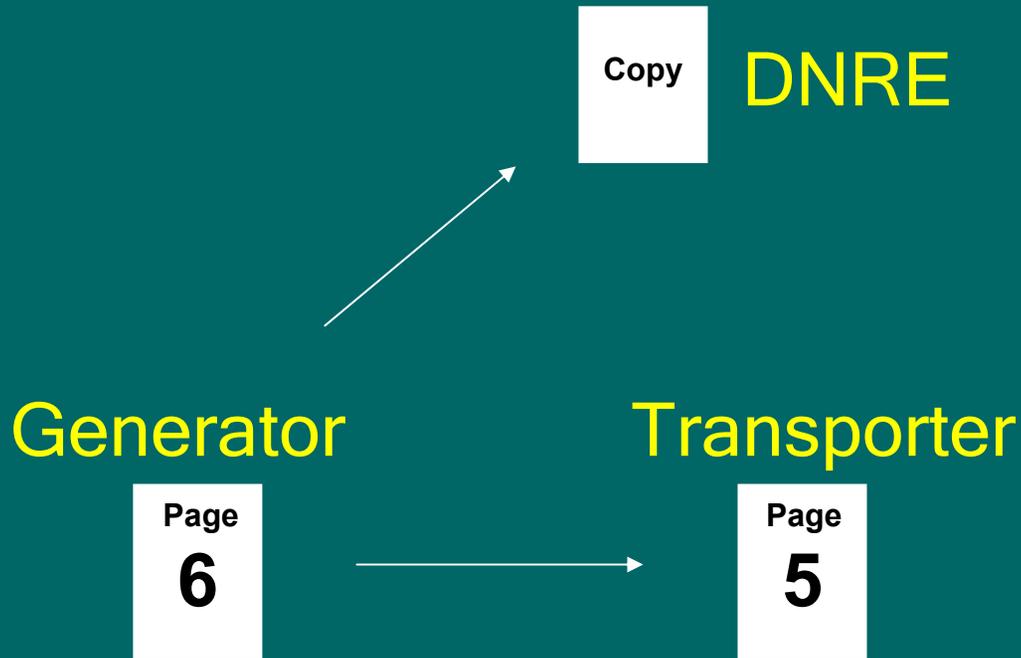
Page

6

#

= page of manifest retained

Manifest Procedure



Generator
sends
DNRE copy
by 10th day
of month
following
shipment

#

= page of manifest retained

Manifest Procedure

Transporter

Page
5



Designated Facility

Page
4



= page of manifest retained

Manifest Procedure

TSD sends DNRE
& Destination State
TSD signed copies
by 10th day of
month following
waste delivery

Page
2

DNRE

Designated Facility

Page
4

Page
1

Destination State
(if required)

= page of manifest retained



Manifest Procedure

TSD sends Generator
TSD signed copy within
30 days of waste
delivery

Generator

Designated Facility

Page

6

Page

3

Page

4



#

= page of manifest retained

Manifest Procedure

If LQG has not received TSD signed copy within 35 days of shipment, LQG must investigate and submit exception report to DNRE if not receiving TSD signed copy within 45 days

Generator

Page
6

Page
3

Designated Facility

Page
4



= page of manifest retained

Manifest Procedure

If SQG has not received TSD signed copy within 60 days of shipment, SQG must submit to DNRE a copy of the manifest and an indication that the SQG has not received confirmation of delivery to the TSD

Generator

the TSD

Designated Facility

Page
6

Page
3

Page
4



#

= page of manifest retained

Manifest Procedure

If a liquid industrial waste generator has not received designated facility signed copy within 35 days of shipment, the generator must investigate and submit exception report to DNRE if not receiving designated facility signed copy within 45 days

Generator

Designated Facility

Page
6

Page
3

Page
4

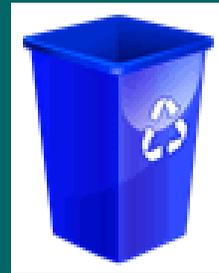


#

= page of manifest retained

Manifest Procedure

Generator keeps
Page 6 copy for at
least 3 years from
date of off-site
shipment



Following Generator receipt of
Page 3 of the manifest with the
TSD signature, Generator can
recycle Page 3 if desired

Need Help?

- Go to www.michigan.gov/dnrewaste
- Contact the DNRE EAC at 1-800-662-9278
- Search the DNRE Publication Center
- Contact DNRE district waste inspection staff
- Contact hazardous waste vendors
- Contact waste consultants