

# Liquid Industrial By-products Designated Facility Requirements

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# Today's Goals

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What is a liquid industrial by-product?

What is a liquid industrial by-product generator, transporter and designated facility?

What are the general liquid industrial by-product handling requirements?

What additional requirements apply to designated facilities receiving liquid industrial by-products?

# Waste Regulations

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Act 451, Michigan Natural Resources & Environmental Protection Act:

Part 111, Hazardous Waste Management

**Part 121, Liquid Industrial By-Products**

Part 115, Solid Waste

Part 169, Scrap Tires

Part 117, Septage

Act 368, Michigan Public Health Code:

Part 138, Medical Waste Regulatory Act

Federal Toxic Substance Control Act (TSCA)

# Liquid Industrial By-products

## Definitions – 12101(n)

A material that is...

- ✓ produced by or is incident to an enterprise or non-household activity
- ✓ liquid as determined by the paint filter test
- ✓ discarded



# Liquid Industrial By-products

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Liquid industrial by-products include:

- most discarded liquids pumped and hauled over public roadway not subject to hazardous waste regulation
- Liquids and sludges sent to a solid waste solidification facility prior to landfilling

*Must be specifically excluded by statute to not be subject to regulation as a liquid industrial by-product*

# Liquid Industrial By-products

## Exclusions - 12101(n)

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Liquid industrial by-product does not include any of the following:

- Hazardous waste from SQGs or LQGs (Part 111)
- Septage waste (Part 117)
- Medical waste (Act 363, Part 138)
- Discarded liquids from residents (Part 115)

# Liquid Industrial By-products

## Exclusions - 12101(n)

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Liquid industrial by-product does not include any of the following:

- Fats, oil, grease managed under Act 239
- Permitted point source wastewater discharges (Part 31 NPDES or groundwater permits)
- Material managed to meet Section 12102a
- Biosolids managed under a residuals management plan (Part 31)

# Liquid Industrial By-products

Definitions – 120101(k)(m), & 12102(m)

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**Generator** - Person whose act or process produces liquid industrial by-product.

**Transporter** - Person engaged in the off-site transportation of liquid industrial by-product by air, rail, public roadway, or water.

**Designated Facility** - Treatment, storage, disposal, or reclamation facility that receives liquid industrial by-product from off-site.



# Liquid Industrial By-products

## Definitions – 12102(a)

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- On-site means on the same geographically contiguous property, which may be divided by a public or private right-of-way if access is by crossing rather than going along the right-of-way.
- On-site includes noncontiguous pieces of property owned by the same person but connected by a right-of-way that the owner controls and to which the public does not have access.

# Liquid Industrial By-products

## Designated Facility Examples

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Central waste treatment facilities

Used oil processors

*Waste water treatment plants*

Hazardous secondary material handlers

Facilities receiving fuel for re-refining (RPP fuel)

CESQG hazardous waste collection sites

# Liquid Industrial By-products

## Designated Facility Examples

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Food waste processors

Renderers

Anaerobic digesters

Biofuel producers

Non-hazardous liquid by-product transporters  
with storage and consolidation facilities

# General Requirements for all Liquid Industrial By-products Handlers - 12112 and 12113

# Liquid Industrial By-products Generation, Transport, Disposal

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Liquid industrial by-product treatment, storage or disposal by the generator, transporter or designated facility must be in containers or tanks.

Liquid industrial by-product treatment, storage or disposal is exempt from Part 121, Section 12112 and 12113 if regulated under part 615, Supervisor of Wells, or regulated under part C of title XIV of the public health service act.

# Liquid Industrial By-products Generation, Transport, Disposal

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Liquid industrial by-product managed by the generator, transporter or designated facility shall be:

- Protected from weather, fire, physical damage and vandals
- All vehicles, containers and tanks used to hold liquid industrial by-product shall be closed or covered, except when necessary to add or remove by-product

# Liquid Industrial By-products Generation, Transport, Disposal

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Liquid industrial by-product managed by the generator, transporter or designated facility shall be managed such that:

- Exterior of all vehicles, containers and tanks used to hold by-product are free of by-product and residues
- All vehicles, containers and tanks must be closed or covered when not in use
- Unless otherwise specifically authorized, by-product cannot be discharged to soil, surface water, ground water, a drain, sewer, or the air

# Liquid Industrial By-products

## What is a Closed Container?

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Regulations do not define “closed container”

Requiring containers to be closed is a means to minimize emissions of volatile wastes, to protect ignitable or reactive wastes from sources of ignition or reaction, to prevent spills, to reduce the potential for mixing of incompatible wastes and reduce direct contact of personnel with waste



# Liquid Industrial By-products

## What is a Closed Container?

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For liquid containers in storage:

- Cover secured with snap rings bolted
- Bungholes capped
- If needed, pressure-vacuum relief valve to avoid explosions

For liquid containers in use:

- Lids properly affixed to prevent spills
- Funnels with manual or spring-loaded lids or tightly screwed into bung hole with a one-way valve

# Liquid Industrial By-products

## What is a Closed Container?

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Non-pressurized mobile oil drain pans, at a minimum, must be emptied when not in use to be considered closed or at the end of the day generally



# Closed Containers

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## Solids



## Liquids



# Closure Devices

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# Liquid Industrial By Products Designated Facility Requirements

# Reporting

## Designated Facility

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Annual report for designated facilities is due by April 30<sup>th</sup> each year starting 2017

Annual report is to describes activities for previous calendar year

Electronic reporting method is required of the DEQ

# Reporting

## Designated Facility

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Required reporting includes:

- Name and address of the designated facility
- Calendar year covered by the report
- Types and quantities of liquid industrial by-product received
- Description of the manner in which the liquid industrial by-product was processed or managed

# Reporting

## Designated Facility

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Liquid industrial by-product waste stream selection options for the 2017 designated facility annual reporting period, include:

- Hazardous Secondary Materials
- Mixed Solvents
- Pharmaceutical
- Crankcase Oil
- Coolants and Water-Soluble Oils
- Other Oil
- Brine
- Pesticides
- PCB
- Landfill Leachate
- Antifreeze
- Storm Sewer Cleanouts
- Sanitary Sewer Cleanouts
- X-Ray/Photo Cleaning Solutions
- Water Based Cleaning Solutions
- Car Wash Sludges
- Grease Trap Wastes
- *Other – Must add description!!!*



# 2016 Reporting

## Designated Facility

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95 submittals

Most cover multiple sites owned and operated by same company

41 used oil processors across state

- 12 submitted 2015 Biennial Reports
- 14 submitted a 2016 Annual Report

# 2017 Reporting

## Designated Facility

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Due April 30, 2018

Reviewing whether single report can be submitted for both Part 111 used oil biennial reporters AND liquid industrial by-products annual reporters

Anticipate significant number of additional reporters

# 2017 Reporting

## Designated Facility

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**Q:** So, what liquid industrial by products designated facilities are required to report?

**A:** Designated Facilities that receive liquid industrial by product from off site are required to submit an annual report.

# Reporting

## Designated Facility

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Reporting does not apply if the designated facility received liquid industrial by-products from only 1 generator and was owned, operated or legally controlled by that generator

# Reporting

## Designated Facility

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What about municipal wastewater treatment plants (WWTP)?

Do they have to submit an annual report?

Answer: Maybe.

# Reporting Designated Facility

## Receiving Facility Reporting Regulations Guide

**DEQ**  
Michigan Department of Environmental Quality

**RECEIVING FACILITY REPORTING REGULATIONS:**  
Biosolids, Medical Waste, Liquid Industrial By-products, Septage, Sanitary Sewer & Combined Sanitary Sewer Wastewaters, and Stormwater

WASTE DESCRIPTION	ACT 451, NREPA* REGULATORY CITATION	RESPONSIBLE DIVISION	REPORTING DUE DATE	ADDITIONAL ONLINE RESOURCES	REPORTED INFORMATION
Separate or combined sanitary sewer system maintenance waste from system subject to Part 31 NPDES or groundwater discharge permit	Part 31, Section 3112a and discharge permit	WRD	Initial report due immediately, no more than 24 hours after the release begins	DEQ SSO-CSO website	Amount and quality of the discharge, cause of the discharge, impacted water and/or land area, beginning and end time of the discharge, and permittee's compliance status.
Biosolids land applied via a Part 31 approved Residual Management Program	Part 31 Subs. Rule 2403(3)	WRD	October 30 of each year	DEQ Biosolids program website	Dry tons of land applied biosolids, analytical data, pathogen and vector attraction reduction documentation, land application site summary, and permittee compliance certifications.
Sewage sludge or other non-hazardous residuals from WWTP failing the paint filter test and being disposed	Part 121, Section 12101(n) and Section 12112(5)	WMRPO	April 30 of each year	Form EOP 1602, Instructions Part 121 Liquid Industrial By-products Reporting Web page	Amount of liquid industrial by-products accepted in prior calendar year (January 1 - December 31)
Combined sanitary sewer system maintenance wastes from a satellite system not subject Part 31 NPDES or groundwater discharge permit	Part 121, Section 12101(n) and Section 12112(5)	WMRPO	April 30 of each year	Form EOP 1602, Instructions Part 121 Liquid Industrial By-products Reporting Web page	Amount of liquid industrial by-products accepted in prior calendar year (January 1 - December 31)
Separate stormwater sewer system maintenance waste (permitted or not permitted)	Part 121, Section 12101(n) and Section 12112(5)	WMRPO	April 30 of each year	Form EOP 1602, Instructions Part 121 Liquid Industrial By-products Reporting Web page	Amount of liquid industrial by-products accepted in prior calendar year (January 1 - December 31)
Industrial and commercial wastewaters and sludges not subject to hazardous waste, medical waste, or septage regulation. <sup>1</sup>	Part 121, Section 12101(n) and Section 12112(5)	WMRPO	April 30 of each year	Form EOP 1602, Instructions Part 121 Liquid Industrial By-products Reporting Web page	Amount of liquid industrial by-products accepted in prior calendar year (January 1 - December 31)
Separate sanitary sewer system maintenance waste from a satellite system not subject to a Part 31 NPDES or groundwater discharge permit	Part 121, Section 12101(n) and Section 12112(5)	WMRPO	April 30 of each year	Form EOP 1602, Instructions Part 121 Liquid Industrial By-products Reporting Web page	Amount of liquid industrial by-products accepted in prior calendar year (January 1 - December 31)
Separate sanitary sewer system maintenance waste transported to same system receiving facility (from a satellite system not subject to a Part 31 NPDES or groundwater discharge permit)	Part 117, Section 11703(5)	DWMAD	March 15 each year with annual invoice	Reporting form EOP 5921, www.michigan.gov/deqseptage	Amount of septage transported or disposed, location where septage was disposed each month in prior calendar year (January 1 - December 31) and any complaints received concerning septage disposal.
Septage waste from on-site wastewater systems <sup>2</sup>	Part 117, Section 11703(5)	DWMAD	March 15 each year with annual invoice	Reporting form EOP 5921, www.michigan.gov/deqseptage	Amount of septage transported or disposed, location where septage was disposed each month in prior calendar year (January 1 - December 31) and any complaints received concerning septage disposal.
Non-hazardous medical wastewaters <sup>3</sup>	Act 368, Part 138 and Part 138 rules	WMRPO	NA	Medical Waste Program Website, www.michigan.gov/toxicwaste	Part 138 does not require reporting. However, IIS DOT shipping documents must be maintained for any medical waste transported.

\*NREPA, National Resource and Environmental Protection Act

<sup>1</sup> Liquid industrial by-products include commercial and industrial wastewaters and sludges that must be hauled over public roadway from operations like food processing or commercial animal boarding, breeding, and sale; car wash, laundromat, and power washing wastewaters and sludges; wineries, breweries, and other wastewaters and sludges from service operations generated by non-households. Also includes fats, oils, and grease or other domestic wastewaters not subject to septage regulation, Part 31 wastewater discharge permitting via permit, rule or order, nor other regulation like hazardous waste, medical waste, etc.

<sup>2</sup> Septage includes only food establishment septage, domestic septage, domestic treatment plant septage, or separate sanitary sewer cleanout septage, or any combination of these. On-site septic systems are permitted and inspected by the local health departments and only designed to handle sanitary wastewater from bedrooms, bathrooms, kitchens and laundry devices.

<sup>3</sup> Non-hazardous medical wastewaters include wastewaters from funeral homes, animal processing, and healthcare (dental, veterinary, family medicine, etc.)

800-662-9278 [www.michigan.gov/deq](http://www.michigan.gov/deq) March 2018

# Septage

Exclusions – 12101(n)(ii)

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**Septage** includes only food establishment septage, domestic septage, domestic treatment plant septage, or separate sanitary sewer cleanout septage, or any combination of these. On-site septic systems are permitted and inspected by the local health departments and only designed to handle sanitary wastewaters from bathrooms, kitchens and laundry devices.

# Part 31 Permitted Point Source

## Exclusions - 12101(n)(iv)

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Liquid industrial by-product does not include permitted direct discharges to sanitary or combined sewer authorized by receiving WWTP.

- Generators must possess/meet WWTP discharge permit (part of waste characterization record).
- Any accumulation before discharge to sewer must meet Part 121.

Receiving WWTP would possess the Water Resources Division (WRD) Part 31 permit exempting the wastewater from Part 121.



# Part 31 Permitted Point Source

## Exclusions - 12101(n)(iv)

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Liquid industrial by-product does not include sanitary or combined sewer systems clean-out waste IF:

- The system is operated by a WRD NPDES or groundwater permitted WWTP
- All indirect releases of clean-out waste (during transport, treatment, etc.) to land or water must
  - 1) be managing to meet WRD permit and
  - 2) be reported to WRD per Part 31, Section 3112a

# Part 31 Permitted Point Source

## Exclusions – 12101(n)(iv)

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Sanitary and combined sewers not possessing a Part 31 NPDES or groundwater permit must be managed to meet Part 121 and facilities receiving these liquids are Part 121 designated facilities.

Sanitary and combined sewer systems expected to not possess a Part 31 NPDES or groundwater permit likely include:

- Systems that convey sanitary and combined sanitary and storm waters to a WWTP owned and operated by another party
- Systems authorized by local health departments, not WRD

# Reporting

So, how does a designated facility report?

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Form and instructions are on the DEQ webpage at [www.michigan.gov/deqwaste](http://www.michigan.gov/deqwaste):

- Select "Hazardous Waste" from left tab
- Select "Hazardous Waste and Liquid Industrial By-products Management" box from center
- Select Part 121 Liquid Industrial By-Products (formerly Liquid Industrial Waste) Reporting

Forms should be submitted to:

- [DEQ-Part-121-Reporting@Michigan.gov](mailto:DEQ-Part-121-Reporting@Michigan.gov)

# Reporting

## So, how does a designated facility report?

The screenshot shows the DEQ website with the following elements:

- Navigation Bar:** DEQ, Contacts, Permits, Online Services, Programs, Locations, MI.gov
- Search Bar:** Search
- Main Navigation:** ABOUT THE DEQ, AIR, LAND, WASTE, WATER, SUSTAINABILITY
- Left Sidebar:** WASTE, Solid Waste, Hazardous Waste, Transporters, Radiological Protection, Waste Compliance & Enforcement
- WASTE Section:** DEQ / WASTE, WASTE, Protecting Michigan's Environment, Many products and by-products can pose a threat to our environment and human health if not handled or disposed of properly. The following DEQ programs deal with waste issues: Hazardous Waste, Liquid Industrial By-Products (formerly Liquid Industrial Waste), Medical Waste, Radiological Protection, Recycling, Scrap Tires, and Solid Waste. In these pages, you will find permit/license application forms, guidance documents, state, federal and local statutory and regulatory information, and grant and loan information available under these programs. Waste Compliance and Enforcement
- Quick Picks:**
  - How Do I Handle This Waste?
  - Find a Recycling or Hazardous Waste Collection Near You
  - Promote Your Recycling or Hazardous Waste Collection
  - Hazardous Waste Biennial Reporting
  - Michigan Site Identification (EQP5150) Form and Directions
  - TSD Facilities
  - Dioxin Information
  - Waste Data System (WDS)
  - Scrap Tire Market Development Grant Program
- Announcements:** Michigan Site Identification Form (directions not included) Revised 5/2010, Michigan Site Identification Directions (form not included), Liquid Industrial By-products Annual Reporting, Hazardous Waste Biennial Reporting, Part 111 Hazardous Waste Management Facility Operating License Major Modification - Wayne Disposal, Inc., MDEQ Minute on Drug Disposal, Arbor Hills Landfill, Hazardous Waste Management Program Long List Subscription, Part 111 Receipt of Request for Site-Specific Land Disposal Restriction Treatability Variance, Hazardous Waste and Liquid Industrial By-Product Regulations Webinar Series, Annual Reports of Solid Waste Landfilled in Michigan
- Spotlight:** Michigan Radiation Environmental Monitoring Program Report

# Reporting

## So, how does a designated facility report?

The screenshot shows the Michigan Department of Environmental Quality (DEQ) website. The main navigation bar includes links for DEQ, Contacts, Permits, Online Services, Programs, Locations, and MI.gov. The page is titled "Hazardous Waste and Liquid Industrial By-Products Management" and provides information on the control of hazardous wastes in Michigan. A red arrow points to the "Liquid Industrial By-products Resources" section, which includes links for Liquid Industrial By-Products (formerly Liquid Industrial Waste) Codes, Part 121 Liquid Industrial By-Products (formerly Liquid Industrial Waste) Reporting, and Part 121 Liquid Industrial By-Products (formerly Liquid Industrial Waste) Statutory Changes.

**DEQ Department of Environmental Quality**

WASTE

**Hazardous Waste and Liquid Industrial By-Products Management**

Control of hazardous wastes in Michigan is accomplished through a set of interrelated actions. These include managing the generation, treatment, storage and disposal of hazardous wastes, licensing and regulating hazardous and liquid industrial by-products (formerly liquid industrial waste) transportation, and informing individuals of the opportunities for proper disposal of hazardous and harmful wastes generated in the home.

**Resources**

- Status of Generator Improvements Rule in Michigan
- Hazardous Waste Management Program Long List Subscription
- Retail Environmental Workgroup
- FY 2018 - 2019 RCRA Grant Work Plan
- Common Generator Violations
- Disposal of Hazardous Waste and Liquid Industrial By-Products (formerly Liquid Industrial Waste) Types
- Generator Resources
- Spill Protection and Reporting
- Treatment, Storage and Disposal Facilities

**Liquid Industrial By-products Resources**

- Liquid Industrial By-Products (formerly Liquid Industrial Waste) Codes
- Part 121 Liquid Industrial By-Products (formerly Liquid Industrial Waste) Reporting
- Part 121 Liquid Industrial By-Products (formerly Liquid Industrial Waste) Statutory Changes

# Reporting

## So, how does a designated facility report?

DEQ / WASTE / HAZARDOUS WASTE  
/ HAZARDOUS WASTE AND LIQUID INDUSTRIAL BY-PRODUCTS MANAGEMENT

### Part 121 Liquid Industrial By-Products (formerly Liquid Industrial Waste) Reporting

Contact: Jeanette Noechel 586-494-5091

Agency: Environmental Quality

As of March 2016, as a result of a [change in the law](#), facilities receiving liquid industrial by-products from off-site via public roadway must report their liquid industrial by-products activity to the DEQ. Liquid industrial by-product receiving facilities, also called "liquid industrial by-products designated facilities," must submit an annual report detailing their liquid industrial by-product activities occurring from January 1st to December 31st in the prior year by April 30th each year. Examples of materials that are typically subject to regulation as liquid industrial by-product include:

- catch basin, sanitary sewer, or storm sewer clean-out waste
- food processing wastewaters
- used oil
- brine
- animal and vegetable fats
- liquids exempted from hazardous waste regulation like fuels being recycled
- universal waste liquids like pharmaceuticals and antifreeze

For the 2018 reporting year, designated facilities are to use the updated [EQP1602 Form](#) and [EQP1602 Form Instructions](#). After opening the Form using the link in the previous sentence, select "File," then "Save As," and save the file on your computer for editing.

To assist those required to report, the DEQ is hosting a [Liquid Industrial By-products Designated Facility Reporting Webinar](#) on March 6, 2018 at 10:00. Register to attend at [www.michigan.gov/deqevents](http://www.michigan.gov/deqevents). Once the reporting form is completed, it can be e-mailed to [DEQ-Part-121-Reporting@michigan.gov](mailto:DEQ-Part-121-Reporting@michigan.gov) or printed and mailed to:

MDEQ, WMRPD  
Data Management and Tracking Unit



The new form is an Adobe Acrobat document. If you do not have Adobe Acrobat Reader, you can download it for free <https://acrobat.adobe.com/reader.html>.

now" for Acrobat Reader DC.

- On the next webpage, at the left side, under the option to "Install the Acrobat Reader Chrome Extension" if



Michigan Department of Environmental Quality  
Waste Management and Radiological Protection Division

### Liquid industrial by-Product (LIB) 2017 Annual Report Form

Facility Name							I, <span style="background-color: #d3d3d3; padding: 2px;">[Redacted]</span> , certify that this report is complete, true and accurate to the best of my knowledge and that the report fully and accurately describes the liquid industrial by-product managed at this site from January 1, 2017 through December 31, 2017.		
Facility Address									
Facility Contact		Initials <span style="background-color: #d3d3d3; padding: 2px;">[Redacted]</span>							
Facility Phone		Date <span style="background-color: #d3d3d3; padding: 2px;">[Redacted]</span>							
Site ID#							e-Mail Address <span style="background-color: #d3d3d3; padding: 2px;">[Redacted]</span>		
Waste Types-Common	Quantity of LIB Received / Processed in 2017	Unit of Measure	Process Method - Common	Storage Quantity of LIB (Beginning of Year)	Unit of Measure	Storage Quantity of LIB (End of Year)	Unit of Measure	Comments	
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# Reporting

## Designated Facility

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What if you handle liquid industrial by product generated on-site (not brought in from off-site)? Do you have to do an annual report for that by product?

Answer: No. The reporting requirement applies only to receipt of by product from off site. However, the site still needs to maintain records of by product treated on-site.



# Liquid Industrial By-products Treatment, Storage, and Disposal

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By product cannot be treated, stored or disposed of in a surface impoundment, unless

- The impoundment has a discharge or storage permit under part 31 (Water)
- In the case of leachate, is authorized by a permit issued under part 115 (Solid Waste)

# Liquid Industrial By-products Treatment, Storage, and Disposal

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Part 121 does not:

- prohibit a municipal wastewater treatment plant (WWTP) from accepting liquid industrial by-products from a person
- prohibit a person from engaging, employing or contracting with a WWTP

*If the WWTP receives liquid industrial by-product via transport over public roadway and the transport is not specifically regulated via the Part 31 authorization (NPDES or groundwater permit) or a Part 31 rule, the liquid industrial by-product is subject to Part 121*

# Site Identification (ID)

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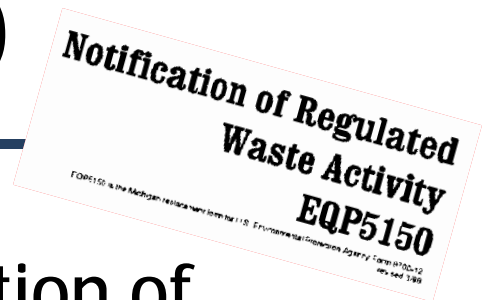
Site ID is required for liquid industrial by-products transportation and designated facility activities

Site IDs are also required of self-transporters

Generators no longer need site IDs due to a March 2016 law change

Generators using e-Manifest System with Site IDs can search the e-Manifest system for e-Manifests, those without a Site ID cannot

# Site Identification (ID)



Use EQP 5150 Form – Notification of Regulated Waste Activity to obtain Site ID

<p>Michigan Dept. of Environmental Quality          Michigan Department of Environmental Quality          1000          22000, Jackson, Michigan          Submit the information you need          to get an account number.</p>	<p>MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY          Water and Hazardous Materials Division  <b>SITE IDENTIFICATION</b></p>	<p><b>DEQ</b></p>
<p><b>I. The form is being submitted</b>          CHECK CORRECT BOX(ES):</p> <p>If submitting a subsequent notification you can contact the MDEQ Regional Office or Lansing office for a pre-notification form. For locations and phone numbers go to <a href="http://www.michigan.gov/deq">www.michigan.gov/deq</a></p>	<p><input type="checkbox"/> as initial notification to notify us a new site or new facility for the site. Mail this form and the user charge fee with either a check from causing the \$50.00 fee include using a check, Cash, MDA, or Discover Card (only check the appropriate communication) or by check made payable to the State of Michigan, 1000 St. Johns River, Lansing, MI 48906-1000.</p> <p><input type="checkbox"/> as subsequent notification to change, update, or verify site information for an existing permit of a site with a previously issued site ID number. Mail directly to 22000-22000, Michigan Department of Environmental Quality, Lansing, MI 48906-1000. A fee is not required. Information is sent to MDEQ Revenue Office (see above).</p> <p><b>AND ANY OF THE FOLLOWING</b></p> <p><input type="checkbox"/> as a component of a Hazardous Waste Permit Part A (subject to 22000-40000)</p> <p><input type="checkbox"/> as a component of the Hazardous Waste (General) Report (subject to 22000-40000)</p>	
<p><b>ii. Site's ID Number</b></p>	<p>A. User's Identification (ID) Number</p>	
<p><b>iii. Name of Site</b>          TYPE OR PRINT CLEARLY</p>	<p>A. Legal Company Name          B. Site Specific Name (if any)</p>	

# Liquid Industrial By-product Shipments

## Designated Facility

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### Designated facilities:

- Can only accept delivery of by-product if the facility is the destination indicated on the shipping document
- Must provide the generator or authorized representative confirmation of receipt of the liquid industrial by-product
- Must maintain records of characterization

# Treatment, Storage, and Disposal Designated Facility

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By-products cannot be stored for longer than 1 year UNLESS:

- It is stored for reclamation AND
- Not less than 75% of the cumulative amount, by weight or volume of each type of by-product stored is reclaimed or transferred to a different site for reclamation during that calendar year

Documentation is required to ensure storage beyond is authorized

# Emergency Response

## Designated Facility

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Designated facilities must have a plan to respond to and minimize hazards to human health and the environment from unplanned sudden and non-sudden releases

# Recordkeeping Designated Facility

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Owner/operator of a designated facility shall:

- Retain all required records for 3 years
- Make records readily available for review and inspection
- Electronic recordkeeping is acceptable but must be readable, have all the required information, and be accessible



# Training

## Designated Facility

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Designated facilities must document that employees who manage by-products are trained in proper handling and emergency response as appropriate for their job duties

# Collecting Diverted Waste

## Designated Facility

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Part 115, Section 11521b has additional requirements that apply to waste diverted to environmental preferred management options like:

- access must be limited to a time when a responsible individual is on duty
- if stored overnight, the area must be secure and have containment to prevent the release of diverted wastes
- The materials handled must be documented (types, volume, and disposition) for at least 3 years
- The materials cannot be accumulated for more than 1 year

# Collecting CESQG Waste

## Designated Facility

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Rule 205(4) has additional requirements for collecting CESQG liquids like:

- Container labeling and dating
- Maximum 180 day accumulation
- Accumulation cannot exceed 6,000 kg non-acute hazardous waste - if it does, *the site requires a hazardous waste storage license!*

For more information, view recorded webinar at [www.michigan.gov/deqwaste](http://www.michigan.gov/deqwaste) under announcements

# Liquid Industrial By-Products Resources

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Example Shipping Document

Liquid Industrial By-product FAQ

Liquid Industrial By-product Generator Guidance

# Questions

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