

Part 5 Rules

Spillage of Oil and Polluting Materials

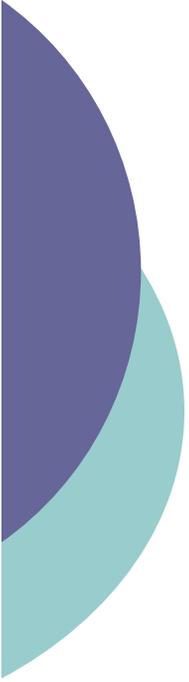
Tracy Kecskemeti

DNRE Water Bureau

Southeast Michigan District Office

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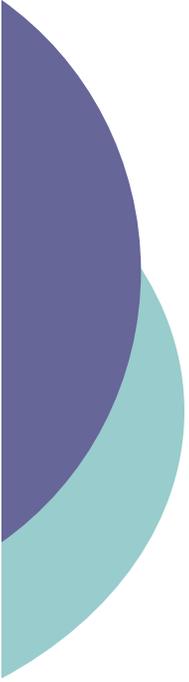
kecskemetit@michigan.gov



Part 5 Rules - Applicability

Who is regulated?

- Temporary or Permanent facility
- Land-based facility
- Receives, uses, stores, ships, manufactures or processes ***Polluting Materials*** in excess of ***Threshold Management Quantities***.

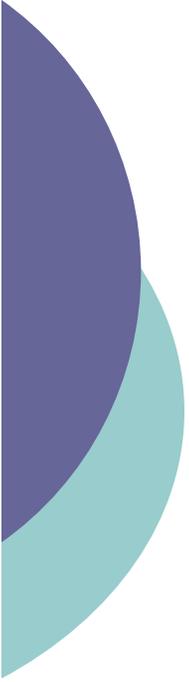


Part 5 Rules - Applicability

Who is not regulated?

Exemptions:

- Recreational marinas
- Oil Fields – petroleum & brine storage
- Transportation related facilities (as defined by 40 CFR Part 112)
- Electrical equipment

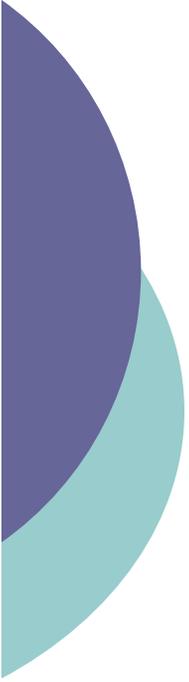


Part 5 Rules - Applicability

What is regulated?

Polluting Materials:

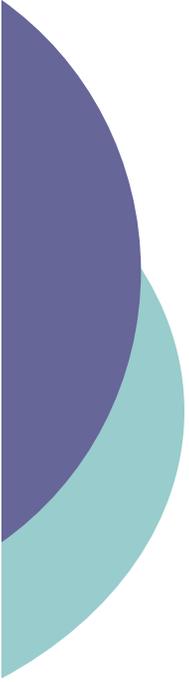
- Oil
- Salt
- Table 1 Compounds



Part 5 Rules - Applicability

Polluting Materials commonly found at municipal operations

- Salt/Brine
- Sodium Hypochlorite
- Aluminum Sulfate
- Ferric Chloride
- Sodium bisulfite
- Potassium Permanganate
- Acids/bases
- Ethylene Glycol
- Used Oil

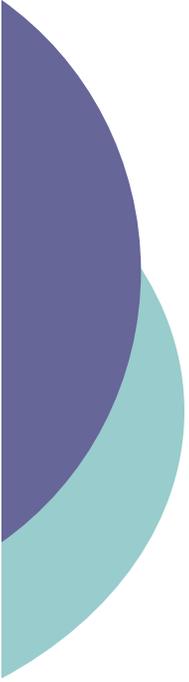


Part 5 Rules - Applicability

What is regulated?

Threshold Management Quantities:

- Oil – Storage Capacity
 - Total 1,320 gallons, single tanks >660 gallons
- Salt
 - Solid – 5 tons
 - Liquid – 1,000 gallons
- Table 1 Compounds
 - Indoors – 2,200 lbs
 - Outdoors – 440 lbs



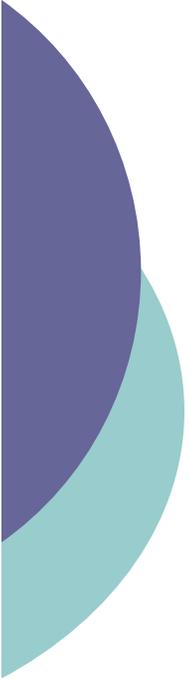
Part 5 Rules - Applicability

What is not regulated?

Exemptions:

- Manufactured Items - solids
- Small containers (indoors) < 10 gallons or 100 lbs
- Oils subject to SPCC*
- Hazardous Waste subject to Part 111
- Flammables & Combustibles subject to Act 207, Fire Prevention Code
- Underground storage tanks subject to Part 211/213
- Oil & Gas production wells subject to Part 615

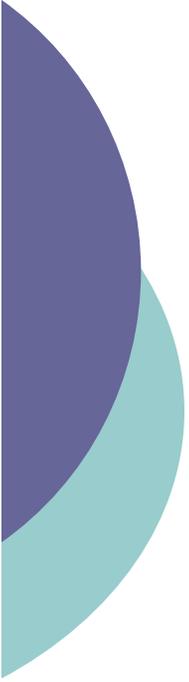




Part 5 Requirements

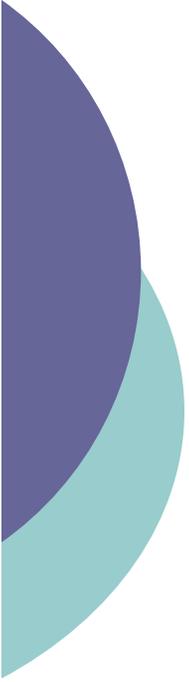
Salt & Chemicals

- Surveillance
- Secondary Containment
- Pollution Incident Prevention Plan
- Release Reporting



Part 5 & Oil

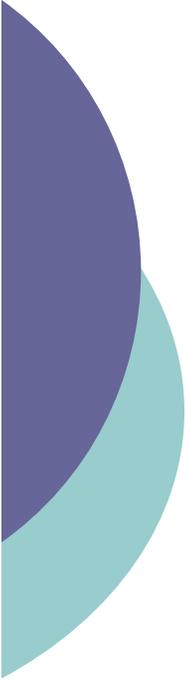
- Oil Storage Facilities must comply with *portions* of Part 5:
 - Surveillance
 - Use Area & Indoor Storage Rules
 - Release Reporting



Part 5 Requirements

Surveillance

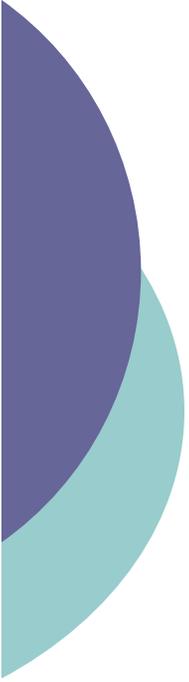
- Maintain adequate surveillance of processes and storage areas to detect and respond to spills to prevent release to waters of the state.



Part 5 Requirements

Secondary Containment

- Salt & Chemicals
 - Liquids – outdoor storage
 - Liquids – indoor storage & use areas
 - Solids



Part 5 Requirements

Secondary Containment

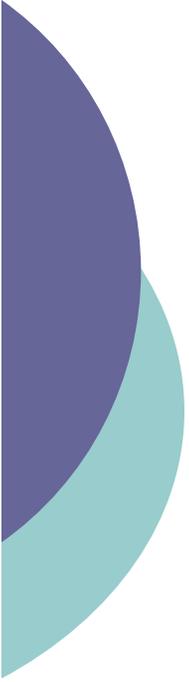
- Liquid outdoor storage
 - Compatible & Impervious
 - Greater of 10% total volume or 100% of largest tank
 - Surveillance, leak detection, and precipitation removal





GASOLINE
KEEP FIRE AWAY
FLAMMABLE LIQ

NO SMOKING
50 FT



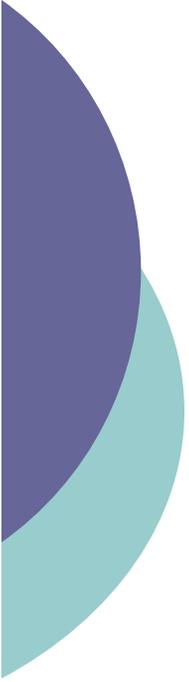
Part 5 Requirements

Secondary Containment

- Indoor storage & use areas
 - Designed, constructed & maintained to prevent a release, directly or indirectly, to waters of the state.







Part 5 Requirements

Secondary Containment

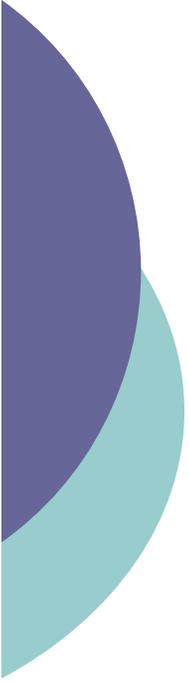
- Solids

- No discharge
- Stream/Wetland isolation – 50 ft
- 100 year floodplain









Part 5 Requirements

Pollution Incident Prevention Plan (PIPP)

- Basic facility info
- Detailed site map
- Emergency notification procedures
- Spill control and cleanup procedures
- Polluting material inventory
- Secondary containment description
- Precipitation management
- Security measures



Part 5 Requirements

PIPP Notification

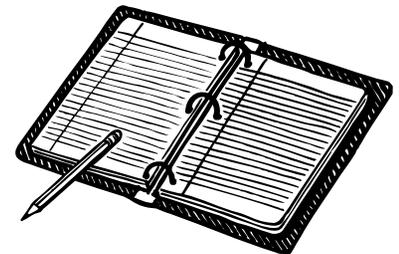
- DNRE Water Bureau District Office
- County Health Department
- LEPC



Part 5 Requirements

PIPP Updates

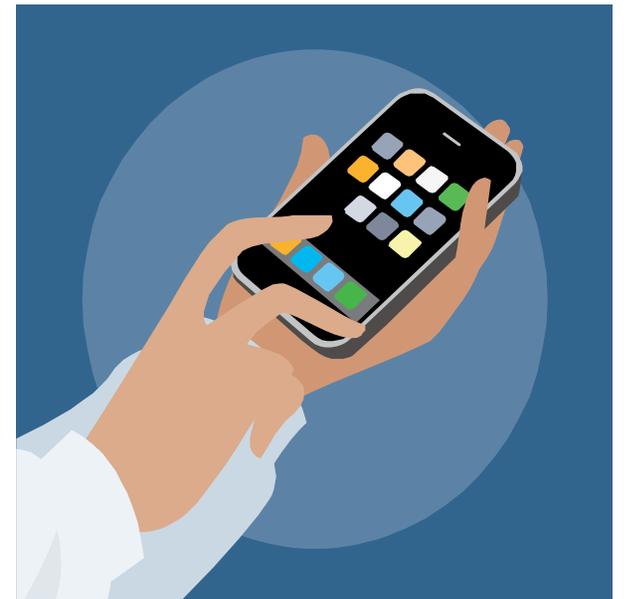
- Review/Revise every 3 years
- Review/Revise after any release
- Re-notify DNRE, HD, LEPC

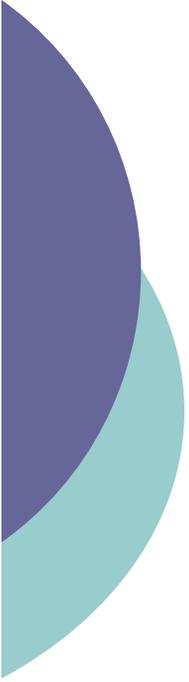


Part 5 Requirements

Release Reporting

- Report All Releases over ***Threshold Reporting Quantities***
 - Call PEAS 1-800-292-4706
 - 9-1-1
 - Written Report – 10 days



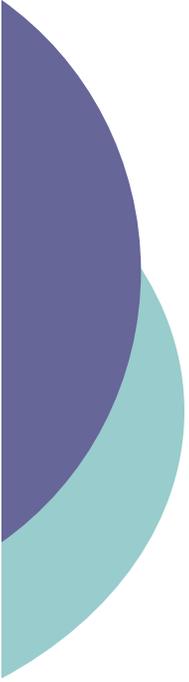


Part 5 Requirements

Release Reporting – What is a Release?

Release defined under Part 201:

Spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, disposing, or abandonment...into the environment

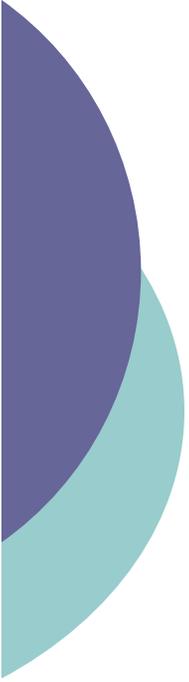


Part 5 Requirements

Release Reporting – What is not a Release?

Exemptions:

- Permitted discharges
- Air emissions
- <1,000 gallons of Polluting Material into secondary containment
- < 55 gallons oil to ground or water
 - If effectively cleaned-up immediately



Part 5 Requirements

Release Reporting

Threshold Reporting Quantities (TRQs)

- Oil

- To the ground > 50 lbs
- To Waters of the State – Any quantity that causes a sheen

Part 5 Requirements

Release Reporting - TRQs

- Salt
 - Solid > 50 lbs
 - Liquid > 50 gallons

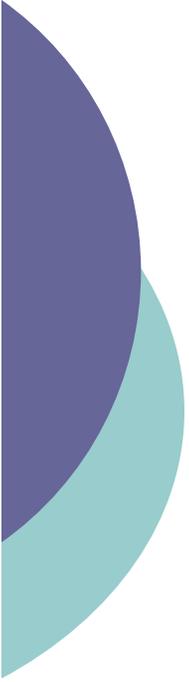


Part 5 Requirements

Release Reporting - TRQs

- Table 1 Compounds
 - Chemical Specific TRQs

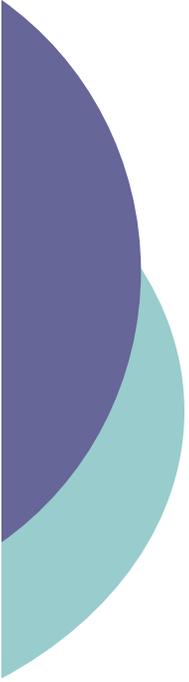




Part 5 Summary

Determine if facility is regulated:

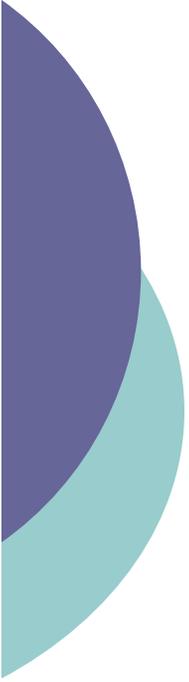
- Solid salt >5 tons
- Liquid salt >1,000 gal
- Oil storage *capacity* >1,320 gal or one tank >660 gal
- Listed Chemicals
 - Indoors > 2,200 lbs
 - Outdoors > 440 lbs



Part 5 Summary

What is required?

- Pollution Incident Prevention Plan (PIPP)
- Certify compliance to DNRE, LEPC & Health Dept
- Secondary containment
- Surveillance
- Release Reporting



Part 5 Resources

- Part 5 Rules
- PIPP & Part 5 Rules Information Packet
- Salt & Brine Storage Guidance
- Guide to Salt Storage Requirements for Small Commercial Snow Removal Services
- Release Notifications Requirements in Michigan

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- [The Facts on August 2009 Fish Kill in Sanilac County's Black River](#) PDF
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Part 5 Contacts

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