

**RELEASE NOTIFICATION  
REQUIREMENTS IN  
MICHIGAN**

**Susan Parker**  
**Michigan**  
**SARA Title III**  
**Program**  
**Jan 2008**



---

---

---

---

---

---

---

---

**RELEASE NOTIFICATION  
REQUIREMENTS TABLE**  
**11/16/2007**

[www.michigan.gov/degrelease](http://www.michigan.gov/degrelease)

- **WHAT**
- **WHEN**
- **TO WHOM &**
- **HOW RELEASES MUST BE REPORTED**

---

---

---

---

---

---

---

---

**WHAT IS A RELEASE?**

- **SPILL**
- **LEAK**
- **PUMP**
- **POUR**
- **EMIT**
- **EMPTY**
- **DISCHARGE**
- **INJECT**
- **ESCAPE**
- **LEACH**
- **DUMP**
- **DISPOSE**



---

---

---

---

---

---

---

---

### REMEMBER

- A SINGLE RELEASE MIGHT BE REPORTABLE UNDER MULTIPLE REGULATIONS
- TERMS MIGHT BE DEFINED DIFFERENTLY UNDER DIFFERENT REGULATIONS

---

---

---

---

---

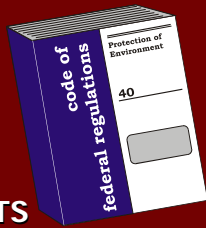
---

---

---

### ACT & REGULATION

- FEDERAL = CFR
  - Code of Federal Regulations
- STATE = PA
  - Public Act
- RULES
- REVISIONS
- OTHER REQUIREMENTS



---

---

---

---

---

---

---

---

### REPORTING CRITERIA

- SUBSTANCE
- AMOUNT
- MEDIUM
- IMPACT
- SOURCE



---

---

---

---

---

---

---

---

### SARA Title III Section 304

**Reporting Criteria**

Release of

- CERCLA Hazardous substance
- Extremely Hazardous Substance (EHS)



7

---

---

---

---

---

---


---

---

### EPA'S LIST OF LISTS

- CERCLA - Hazardous
- SARA Title III EHS Toxic (section 313)
- CAA - Extremely Hazardous Air Pollutant - section 112(r)

**Appendix B – Updated 10/06**



8

---

---

---

---

---

---

---

---

### LIST OF LISTS

- CAS = Chemical Abstracts Service number
- EHS = Extremely Hazardous Substance
- TPQ = Threshold Planning Quantity
- RQ = Reportable Quantity
- CAA = Clean Air Act
- TQ = Threshold Quantity
- Amounts in POUNDS

9

---

---

---

---

---

---


---

---

**LIST OF LISTS**

Look up:

- Hydrofluoric Acid
- CAS = 7664-39-3



10

---

---

---

---

---

---

---

---

**LIST OF LISTS**  
**Hydrofluoric Acid**

- Section 302 (EHS) TPQ = \_\_\_\_\_
- Section 304 EHS RQ = \_\_\_\_\_
- CERCLA RQ = \_\_\_\_\_
- Section 313 = \_\_\_\_\_
- RCRA Code = \_\_\_\_\_
- CAA 112(r) TQ = \_\_\_\_\_

11

---

---

---

---

---

---

---

---

**CHEMICAL LISTS - STATE**

- NREPA Part 31  
Water Resources Protection
- Part 5 Rules (Appendix C)  
Spillage of Oil & Polluting Materials
- Table 1: Polluting Materials (Pg. C-9)  
TRQ = Threshold Reporting Quantity

12

---

---

---

---

---

---

---

---

**POLLUTING MATERIALS LIST**

Look up: Hydrofluoric Acid

➤ TRQ = \_\_\_\_\_

13

---

---

---

---

---

---


---

---

**EXAMPLE:**

**Hydrofluoric Acid Release**

When is a release of hydrofluoric acid subject to reporting?



14

---

---

---

---

---

---

---

---

**SARA Title III**

**Section 304 (Pg. 6-3)**

**Hydrofluoric Acid Release**

- CERCLA Hazardous substance
- Extremely Hazardous Substance (EHS)
- 100 lbs Hydrofluoric Acid released to the environment and migrates beyond facility boundaries.

15

---

---

---

---

---

---

---

---

### REGULATIONS THAT REFERENCE CERCLA

- SARA Title III sect 304
- CERCLA sect 103
- NREPA Part 201
- 49 CFR 171 (Transportation)
- CWA sect 311, 33 CFR 153
- NREPA Parts 211 & 213

16

---

---

---

---

---

---

---

---

### REPORTING CRITERIA

A SINGLE RELEASE MIGHT BE REPORTABLE (ENFORCEABLE) UNDER MULTIPLE REGULATIONS.



17

---

---

---

---

---

---


---

---

### NREPA Part 31 (Pg. 6-5)

#### Hydrofluoric Acid Release

- Polluting Materials (Part 5 Rules, Table 1)
  - 10 lbs Hydrofluoric Acid released to water or sewage system



18

---

---

---

---

---


---

---

---

**REPORTING CRITERIA**

➤ **DIFFERENT REGULATIONS CAN HAVE DIFFERENT REPORTABLE QUANTITIES FOR THE SAME CHEMICAL.**



19

---

---

---

---

---

---

---

---

**INITIAL NOTIFICATION – WHEN ?**

- Immediate
- Within 24 hours
- As soon as practicable
- As soon as practical
- Within 8 hours
- Promptly
- As soon as possible

20

---

---

---

---

---

---

---

---

**INITIAL NOTIFICATION**  
**\* Worst Case \***

**IMMEDIATE  
MEANS  
WITHIN 15 MINUTES  
AFTER  
DISCOVERY OF THE  
RELEASE**

21

---

---

---

---

---

---

---

---

### INITIAL NOTIFICATION – TO WHOM ?

- LEPC
- SERC
- NRC
- MDEQ (various divisions)
- PEAS
- MDA
- DLEG
- 911

22

---

---

---

---

---

---

---

---

### BOTTOM LINE

If there is a release,  
**IMMEDIATELY** notify:

- LOCAL – 911
- STATE – PEAS
- FEDERAL – NRC



Then assess the situation and make additional notifications as required.

23

---

---

---

---

---

---

---

---

### REMEMBER TO KISS !

**THERE ARE NO PENALTIES FOR OVER-REPORTING !**



24

---

---

---

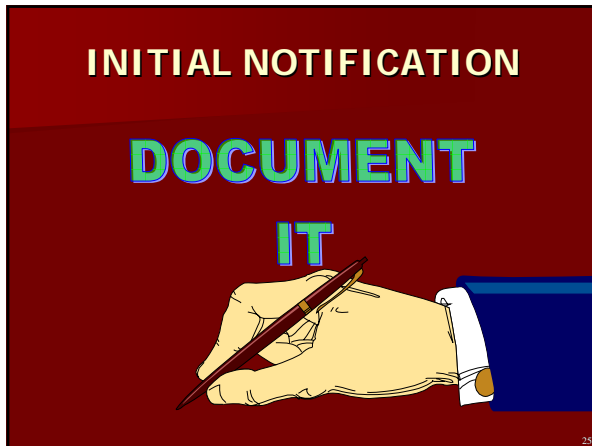
---

---

---

---

---




---

---

---

---

---

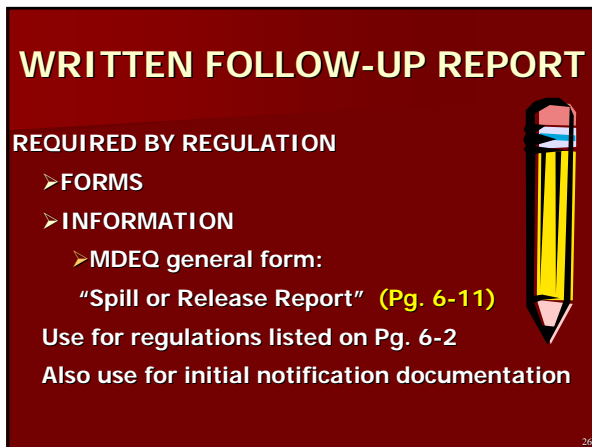
---

---

---

---

---




---

---

---

---

---

---

---

---

---

---




---

---

---

---

---

---

---

---

---

---

### WRITTEN FOLLOW-UP REPORT

AS SOON AS PRACTICABLE  
MEANS  
WITHIN 7 DAYS  
AFTER  
DISCOVERY OF THE  
RELEASE

28

---

---

---

---

---

---

---

---

### NOTES

- PHONE NUMBERS
- CONTACTS



29

---

---

---

---

---

---

---

---

### RELEASE EXAMPLE

A facility  
accidentally  
releases 1000 gal  
of a 50% truck  
wash solution at  
the loading dock.  
What reporting is  
required?



30

---

---

---

---

---

---

---

---

**EXAMPLE**  
**Truck Wash Release**

- Look at the MSDS for Truck Wash Concentrate (Pg. 3-21)
- Does Truck Wash Concentrate contain "oil" or any "hazardous" ingredients ?
- If yes...

31

---

---

---

---

---


---

---

---

**EXAMPLE**

1. **Notify**
  - 911
  - PEAS
  - NRC
2. **Respond**
3. **Follow-up**
  - Investigate
  - Calculate ←
  - Report



32

---

---

---

---

---

---

---

---

**EXAMPLE**  
**Calculate Release**

1. Identify the hazardous ingredients and weight % in Truck Wash Concentrate
2. Calculate the weight of the released Truck Wash Concentrate.
3. Calculate the weight of the released hazardous ingredients.
4. Compare to RQ. (The RQ depends on the regulation.)

33

---

---

---

---

---

---

---

---

### 1. Identify hazardous ingredients in Truck Wash Concentrate

- Hydrofluoric Acid < 20% (0.20)
- Sulfuric Acid < 10% (0.10)
- Phosphoric Acid < 5% (0.05)

Amounts are on pg 3-23



34

---

---

---

---

---

---

---

---

### 2. Calculate weight of Truck Wash Concentrate

1000 gals of a 50% truck wash solution = \_\_\_\_\_ gal of Truck Wash Concentrate

x

Specific Gravity (relative density) on MSDS: \_\_\_\_\_

x

Weight of water: \_\_\_\_\_ lbs/gal

=

Truck Wash Concentrate released: \_\_\_\_\_ lbs

35

---

---

---

---

---

---

---

---

### 3. Calculate the maximum weight of each hazardous ingredient in the Truck Wash Concentrate that was released...



36

---

---

---

---

---

---

---

---

### 3. Calculate released ingredients

- Hydrofluoric Acid = 20% of \_\_\_\_\_ lbs  
= \_\_\_\_\_ lbs
- Sulfuric Acid = 10% of \_\_\_\_\_ lbs  
= \_\_\_\_\_ lbs
- Phosphoric Acid = 5% of \_\_\_\_\_ lbs  
= \_\_\_\_\_ lbs

37

---

---

---

---

---

---

---

---

### 4a. Compare to the RQ

- Hydrofluoric Acid
- CAS = 7664-39-3
- Released amount = \_\_\_\_\_
- CERCLA RQ = \_\_\_\_\_
- SARA EHS RQ = \_\_\_\_\_
- Part 5 Rules TRQ = \_\_\_\_\_

38

---

---

---

---

---

---

---

---

### 4b. Compare to the RQ

- Sulfuric Acid
- CAS = 7664-93-9
- Released amount = \_\_\_\_\_
- CERCLA RQ = \_\_\_\_\_
- SARA EHS RQ = \_\_\_\_\_
- Part 5 Rules TRQ = \_\_\_\_\_

39

---

---

---

---

---

---

---

---

### 4c. Compare to the RQ

- Phosphoric Acid
- CAS = 7664-38-2
- Released amount = \_\_\_\_\_
- CERCLA RQ = \_\_\_\_\_
- SARA EHS RQ = \_\_\_\_\_
- Part 5 Rules TRQ = \_\_\_\_\_

---

---

---

---

---

---

---

---

### Written Follow-Up Report

Send Follow-Up Report to:

- LEPC(s)
- Michigan SARA Title III Program
- DEQ-RRD – if requested
- DEQ-WB
- Local Health Dept

---

---

---

---

---

---

---

---

### IMPORTANT !

**ALL RELEASES  
MUST BE  
CLEANED UP**  
– even if not  
reportable.



---

---

---

---

---

---

---

---