



State of Ohio Environmental Protection Agency

Northeast District Office

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Ted Strickland, Governor  
Lee Fisher, Lieutenant Governor  
Chris Korleski, Director

**CERTIFIED MAIL**

May 23, 2007

Kerry P. McNamara, CEO  
K.P. McNamara Co.  
3972 Hamilton Ave.  
Cleveland, OH 44114

**RE: K.P. MCNAMARA CO., OHR000108027, CUYAHOGA COUNTY, NOV/PRTC**

Dear Mr. McNamara:

On April 4 and 5, 2007, this writer, representing Ohio EPA, Division of Hazardous Waste Management (DHWM), visited K.P. McNamara Company (KPM) located at 3972 Hamilton Avenue in Cleveland, Ohio to conduct a hazardous waste compliance evaluation inspection (CEI). KPM was represented by Tony Datillo, Eddie Lewis, Melanie Schwanek, Rob Stoner and you.

The purpose of the inspection was to determine KPM's compliance with Ohio's hazardous waste laws as found in Chapter 3734. of the Ohio Revised Code (ORC) and Chapter 3745. of the Ohio Administrative Code (OAC). The inspection included a review of the facility's operations and records, as well as the management of wastes. KPM was inspected for the requirements of a large quantity generator (LQG) of hazardous waste.

Information obtained pertaining to process descriptions, hazardous waste generation and amount, and hazardous waste management units, is specified on the Process Description-Waste Activities Summary Sheet within the enclosed inspection checklist.

Based on the inspection, Ohio EPA has identified the following violations:

1. **ORC § 3734.02(E)&(F): Unlawful Storage & Transportation of Hazardous Waste: ORC § 3734.02(E), Except as provided in division (E)(3) of this section, no person shall establish or operate a hazardous waste facility, or use a solid waste facility for the storage, treatment, or disposal of any hazardous waste, without a hazardous waste facility installation and operation permit issued in accordance with ORC § 3734.05. ORC § 3734.02(F), No person shall store, treat or dispose of hazardous waste identified or listed under this chapter and rules adopted under it or transport or cause to be transported any hazardous waste identified or listed under this chapter and rules adopted under ... except to a facility operating under a hazardous waste facility installation and operation permit.**

In November 2006, KPM transported hazardous waste to a parking lot located at East 45<sup>TH</sup> Street and Lakeside Avenue in Cleveland. As a result, KPM violated ORC §3734.02 (F) which states in part that no person shall transport hazardous waste, except to a permitted hazardous waste treatment, storage, and/or disposal (TSD) facility. The parking lot is not a permitted TSD facility. Furthermore, KPM established an unlawful TSD facility at the parking lot, in violation of ORC §3734.02 (E)&(F), as this location was not permitted to store hazardous waste.

On April 3, 2007, after investigation by the Cleveland Fire Department, the trailer containing hazardous waste was returned and subsequently unloaded at the KPM facility. During the April 4 and 5, 2007 inspection, Ohio EPA observed the following containers were labeled as hazardous waste: KPM004, KPM006, KPM007, and KPM008. Through subsequent testing, containers KPM009 and KPM010 were identified as hazardous waste as well. KPM must adequately evaluate all containers (KPM001 through KPM018) and make arrangements for their lawful disposal. Submit documentation confirming that all containers were adequately evaluated pursuant to OAC rule 3745-52-11, 3745-270-03 and 3745-270-07. Additionally, submit documentation (e.g., manifests and LDR forms) verifying that all containers were lawfully disposed.

During the April 4 and 5, 2007 inspection, Ohio EPA observed that container KPM010 was leaking. Additionally, Ohio EPA observed the same waste residue was present in the trailer. Submit documentation verifying that the trailer was adequately decontaminated and all releases were cleaned-up and appropriately disposed.

2. **Personnel Training, OAC rule 3745-65-16(A)(1-3),(C),&(D)(1-3)**: Facility personnel must complete training on hazardous waste management and emergency response procedures.

KPM failed to meet the following requirements of this rule:

- A. OAC rule 3745-65-16(A)(1-3): Facility personnel did not complete training that teaches them to perform their duties in a way that ensures compliance with the hazardous waste laws as evidenced through violations one and seven through ten.
- B. OAC rule 3745-65-16(C): The facility failed to conduct annual personnel training. Specifically, Melanie Schwanek, alternate emergency coordinator, did not receive annual refresher training on the facility's contingency plan.

- C. OAC rules 3745-65-16(D)(1-3): The facility failed to maintain the following documents and records at the facility: (1) job titles, as they relate to hazardous waste management, and the name of each employee filling each job; (2) a written job description for each position at the facility, including requisite skill, education, or other qualifications, and duties of facility personnel assigned to each position; and (3) a written description of the type and amount of both introductory and continuing training to be given to each person filling a position.

To abate this violation, KPM must submit documentation verifying compliance with OAC rule 3745-65-16(A)(1-3)(C)(D)(1-3).

3. **OAC rule 3745-65-52(D)&(E), Content of Contingency Plan:** The contingency plan must: (D) List names, addresses, phone numbers (office and home) of all persons qualified to act as an emergency coordinator; and (E) Include a list of all emergency equipment at the facility, including, but not limited to, fire extinguishing systems, spill control equipment, communications and alarm systems, and decontamination equipment. This list must be kept up to date and must include the location, and a physical description of each item on the list, and a brief outline of its capabilities.

KPM failed to maintain a contingency plan that meets the requirements of OAC rule 3745-65-52(D)&(E). To abate this violation, submit a contingency plan that meets all of the requirements of OAC rule 3745-65-52. Please be advised that once the plan is revised it must be distributed to all emergency authorities pursuant to OAC rule 3745-65-53.

4. **OAC rule 3745-65-33, Testing and Maintenance of Emergency Equipment:** All facility communication or alarm systems, fire protection equipment, spill control equipment, and decontamination equipment must be tested and maintained as necessary to assure its proper operation in time of emergency. The owner or operator must record the inspections in a log or summary.

KPM failed to conduct inspections of the spill control equipment designated for the hazardous waste accumulation area. On May 15, 2007, KPM submitted an inspection log documenting the weekly inspection of spill control equipment. **Based upon submitted documentation, this violation has been adequately abated. No further response is required.**

5. **OAC rule 3745-273-14(E); Labeling/marketing Standards for Small Quantity Handlers of Universal Waste:** Universal waste lamps must be labeled/marked with one of the following phrases: "universal waste-lamp(s)," or "waste lamp(s)" or "used lamp(s)."

KPM failed to label/mark three boxes of universal waste lamps with the words required by this rule. To abate this violation, submit a photograph which clearly shows that the containers of lamps have been labeled in compliance with this rule.

6. **OAC Rule 3745-273-15(C); Accumulation Time Limits - Standards For Small Quantity Handlers of Universal Waste:** A small quantity handler of universal waste may accumulate universal waste for no longer than one year from the date the universal waste is generated, or received from another handler, unless the requirements of paragraph (B) of this rule are met. A small quantity handler of universal waste who accumulates universal waste must be able to demonstrate the length of time that the universal waste has been accumulated from the date it becomes a waste or is received. The handler may make this demonstration through methods identified in OAC rule 3745-273-15(C).

KPM failed to track the length of time that the universal waste lamps have been accumulated. To abate this violation, KPM must track the accumulation time through methods identified in OAC rule 3745-273-15(C). Please submit documentation which demonstrate the length of time that the universal waste lamps have been accumulated.

In addition to the above violations, Ohio EPA is aware that KPM sent for off-site disposal the following wastes to the designated facility specified on the manifest:

Date	Manifest / Line Item	Original Shipping Description
3/21/07	000287902FLE / 9b.4	Non-regulated material per 40 & 49 CFR
3/7/07	000288833FLE / 9b.2	Non-regulated material per 40 & 49 CFR
2/7/07	000288776FLE / 9b.2	Non-regulated material per 40 & 49 CFR
12/6/06	000345308FLE / 9b.3	Non-regulated material per 40 & 49 CFR
7/19/06	71031 / 11a.	Non-regulated material per 40 & 49 CFR
7/19/06	71031 / 11b.	Non-regulated material per 40 & 49 CFR
6/15/06	70602 / 11b.	Non-regulated material per 40 & 49 CFR
6/8/06	70484 / 11d.	Non-regulated material per 40 & 49 CFR
5/30/06	70413 / 11c.	Non-regulated material per 40 & 49 CFR
4/19/06	69958 / 11b.	Non-regulated material per 40 & 49 CFR
4/19/06	69958 / 11c.	Non-regulated material per 40 & 49 CFR
5/24/05	52405 / 11b.	Pit sludge, Not DOT/RCRA Regulated

After receipt by the designated facility, analytical testing was completed on these wastes. The designated facility's analytical testing revealed the following discrepancies associated with KPM's wastes:

Date	Manifest / Line Item	Discrepancy	Waste #
3/21/07	000287902FLE / 9b.4	One tote (291-gallons) was found to have a pH of 13.	D002
3/7/07	000288833FLE / 9b.2	One drum (55-gallons) was found to have a pH of 14.	D002
2/7/07	000288776FLE / 9b.2	Two drums (1019 pounds) were found to have a pH >12.5.	D002
12/6/06	000345308FLE / 9b.3	One tote (275-gallons) was found to have a pH of 1.	D002
7/19/06	71031 / 11a.	Two totes (350-gallons) were found to have a pH of 1.	D002
7/19/06	71031 / 11b.	One drum (55-gallons) was found to have a pH of 14.	D002
6/15/06	70602 / 11b.	One drum (55-gallons) was found to have a pH of 13.	D001/D002/ D035
6/8/06	70484 / 11d.	One tote (330-gallons) was found to have a pH of 1.28.	D002
5/30/06	70413 / 11c.	One tote (330-gallons) was found to have a pH of 1	D002
4/19/06	69958 / 11b.	One tote (330-gallons) was found to have a pH of 1.	D002
4/19/06	69958 / 11c.	One drum (55-gallons) was found to have a flashpoint <140F.	D001/D035 F003/F005
5/24/05	52405 / 11b.	Three drums (165-gallons) were found to have a flashpoint <140F.	D001

After review of this information, Ohio EPA has identified the following violations:

7. **OAC rule 3745-52-11; Waste Evaluation:** KPM failed to evaluate the above wastes to determine if they were hazardous wastes.
8. **OAC rule 3745-52-20 through OAC rule 3745-52-23; Manifest Use:** KPM failed to comply with the manifest requirements for hazardous waste.
9. **OAC rule 3745-52-31 and OAC rule 3745-52-32; Labeling and Marking:** KPM failed to label and mark containers of hazardous waste in accordance with DOT regulations under 49 CFR Part 172.
10. **OAC rule 3745-270-07; LDR Requirements:** KPM failed to comply with the LDR requirements for hazardous waste.

To abate violations seven through ten, KPM must demonstrate that procedures have been implemented to evaluate all wastes (i.e., for pH, ignitability and toxicity) and to properly manage them when they are identified as hazardous wastes. These procedures should be identified in the facility's personnel training program required under OAC rule 3745-65-16 and in response to violation number two.

Ohio EPA offer the following comments:

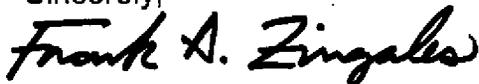
1. Ohio EPA has created an electronic news service to provide facilities with quick and timely updates on news and events related to hazardous waste activities in Ohio. For more information, please refer to: <http://www.epa.state.oh.us/dhwm/listserv.html>
2. Technical assistance and pollution prevention information is available from Ohio EPA at: <http://www.epa.state.oh.us/ocapp/ocapp.html>
3. You may be able to reduce the amount of waste your facility generates by finding ways to recycle, reduce, or eliminate it. Ohio EPA's Office of Compliance Assistance and Pollution Prevention (OCAPP) provides free compliance and pollution prevention assistance on environmental issues related to air, land, and water. Should your facility be interested in receiving a free pollution prevention assessment in the future, please contact me or OCAPP. OCAPP may be contacted at (800) 329-7518 or via the internet at: <http://www.epa.state.oh.us/opp/ocapp.html>

The above violations must be immediately addressed and all of the above requested documentation must be submitted to my attention at the Ohio EPA within 30 days of receipt of this letter. You may find copies of the hazardous waste rules and other information on Ohio EPA's web page at: <http://www.epa.state.oh.us/dhwm>.

Ohio EPA's failure to list specific deficiencies or violations in this letter does not relieve KPM from having to comply with all applicable regulations.

Should you have any questions, please contact me at (330) 963-1108.

Sincerely,



Frank A. Zingales  
Environmental Specialist  
Division of Hazardous Waste Management

FAZ:ddw  
Enclosure

cc: Natalie Oryshkewych, DHWM, NEDO  
Harry Sarvis, DHWM, CO  
Cpt. Michael Dziak, Cleveland Fire Dept.  
ec: Kurt Kollar, ER, NEDO

E-mail this completed form to [tammy.mcconnell@epa.state.oh.us](mailto:tammy.mcconnell@epa.state.oh.us) or mail it to Tammy McConnell, Central Office

**Ohio Environmental Protection Agency  
RCRA SUBTITLE C SITE IDENTIFICATION/VERIFICATION FORM**

For Ohio EPA use only

2. Site EPA ID No. **EPA ID Number:** OHR000108027

3. Site Name **Name:** K.P. McNamara Company **Website (optional):**

4. Site Location Information  
**Street Address:** 3972 Hamilton Ave.  
**City, Town, or Village:** Cleveland **State:** OH  
**County Name:** Cuyahoga **Zip Code:** 44114

5. Site Land Type (check only one)

Private	County	District	Federal	Indian	Municipal	State	Other
<input type="checkbox"/>							

6. NAICS code(s) [www.census.gov/epcd/www/naics.html](http://www.census.gov/epcd/www/naics.html)

<b>A.</b>	<b>B.</b>
<b>C.</b>	<b>D.</b>

7. Facility Representative:  
**First Name:** Kerry **MI:** P **Last Name:** McNamara  
**Phone Number:** 216-361-8955 **Phone Number Extension:**  
**E-Mail Address:** kerrym@kpmcnamara.com  
**Fax Number:** 216-361-8956 **Fax Number Extension:**  
**Street or P.O. Box:**  
**City, Town or Village:**  
**State:** **Country:** **Zip Code:**

8. Legal Owner and Operator of the Site List Additional Owners and/or Operators in the Comment Section or on another copy of this form page.

**A. Name of Site's Legal Owner:** **Date Became Owner (mm/dd/yyyy):**

Owner Type: Mark with an X	Private	County	District	Federal	Indian	Municipal	State	Other
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Street or P.O. Box:**  
**City, Town, or Village:** **Owner Phone #:**  
**State:** **Country:** **Zip Code:**

**B. Name of Site's Operator:** **Date Became Operator (mm/dd/yyyy):**

Operator Type: Mark with an X	Private	County	District	Federal	Indian	Municipal	State	Other
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Street or P.O. Box:**  
**City, Town, or Village:** **Operator Phone #:**  
**State:** **Country:** **Zip Code:**

9. Violations Cited?  Yes  No

10. Type of Regulated Waste Activity (Mark "X" in all of the appropriate boxes.)

<input type="checkbox"/> Not Regulated
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10. Type of Regulated Waste Activity (Mark  in all of the appropriate boxes.)

**A. Hazardous Waste Activities**

(choose only one of the following categories)

UNKNOWN: Cited for violation of 3745-52-11

a. Large Quantity Generator (LQG):

b. Small Quantity Generator (SQG)

c. Conditionally Exempt Small Quantity Generator

d. United States Importer of Hazardous Waste

e. Mixed Waste (hazardous and radioactive) Generator

3. Treater, Storer or Disposer of Hazardous Waste

4. Recycler of Hazardous Waste

5. Exempt Boiler and/or Industrial Furnace

a. Small Quantity On-site Burner Exemption

b. Smelting, Melting, Refining Furnace Exemption

6. Underground Injection Control Facility

7. Hazardous Waste Transporter

**B. Universal Waste Activities**

1. Small Quantity Handler of Universal Waste

(Indicate types of universal waste generated and/or accumulated (check all boxes that apply):

2. Large Quantity Handler of Universal Waste (accumulates 5,000 kg or more).

3. Destination Facility for Universal Waste

(Check all boxes below that apply for each of the three types of facilities above.)

	Generated	Accumulated
A. Batteries	<input type="checkbox"/>	<input type="checkbox"/>
B. Pesticides	<input type="checkbox"/>	<input type="checkbox"/>
C. Thermostats	<input type="checkbox"/>	<input type="checkbox"/>
D. Lamps	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**C. Used Oil Activities**

1. Used Oil Generator

2. Used Oil Transporter Indicate Type(s) of Activity(ies)

Transporter

Transfer Facility

3. Used Oil Processor and/or Re-refiner Indicate Type(s) of Activity(ies)

Processor

Re-refiner

4. Off-Specification Used Oil Burner

5. Used Oil Fuel Marketer - Indicate Type(s) of Activity(ies)

a. Marketer Who Directs Shipment of Off-Specification Oil

b. Used Oil to Off-Specification Used Oil Burner

11. Waste Codes for Federally Regulated Hazardous Wastes. Please list the codes for the federally regulated hazardous waste handled at your site. List them in the order they are presented in the regulations (e.g., D001, D003, F007, U112). Use an additional page if more space is needed. If there are more than 7 waste codes and they are the same as listed in the most recent RCRAInfo source record, you do not need to list them all. Instead just indicate the date of the most recent source record.

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12. Comments: Use this area to describe whether the inspection was announced, whether the waste is stored in tanks or containers, etc.

N	Announced ?	Additional Facility Representatives:	Tony Datillo, Eddie Lewis, Melanie Schwaneck, Rob Stoner
N	Tanks?	Other comments:	
Y	Containers?		

13. Name of Inspector(s) \_\_\_\_\_ Name of Inspector(s) \_\_\_\_\_ Date of Inspection/Time (mm-dd-yyyy) (HH:MM) \_\_\_\_\_

Frank Zingales		04-04-2007
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14. OPTIONAL CERTIFICATION. I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature of owner, operator, or an authorized representative	Name and Title (Print)	Date (mm-dd-yyyy)

**PROCESS DESCRIPTION / WASTE ACTIVITIES SUMMARY**

**Facility Name:** K.P. McNamara Co.

**Facility Type:** Large Quantity Generator (LQG)

**EPA ID#:** OHR000108027

**Process Information:** Facility services and sells industrial containers. Containers consist of totes/intermediate bulk containers (IBCs). Totes are either cleaned for reuse or shredded. Prior to cleaning, contents of tote (if present) are removed. Cleaning process for plastic totes entails washing with hot water and soap. Cleaning process for steel totes entails washing with a sodium hydroxide (caustic) solution. Rags with solvent (VMT mask wash) used to wipe exterior of steel totes.

See matrix for activities generating waste. Hazardous waste is accumulated in one generator accumulation (<90 day) area. The hazardous waste storage area is depicted in the facility's contingency plan and is located on the main floor of the building.

**Regulatory / Enforcement History:** None to date.

Description of Waste				On-Site Management	Off-Site Management
Process/Activity Generating Waste	Waste Generated	Waste Code(s)	Quantity Generated <sup>1</sup>	Type of Accumulation	Name, state, and type of activity occurring at the facility.
1.	Steel tote content removal.	- Waste paint and thinners. - Waste polyester primer. - Waste polyester resin with styrene.	D001/D035/F003/F005  D001/D007  D001	LQG	Container-drum  Hukill Chemical Corp. Bedford, OH OHD001926740
2.	Steel tote cleaning process.	- Waste caustic sludge and filters. - Waste rags.	D001/D002/D035	LQG	Container-drum  Hukill Chemical Corp.
3.	Plastic tote cleaning.	- Waste hydrochloric acid or sodium hydroxide solution.	D002	LQG	Container-tote  Hukill Chemical Corp.
4.	Plastic tote cleaning.	- Waste products and cleaning solution/sludge.			Container-tote or drum  Hukill Chemical Corp.
5.	Maintenance	Spent lamps			Container-box  Hukill Chemical Corp.

Note 1: See annual hazardous waste report for amount generated.



**LARGE QUANTITY GENERATOR REQUIREMENTS  
COMPLETE AND ATTACH A PROCESS DESCRIPTION SUMMARY**

CESQG: ≤100Kg. (Approximately 25-30 gallons) of waste in a calendar month or < 1 Kg. of acutely hazardous waste.

SQG: Between 100 and 1,000 Kg. (About 25 to under 300 gallons) of waste in a calendar month.

LQG: ≥1,000 Kg. (~300 gallons) of waste in a calendar month or ≥ 1 Kg. of acutely hazardous waste in a calendar month.

NOTE: To convert from gallons to pounds: Amount in gallons x Specific Gravity x 8.345 = Amounts in pounds.

Safety Equipment Used:

**GENERAL REQUIREMENTS**

- |   |   |  |                              |
|---|---|--|------------------------------|
| 1. Have all wastes generated at the facility been adequately evaluated? [3745-52-11]  | Yes <input type="checkbox"/>            | No <input checked="" type="checkbox"/> | N/A <input type="checkbox"/> |
| 2. Are records of waste determination being kept for at least 3 years?[3745-52-40(C)]   | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            | N/A <input type="checkbox"/> |
| 3. Has the generator obtained a U.S. EPA identification number? [3745-52-12]  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            | N/A <input type="checkbox"/> |
| 4. Were annual reports filed with Ohio EPA on or before March 1 <sup>st</sup> ? [3745-52-41(A)]   | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            | N/A <input type="checkbox"/> |
| 5. Are annual reports kept on file for at least 3 years?[3745-52-40(B)]   | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            | N/A <input type="checkbox"/> |
| 6. Has the generator transported or caused to be transported hazardous waste to other than a facility authorized to manage the hazardous waste? [ORC 3734.02(F)]                            | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            | N/A <input type="checkbox"/> |
| 7. Has the generator disposed of hazardous waste on-site without a permit or at another facility other than a facility authorized to dispose of the hazardous waste? [ORC 3734.02(E) & (F)] | Yes <input type="checkbox"/>            | No <input checked="" type="checkbox"/> | N/A <input type="checkbox"/> |
| 8. Does the generator accumulate hazardous waste?   | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            | N/A <input type="checkbox"/> |

NOTE: If the LQG does not accumulate or treat hazardous waste, it is not subject to 52-34 standards. All other requirements still apply, e.g., annual reports, manifest, marking, record keeping, LDR, etc.

- |  |   |                             |                              |
|--|---|-----------------------------|------------------------------|
| 9. Has the generator accumulated hazardous waste on-site in excess of 90 days without a permit or an extension from the director ORC §3734.02 (E) & (F)? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
|--|---|-----------------------------|------------------------------|

NOTE: If F006 waste is generated and accumulated for > 90 days and is recycled see 3745-52-34(G) & (H).

- |   |                              |                             |   |
|---|------------------------------|-----------------------------|---|
| 10. Does the generator treat hazardous waste in a: [ORC 3734.02(E)&(F)] |                              |                             |   |
| a. Container that meets 3745-66-70 to 3745-66-77?                       | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input checked="" type="checkbox"/> |
| b. Tank that meets 3745-66-90 to 3745-66-101 except 3745-66-97 (C)?     | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input checked="" type="checkbox"/> |
| c. Drip pads that meet 3745-69-40 to 3745-69-45?                        | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input checked="" type="checkbox"/> |
| d. Containment building that meets 3745-256-100 to 3745-256-102?        | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input checked="" type="checkbox"/> |

NOTE: Complete appropriate checklist for each unit.

NOTE: If waste is treated to meet LDRs, use LDR checklist.

- |   |                              |  |   |
|---|------------------------------|--|---|
| 11. Does the generator export hazardous waste? If so:   | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | N/A <input type="checkbox"/>            |
| a. Has the generator notified U.S. EPA of export activity? [3745-52-53(A)]                                      | Yes <input type="checkbox"/> | No <input type="checkbox"/>            | N/A <input checked="" type="checkbox"/> |
| b. Has the generator complied with special manifest requirements? [3745-52-54]                                  | Yes <input type="checkbox"/> | No <input type="checkbox"/>            | N/A <input checked="" type="checkbox"/> |
| c. For manifests that have not been returned to the generator: has an exception report been filed? [3745-52-55] | Yes <input type="checkbox"/> | No <input type="checkbox"/>            | N/A <input checked="" type="checkbox"/> |
| d. Has an annual report been submitted to U.S. EPA? [3745-52-56]  | Yes <input type="checkbox"/> | No <input type="checkbox"/>            | N/A <input checked="" type="checkbox"/> |
| e. Are export related documents being maintained on-site? [3745-52-57(A)]                                       | Yes <input type="checkbox"/> | No <input type="checkbox"/>            | N/A <input checked="" type="checkbox"/> |

**MANIFEST REQUIREMENTS**

- |  |                              |  |                              |
|--|------------------------------|--|------------------------------|
| 12. Have all hazardous wastes shipped off-site been accompanied by a manifest? (U.S. EPA Form 8700-22) [3745-52-20(A)] | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | N/A <input type="checkbox"/> |
| 13. Have items (1) through (20) of each manifest been completed? [3745-52-20(A)]                                       | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | N/A <input type="checkbox"/> |

NOTE: U.S. EPA Form 8700-22(A) (the continuation form) may be needed in addition to Form 8700-22. In these situations items (21) through (35) must also be completed. [3745-52-20(A)]

- |  |   |                             |                              |
|--|---|-----------------------------|------------------------------|
| 14. Does each manifest designate at least one facility which is permitted to handle the waste? [3745-52-20(B)] | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
|--|---|-----------------------------|------------------------------|

NOTE: The generator may designate on the manifest one alternate facility to handle the waste in the event of an emergency which prevents the delivery of waste to the primary designated facility. [3745-52-20(C)].

- |   |   |                             |   |
|---|---|-----------------------------|---|
| 15. If the transporter was unable to deliver a shipment of hazardous waste to the designated facility did the generator designate an alternate TSD facility or give the transporter instructions to return the waste? [3745-52-20(D)] | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | N/A <input checked="" type="checkbox"/> |
| 16. Have the manifests been signed by the generator and initial transporter? [3745-52-23(A)(1) & (2)]   | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/>            |

NOTE: Remind the generator that the certification statement they indicate: 1) they have properly prepared the shipment for transportation and 2) they have a program in place to reduce the volume and toxicity waste they generate.

17. If the generator did not receive a return copy of each completed manifest within 35 days of the waste being accepted by the transporter did the generator contact the transporter and/or TSD facility to check on the status of the waste? [3745-52-42(A)(1)] Yes  No  N/A
18. If the generator has not received the manifest within 45 days, did the generator file an exception report with Ohio EPA? [3745-52-42(A)(2)] Yes  No  N/A
19. Are signed copies of all manifests and any exception reports being retained for at least three years? [3745-52-40] Yes  No  N/A

NOTE: Waste generated at one location and transported along a publicly accessible road for temporary consolidated storage or treatment on a contiguous property also owned by the same person is not considered "on-site" and manifesting and transporter requirements must be met. To transport "along" a public right-of-way the destination facility has to act as a transfer facility or have a permit because this is considered to be "off-site." For additional information see the definition of "on-site" in OAC rule 3745-50-10.

**PERSONNEL TRAINING**

20. Does the generator have a training program which teaches facility personnel hazardous waste management procedures (including contingency plan implementation) relevant to their positions? [3745-65-16(A)(2)] Yes  No  N/A
21. Does the personnel training program, at a minimum, include instructions to ensure that facility personnel are able to respond effectively to emergencies involving hazardous waste by familiarizing them with emergency procedures, emergency equipment and emergency systems (where applicable)? [3745-65-16(A)(3)(a-f)] Yes  No  N/A
22. Is the personnel training program directed by a person trained in hazardous waste management procedures? [3745-65-16(A)(2)] Yes  No  N/A
23. Do new employees receive training within six months after the date of hire (or assignment to a new position)? [3745-65-16(B)] Yes  No  N/A
24. Does the generator provide annual refresher training to employees? [3745-65-16(C)] Yes  No  N/A
25. Does the generator keep records and documentation of:
- a. Job titles [3745-65-16D(1)]? Yes  No  N/A
  - b. Job descriptions [3745-65-16D(2)]? Yes  No  N/A
  - c. Type and amount of training given to each person [3745-65-16D(3)]? Yes  No  N/A
  - d. Completed training or job experience required [3745-65-16D(4)]? Yes  No  N/A
26. Are training records for current personnel kept until closure of the facility and are training records for former employees kept for at least three years from the date the employee last worked at the facility? [3745-65-16(E)] Yes  No  N/A

NOTE: The following section can be used by the inspector to document that all personnel who are involved with hazardous waste management have been trained. The employees who need training (written and/or on-the-job) may include the following: environmental coordinators, drum handlers, emergency coordinators, personnel who conduct hazardous waste inspections, emergency response teams, personnel who prepare manifest, etc.

<u>Job Performed</u>	<u>Name of Employee</u>	<u>Date Trained</u>

**CONTINGENCY PLAN**

27. Does the owner/operator have a contingency plan to minimize hazards to human health or the environment from fires, explosions or any unplanned release of hazardous waste? [3745-65-51(A)] Yes  No  N/A
28. Does the plan describe the following:
- a. Actions to be taken in response to fires, explosions or any unplanned release of hazardous waste [3745-65-52(A)]? Yes  No  N/A
  - b. Arrangements with emergency authorities [3745-65-52(C)]. Yes  No  N/A
  - c. A current list of names, addresses and telephone numbers (office and home) of all persons qualified to act as emergency coordinator? [3745-65-52(D)] Yes  No  N/A
  - d. A list of all emergency equipment, including: location, a physical description and brief outline of capabilities? [3745-65-52(E)] Yes  No  N/A

e. An evacuation plan for facility personnel where there is possibility that evacuation may be necessary? [3745-65-52(F)] Yes  No  N/A

NOTE: If the facility already has a "Spill Prevention, Control and Counter measures Plan" under CFR Part 112 or 40 CFR Part 1510, or some other emergency plan, the facility can amend that plan to incorporate hazardous waste management provisions that are sufficient to comply with OAC requirements. [3745-65-52(B)]

29. Is a copy of the plan (plus revisions) kept on-site and been given to all emergency authorities that may be requested to provide emergency services? [3745-65-53 (A) & (B)] Yes  No  N/A

30. Has the generator revised the plan in response to rule changes, facility, equipment and personnel changes, or failure of the plan? [3745-65-54] Yes  No  N/A

31. Is an emergency coordinator available at all times (on-site or on-call)? [3745-65-55] Yes  No  N/A

NOTE: The emergency coordinator shall be thoroughly familiar with: (a) all aspects of the facility's contingency plan; (b) all operations and activities at the facility; (c) the location and characteristics of waste handled; (d) the location of all records within the facility; (e) facility layout; and (f) shall have the authority to commit the resources needed to implement provisions of the contingency plan.

### EMERGENCY PROCEDURES

32. Has there been a fire, explosion or release of hazardous waste or hazardous waste constituents since the last inspection? If so: Yes  No  N/A

a. Was the contingency plan implemented? [3745-65-51(B)] Yes  No  N/A

b. Did the facility follow the emergency procedures in 3745-65-56(A) through (H)? Yes  No  N/A

c. Did the facility submit a report to the Director within 15 days of the incident as required by 3745-65-56(J)? Yes  No  N/A

NOTE: OAC 3745-65-51(b) requires that the contingency plan be implemented immediately whenever there is a fire, explosion, or release of hazardous waste or hazardous waste constituents, which could threaten human health and the environment.

### PREPAREDNESS AND PREVENTION

33. Is the facility operated to minimize the possibility of fire, explosion, or any unplanned release of hazardous waste? [3745-65-31] Yes  No  N/A

34. Does the generator have the following equipment at the facility, if it is required due to actual hazards associated with the waste:

a. Internal alarm system? [3745-65-32(A)] Yes  No  N/A

b. Emergency communication device? [3745-65-32(B)] Yes  No  N/A

c. Portable fire control, spill control and decon equipment? [3745-65-32(C)] Yes  No  N/A

d. Water of adequate volume/pressure per documentation or facility rep? [3745-65-32(D)] Yes  No  N/A

NOTE: Verify that the equipment is listed in the contingency plan.

35. Is emergency equipment tested (inspected) as necessary to ensure its proper operation in time of emergency? [3745-65-33] Yes  No  N/A

36. Are emergency equipment tests (inspections) recorded in a log or summary? [3745-65-33] Yes  No  N/A

37. Do personnel have immediate access to an internal alarm or emergency communication device when handling hazardous waste (unless the device is not required under 3745-65-32)? [3745-65-34(A)] Yes  No  N/A

38. If there is only one employee on the premises, is there immediate access to a device (ex.phone, hand held two-way radio) capable of summoning external emergency assistance? (Unless not required under 3745-65-32) [3745-65-34(B)] Yes  No  N/A

39. Is adequate aisle space provided for unobstructed movement of emergency or spill control equipment? [3745-65-35] Yes  No  N/A

40. Has the generator attempted to familiarize emergency authorities with possible hazards and facility layouts? [3745-65-37(A)] Yes  No  N/A

41. Where authorities have declined to enter into arrangements or agreements, has the generator documented such a refusal? [3745-65-37(B)] Yes  No  N/A

### SATELLITE ACCUMULATION AREA REQUIREMENTS

42. Does the generator ensure that satellite accumulation area(s): No satellite accumulation area.

a. Are at or near a point of generation? [3745-52-34(C)(1)] Yes  No  N/A

b. Are under the control of the operator of the process generating the waste? [3745-52-34(C)(1)] Yes  No  N/A

c. Do not exceed one quart of acutely hazardous waste at any one time? [3745-52-34(C)(1)] Yes  No  N/A

- d. Containers are closed, in good condition and compatible with wastes stored in them? [3745-52-34(C)(1)(a)] Yes  No  N/A
- e. Containers are marked with words "Hazardous Waste" or other words identifying the contents? [3745-52-34(C)(1)(b)] Yes  No  N/A
43. Is the generator accumulating hazardous waste(s) in excess of the amounts listed in the preceding question? If so: Yes  No  N/A
- a. Did the generator comply with 3745-52-34(A)(1)through(4) or other applicable generator requirements within three days? [3745-52-34(C)(2)] Yes  No  N/A
- b. Did the generator mark the container(s) holding excess with the accumulation date when the 55 gallon (one quart) limit was exceeded?[3745-52-34(C)(2)] Yes  No  N/A
- c. Do not exceed a total of 55 gallons of hazardous waste per waste stream? [3745-52-34(C)(1)] Yes  No  N/A

*NOTE: The satellite accumulation area is limited to 55 gallons of hazardous waste accumulated from a distinct point of generation in the process under the control of the operator of the process generating the waste (less than 1 quart for acute hazardous waste). There could be individual waste streams accumulated in an area from different points of generation.*

**USE AND MANAGEMENT OF CONTAINERS IN <90 DAY ACCUMULATION AREAS**

44. Has the generator marked containers with the words "Hazardous Waste?" [3745-52-34(A)(3)] Yes  No  N/A
45. Is the accumulation date on each container? [3745-52-34(A)(2)] Yes  No  N/A
46. Are hazardous wastes stored in containers which are:
- a. Closed (except when adding/removing wastes)? [3745-66-73(A)] Yes  No  N/A
- b. In good condition? [3745-66-71] Yes  No  N/A
- c. Compatible with wastes stored in them? [3745-66-72] Yes  No  N/A
- d. Handled in a manner which prevents rupture/leakage? [3745-66-73(B)] Yes  No  N/A

*NOTE: Record location on process summary sheets, photograph the area, and record on facility map.*

47. Is the container accumulation areas(s) inspected weekly? [3745-66-74] Per ORC§1.44(A) "Week" means 7 consecutive days. Yes  No  N/A
- a. Are inspections recorded in a log or summary? [3745-66-74] Yes  No  N/A
48. Are containers of ignitable or reactive wastes located at least 50 feet (15 meters) from the facility's property line? [3745-66-76] Yes  No  N/A
49. Are containers of incompatible wastes stored separately from each other by means of a dike, berm, wall or other device? [3745-66-77(C)] Yes  No  N/A
50. If the generator places incompatible wastes, or incompatible wastes and materials in the same container, is it done in accordance with 3745-65-17(B)? [3745-66-77(A)] Yes  No  N/A
51. If the generator places hazardous waste in an unwashed container that previously held an incompatible waste, is it done in accordance with 3745-65-17(B)? [3745-66-77(B)] Yes  No  N/A

*NOTE: OAC 3745-65-17(B) requires that the generator treat, store, or dispose of ignitable or reactive waste, and the mixture or commingling of incompatible wastes, or incompatible wastes and materials so that it does not create undesirable conditions or threaten human health or the environment.*

52. If the generator has closed a <90 day accumulation area does the closure appear to have met the closure performance standard of 3745- 66-11? [3745-52-34(A)(1)] Yes  No  N/A

*NOTE: Please provide a description of the unit and documentation provided by the generator for the file to demonstrate that closure was completed in accordance with the closure performance standards. If the generator has closed a <90 day tank, closure must also be completed in accordance with OAC 3745-66-97 (except for paragraph C of this rule). [3745-52-34]*

**PRE-TRANSPORT REQUIREMENTS**

53. Does the generator package/label its hazardous waste in accordance with the applicable DOT regulations? [3745-52-30, 3745-52-31 and 3745-52-32(A)] Yes  No  N/A
54. Does each container <110 gallons have a completed hazardous waste label? [3745-52-32(B)] Yes  No  N/A
55. Before off-site transportation, does the generator placard or offer the appropriate DOT placards to the initial transporter? [3745-52-33] Yes  No  N/A

## LDR REQUIREMENTS

1. Has the generator adequately evaluated all wastes to determine if they are restricted from land disposal? [3745-270-07(A)(1)] (possibly also cite 3745-52-11) **If so:** Yes  No  N/A  RMK#\_\_\_\_\_
- a. **For determinations based solely on knowledge of the waste:** Is supporting data retained on-site? [3745-270-07(A)(6)] Yes  No  N/A  RMK#\_\_\_\_\_
- b. **For determinations based upon analytical testing:** Is waste analysis data retained on-site? [3745-270-07(A)(6)] Yes  No  N/A  RMK#\_\_\_\_\_
2. Has the generator determined each EPA hazardous waste code applicable to the waste? [3745-270-07(A)(2) see Table 1] (possibly also cite 3745-52-11) Yes  No  N/A  RMK#\_\_\_\_\_
3. Has the generator determined the correct "treatability group(s)" (e.g., wastewater, non-wastewater, etc.)? [3745-270-07(A), Table 1] Yes  No  N/A  RMK#\_\_\_\_\_
4. Does the generator generate a characteristic hazardous waste? **If so:** Yes  No  N/A  RMK#\_\_\_\_\_
- a. Have all underlying hazardous constituents (UHCs) been identified? [3745-270-09(A)] Yes  No  N/A  RMK#\_\_\_\_\_ To be determined.
- NOTE:** *If the waste is D001 non-wastewater treated by CMBST, RORGS, POLYM in Table 1 of Rule 3745-270-42 UHCs do not need to be identified.*
5. Does the generator generate listed waste(s) which also exhibit hazardous characteristics? [3745-270-09] **If so:** Yes  No  N/A  RMK#\_\_\_\_\_
- a. Has the generator also identified the appropriate treatment standard(s) for the constituent(s) which cause the waste to exhibit a characteristic? [3745-270-09(A)] Yes  No  N/A  RMK#\_\_\_\_\_
- NOTE:** *The generator is not required to identify the treatment standard for the characteristic if the listing covers the associated characteristic (e.g., a F019/D007 hazardous waste - F019 being listed due to chromium content and D007 being the characteristic waste code for chromium). [See OAC Rule 3745-270-09(B)]*
6. Has the generator **correctly** determined if restricted wastes meet or do not meet treatment standards? [3745-270-07(A)(1)] Yes  No  N/A  RMK#\_\_\_\_\_

7. Does the owner/operator ensure that restricted wastes or treatment residues are not diluted as a method of achieving/circumventing LDR treatment standards? [3745-270-03] Yes  No  N/A  RMK# \_\_\_\_\_

8. Is combustion of any of the wastes identified in the Appendix to Rule 3745-270-03 occurring without meeting one or more of the criteria under Rule 3745-270-03(C) upon generation or after treatment? [3745-270-03(C)] Yes  No  N/A  RMK# \_\_\_\_\_

**Note:** In other words, is combustion a legitimate treatment method

9. Has the generator added iron to lead-containing hazardous waste in order to achieve LDR treatment standards for lead? [3745-270-03(D)] Yes  No  N/A  RMK# \_\_\_\_\_

10. Does the facility have a case-by-case extension to the effective date to land dispose of hazardous waste?[3745-270-05] If so: Yes  No  N/A  RMK# \_\_\_\_\_  
a. The facility can dispose of hazardous waste in a on-site landfill or surface impoundment.[3745-270-05]

11. Does the facility have an extension to allow for a restricted waste to be land disposed?[3745-270-06] If so: Yes  No  N/A  RMK# \_\_\_\_\_  
a. The facility can land dispose of the waste. [3745-270-06]

12. Does the facility treat wastes that are otherwise prohibited from land disposal, in a surface impoundment? If so: Yes  No  N/A  RMK# \_\_\_\_\_  
a. Has the facility complied with 3745-270-04? Yes  No  N/A  RMK# \_\_\_\_\_

**REMARKS**

**NOTIFICATION AND CERTIFICATION REQUIREMENTS**

13. If a generator's waste or contaminated soil does not meet the treatment standards, does the generator have the paperwork required in Column A of Table 1? [3745-270-07(A)(2)] Yes  No  N/A  RMK# \_\_\_\_\_

14. If a generators' waste or contaminated soil meets the treatment standard at the original point of generation, does the generator have the paperwork required in Column B of Table 1? [3745-270-07(A)(3)] Yes  No  N/A  RMK# \_\_\_\_\_

15. If a generators' waste is exempt (under 3745-270-05, 3745-270-06, national capacity or case-by-case variance, etc.) does the generator have the paperwork required in Column C of Table 1? [3745-270-07(A)(4)] Yes  No  N/A  RMK# \_\_\_\_\_

16. If a generator manages a lab pack containing hazardous waste using the alternative treatment standard in 3745-270-42, does the generator have the paperwork required in Column D of Table 1? [3745-270-07(A)(9)] Yes  No  N/A  RMK# \_\_\_\_\_

17. Does the generator produce a waste that is hazardous waste from the point of generation, but subsequently excluded from regulation under OAC 3745-51-02 through 3745-51-06? [3745-270-07(A)(7)] **If so:** Yes  No  N/A  RMK# \_\_\_\_\_

a. Is a one-time notice placed in the facility's file stating such generation, subsequent exclusion or exemption, and disposition of the wastes? [3745-270-07(A)(7)] Yes  No  N/A  RMK# \_\_\_\_\_

**NOTE:** Examples include hazardous wastes discharged to a POTW or to a surface water under a NPDES permit.(See 270-07(A)(7))

18. Does the generator retain on-site a copy of all notices, certifications, demonstrations and waste analysis data for at least three years from the last shipment of waste sent off-site? [3745-270-07(A)(8)] Yes  No  N/A  RMK# \_\_\_\_\_

**REMARKS**



## SMALL QUANTITY UNIVERSAL WASTE HANDLER REQUIREMENTS

*Large Quantity Universal Waste Handler (LQUWH) = 5,000 Kg or more*

*Small Quantity Universal Waste Handler (SQUWH) = 5,000 Kg or less*

### PROHIBITIONS

1. Did the SQUWH dispose of universal waste? [3745-273-11(A)] Yes  No  N/A
2. Did the SQUWH dilute or treat universal waste, except when responding to releases as provided in 3745-273-17 or managing specific wastes as provided in 3745-273-13? [3745-273-11(B)] Yes  No  N/A

### WASTE MANAGEMENT & LABELING/MARKING

#### UNIVERSAL WASTE LAMPS

3. Does the SQUWH contain lamps in containers or packages that are structurally sound, adequate to prevent breakage, and are compatible with contents of the lamps? Are containers or packages closed and do they lack evidence of leakage, spillage or damage that could cause leakage? [3745-273-13(D)(1)] Yes  No  N/A
4. Are lamps that show evidence of breakage, leakage or damage that could cause a release of mercury or hazardous constituents into the environment immediately cleaned up? Are they placed into a container that is closed, structurally sound, compatible with the contents of the lamps, and lack evidence of leakage spillage or damage that could cause leakage or releases of mercury or hazardous waste constituents to the environment? [3745-273-13(D)(2)] Yes  No  N/A
5. Are the lamps or containers or packages of lamps labeled with the words "Universal Waste - Lamp(s)" or "Waste Lamp(s)" or "Used Lamp(s)"? [3745-273-14(E)] Yes  No  N/A

**NOTE:** Treatment (such as crushing) by a UWH is prohibited under this rule unless the facility is permitted for such activities [3745-273-31(B)]. A generator crushing lamps must manage lamps according to hazardous waste rules (OAC Chapter 3745-52). Lamp crushing is a form of generator treatment (OAC 3745-52-34). Crushed lamps must be transported by a registered hazardous waste transporter to a permitted hazardous waste facility under a hazardous waste manifest.

## ACCUMULATION TIME

6. Is the waste accumulated for less than one year? [3745-273-15(A)] If not: Yes  No  N/A   
Accumulation time not tracked.
- a. Was the waste accumulated over one year in order to facilitate proper recovery, treatment or disposal? (Burden of proof is on the handler to demonstrate) [3745-273-15(B)] Yes  No  N/A

**NOTE:** *Accumulation is defined as date generated or date received from another handler.*

7. Is the length of time the universal waste is stored documented by **one** of the following: [3745-273-15(C)] Yes  No  N/A
- a. Marking or labeling the container with the earliest date when the universal waste became a waste or was received? [3745-273-15(C)(1)] Yes  No  N/A
- b. Marking or labeling individual item(s) of universal waste with the earliest date that it became a waste or was received? [3745-273-15(C)(2)] Yes  No  N/A
- c. Maintaining an inventory system on-site that identifies the date the universal waste became a waste or was received? [3745-273-15(C)(3)] Yes  No  N/A
- d. Maintaining an inventory system on-site that identifies the earliest date that any universal waste in a group of universal waste items or a group of containers became a universal waste or was received? [3745-273-15(C)(4)] Yes  No  N/A
- e. Placing the universal waste in a specific accumulation area and identifying the earliest start date or date received? [3745-273-15(C)(5)] Yes  No  N/A
- f. Any other method, which clearly demonstrates, the length of time the universal waste has been accumulated from the date it became a waste or was received? [3745-273-15(C)(6)] Yes  No  N/A

## EMPLOYEE TRAINING

8. Are employees who handle or have the responsibility for managing universal waste informed of waste handling/emergency procedures, relative to their responsibilities? [3745-273-16] Yes  No  N/A

### RESPONSE TO RELEASES-no releases observed during inspection.

9. Are releases of universal waste and other residues immediately contained? [3745-273-17(A)] Yes  No  N/A
10. Is the material released characterized? [3745-273-17(B)] Yes  No  N/A
11. If the material released is a hazardous waste, is it managed as required in OAC Chapters 3745-50 through 3745-69? (If the waste is hazardous, the handler is considered the generator of the waste and is subject to Chapter 3745-52) [3745-273-17 (B)] Yes  No  N/A

### OFF-SITE SHIPMENTS-no off-site shipments at time of inspection.

**NOTE:** *If a SQUWH self-transportes waste, then they must comply with the Universal Waste transporter requirements.*

12. Are universal wastes sent to either another handler, destination facility or foreign destination? [3745-273-18(A)] Yes  No  N/A

**NOTE:** *SQUWHs are prohibited to send waste to any other facility.*

13. If the universal waste meets the definition of hazardous material under 49 CFR 171-180, are DOT requirements met with regard to package, labels, placards and shipping papers? [3745-273-18(C)] Yes  No  N/A
14. Prior to shipping universal waste off-site, does the receiver agree to receive the shipment? [3745-273-18(D)] Yes  No  N/A
15. If the universal waste shipped off-site is rejected by another handler or destination facility does the originating handler do one of the following: Yes  No  N/A

- a. Receive the waste back? [3745-273-18(E)(1)] Yes  No  N/A
- b. Agree to where the shipment will be sent? [3745-273-18(E)(2)] Yes  No  N/A
16. If a handler rejects a partial or full load from another handler, does the receiving handler contact the originating handler and discuss one of the following: Yes  No  N/A
- a. Sending the waste back to the originating handler? [3745-273-18(F)(1)] Yes  No  N/A
- b. Sending the shipment to a destination facility? (If both the originating and receiving handler agree) [3745-273-18(F)(2)] Yes  No  N/A
17. If the handler received a shipment of hazardous waste that was not universal waste, did the SQUWH immediately notify Ohio EPA? [3745-273-18(G)] Yes  No  N/A
18. If the handler received a shipment of nonhazardous, non-universal waste, was the waste managed in accordance with applicable law? [3745-273-18(H)] Yes  No  N/A

**EXPORTS**

19. Is waste being sent to a foreign destination? If so: Yes  No  N/A
- a. Does the small quantity handler comply with primary exporter requirements in OAC 3745-52-53, 3745-52-56, and 3745-52-57? [3745-273-20(A)] Yes  No  N/A
- b. Is waste exported only upon consent of the receiving country and in conformance with U.S. EPA's "Acknowledgment of Consent" as defined in 3745-52-50 to -52-57? [3745-273-20(B)] Yes  No  N/A
- c. Is a copy of U.S. EPA's "Acknowledgment of Consent" provided to the transporter? [3745-273-20(C)] Yes  No  N/A



PHASE 0 AD-HOC BARCODE SHEET

11/7/2011 2:49 PM

Department:



DMWM

Locked to DMWM

Subdepartment:



DMWM-Hazardous Waste

Office Location:



NEDO

Locked to NEDO

Media:



LAND

Locked to LAND

Doc Type:



RTC

Doc Subtype:



<NONE>

Program:



<NONE>

County:



18 - CUYAHOGA

(Auto Load)

<NONE>

(Override)

Facility ID:



OHD982066664

Facility Name:



K-B PLATING INC



2/8/2010

Record ID:



(Auto Load) input is 15 characters long.  
(Override) input is 0 characters long.



State of Ohio Environmental Protection Agency

Northeast District Office

2110 East Aurora Rd.  
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TELE: (330) 963-1200 FAX: (330) 487-0769  
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Ted Strickland, Governor  
Lee Fisher, Lieutenant Governor  
Chris Korleski, Director

February 8, 2010

David Kopea  
K-B Plating  
3685 E. 78<sup>th</sup> Street  
Cleveland, OH 44105

**RE: K-B PLATING, OHD982066664, CUYAHOGA, DIRECTORS FINAL FINDINGS AND ORDERS, HAZARDOUS WASTE TANK ASSESSMENT, RETURN TO COMPLIANCE**

Dear Mr. Kopea:

Thank you for your September 8, 2009 response to Ohio EPA's August 3, 2009 Partial Return to Compliance (PRTC) letter. You submitted information and a discussion in response to each of Ohio EPA's questions. On September 22, 2009, Ohio EPA performed a follow-up inspection to check on the status of the tank system.

Based upon the observations made during the September 22, 2009 site visit and information submitted by K-B in the September 8, 2009 response, Ohio EPA has determined that K-B Plating has abated the violations referenced in Finding no. 5.b. of the May 24, 2007 Director's Final Findings and Orders (Orders) and is hereby returned to compliance.

Enclosed you will find a copy of the checklist completed during review of the submitted documentation.

Should you have any questions, please call me at (330) 963-1181.

Sincerely,

Suzanne Prusnek  
Environmental Specialist  
Division of Hazardous Waste Management

SP:ddw

Enclosure

ec: Natalie Oryshkewych, DHWM, NEDO, OEPA  
Frank Popotnik, DHWM, NEDO, OEPA  
Todd Anderson, Legal, CO, OEPA  
Harry Sarvis, DHWM, CO, OEPA  
cc: Thomas D. Kmiec, T.D. Kmiec & Associates

Failure to list specific deficiencies in this communication does not relieve K-B from the responsibility of complying with all applicable hazardous waste regulations.

**LQG TANK SYSTEM REQUIREMENTS (OAC rule 3745-52-34(A) and OAC rules 3745-66-90 through 3745-66-100)**

(Please refer to the rules before or while completing this checklist.)

1.	Is each tank clearly labeled/marked with the words "Hazardous Waste?" [3745-52-34(A)(3)]	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
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**TANK SYSTEM – GENERAL OPERATING REQUIREMENTS**

2.	Does the o/o follow the general operating requirements below:			
a.	Does the o/o prevent placement of hazardous waste or treatment reagents in tank or secondary containment if such placement can cause the system to leak, rupture, corrode, or otherwise fail? [3745-66-94(A)]	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
b.	Does the o/o use appropriate controls to prevent spills or overflows from the system (e.g., check valves, dry disconnect couplings, high level alarms, etc.)? [3745-66-94(B)]	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
c.	If a leak or spill has occurred in the tank system, has the o/o complied with 3745-66-96? [3745-66-94(C)]	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>

**TANK SYSTEM – INSPECTION REQUIREMENTS**

3.	Has the o/o documented the inspections required in 3745-66-95, in the operating record, including inspection of the following:			
a.	Spill control equipment each operating day? [3745-66-95(A)(1)]	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
b.	Above ground portion of tank each operating day? [3745-66-95(A)(2)]	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
c.	Data from leak detection equipment each operating day? [3745-66-95(A)(3)]	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
d.	Construction materials and area immediately surrounding the tanks for signs of erosion or release of hazardous waste each operating day? [3745-66-95(A)(4)]	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>

NOTE: "Each operating day" is each day that the tank system is being used to manage (store or treat) hazardous waste.

4.	Where applicable, the cathodic protection system to confirm proper operation within six months of initial installation and annually thereafter? [3745-66-95(B)(1)]	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	N/A <input checked="" type="checkbox"/>
5.	Where applicable, all sources of impressed current at least bi-monthly? [3745-66-95(B)(2)]	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>

**TANK SYSTEM CLOSURE REQUIREMENTS**

6.	If the generator has closed a <90 day tank, was closure completed in accordance with OAC 3745-66-97 (except for paragraph C)?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
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**TANK SYSTEMS STORING IGNITABLE OR REACTIVE WASTES**

7.	For tanks used to treat or store ignitable or reactive wastes, has the o/o complied with one of the following: [3745-66-98(A)]	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
a.	Is the waste treated immediately after placement in the tank so that the resultant mixture is no longer ignitable or reactive and the o/o has conducted such activities in compliance with 3745-66-17(B)? [3745-66-98(A)]; or	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
b.	Is the waste stored or treated to protect it from materials or conditions which may cause ignition or reaction? [3745-66-98(A)]; or	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
c.	The tank is used solely for emergencies? [3745-66-98(A)]	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
8.	If ignitable or reactive waste is stored or treated, are protective distances maintained between waste management areas and any public streets, alleys or adjoining property lines as required by the NFPA Flammable and Combustible Liquids Code (1996)? [3745-66-98(B)]	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
9.	Has the o/o placed incompatible wastes or materials into the same tank	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>



	system, or into a tank system that has not been decontaminated and which previously held an incompatible waste or material? [3745-66-99(A) and/or (B)]	
a.	If so, have the requirements of 3745-65-17(B) been met? [3745-66-99(A) and/or (B)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
<b>TANK SYSTEM – WASTE ANALYSIS REQUIREMENTS</b>		
10.	In addition to conducting the waste analysis required by 3745-65-13, when the tank system is used to store or treat a waste which is substantially different or uses a substantially different process than previously used, has the o/o done one of the following: [3745-66-100]	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>
a.	Conducted waste analysis and trial treatment or storage tests? [3745-66-100(A)]; OR	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
b.	Obtained written documentation on similar waste under similar operating conditions to show that the proposed storage/treatment will meet the requirements of OAC 3745-66-94? [3745-66-100(B)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
<b>TANK SYSTEMS REQUIREMENTS</b>		
11.	Is there a written assessment attesting that the design, installation and structural integrity of the system is adequate for the management of hazardous waste(s)? [3745-66-92(A)]	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>
<i>NOTE: You should review the file to see if the written assessment has been previously reviewed and what the results were.</i>		
12.	Does the written assessment include the following: [3745-66-92(A)]	
a.	Certification by an independent registered, professional engineer? [3745-66-92(A)]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
b.	Consideration of the design standards of the system? [3745-66-92(A)]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
c.	Consideration of the hazardous characteristics of the waste(s)? [3745-66-92(A)]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
d.	An evaluation by a corrosion expert (only if the external system/components are metal and in contact with soil or water)? [3745-66-92(A)]	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>
e.	A determination of design and operational measures that will be needed to protect the tank system from potential damage (only for underground tank components)? [3745-66-92(A)]	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input checked="" type="checkbox"/>
f.	Design considerations to ensure that the tank foundations will maintain the load of a full tank? [3745-66-92(A)]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
g.	Design considerations for anchoring the unit to prevent floatation (only for tanks situated in a seismic fault zone or saturated zone)? [3745-66-92(A)]	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>
h.	Design considerations to ensure that the tank system will withstand the effects of frost heave(only for underground tank systems)? [3745-66-92(A)]	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>
<i>NOTE: CO-DHWM Engineering staff are available to assist you with evaluation of the written assessment.</i>		
13.	Are there written statements by those persons who supervised installation or certified design of the new tank system, that the tank system was properly installed and designed and that required repairs were performed? [3745-66-92(G)]	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>
	Do the written statements address all of the following:	
a.	Inspection for damage and/or inadequate construction and installation was conducted? [3745-66-92(B)]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
b.	Statement that deficiencies were corrected before the tank system was covered or put into use? [3745-66-92(B)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
c.	Proper backfilling? [3745-66-92(C)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>



d.	Tightness test; if the tank system was found not to be tight, does the statement indicate that proper repairs were made? [3745-66-92(D)]	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
e.	Proper support and protection of ancillary equipment? [3745-66-92(E)]	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
f.	Supervision of the installation of field fabricated corrosion protection? [3745-66-92(F)]	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
<b>SECONDARY CONTAINMENT</b>				
14.	Has secondary containment been provided?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
NOTE: All tank systems must have secondary containment at this point, except for tank systems that store/treat materials that become hazardous waste after January 12, 1987, must have secondary containment required within the time intervals in 3745-66-92(A)(1) to (A)(4). The date the material became a hazardous waste must be used in place of January 12, 1987. [3745-66-92(A)(5)]				
15.	Is secondary containment one of the following:	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
a.	An <b>External Liner</b> ? [3745-66-93(E)(1)] If so,	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
i.	Is liner designed or operated to contain 100% of the capacity of the largest tank?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
ii.	Is liner designed and operated to prevent run-on and infiltration or the collection system has excess capacity to contain run-on and infiltration from a 25-year, 24-hour storm?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
iii.	Is liner free of cracks and gaps?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
iv.	Does liner completely surround the tank and cover all earth likely to be contacted by waste during a release?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
v.	Are chemically resistant water stops in place at all points? (concrete liners only)	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
vi.	Is there a compatible interior coating or lining to prevent migration of waste into the concrete? (concrete liners only)	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
b.	<b>Vault System</b> ? [3745-66-93(E)(2)] If so,	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
i.	Is vault system designed to contain 100% of the capacity in the largest tank?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
ii.	Is liner designed and operated to prevent run-on and infiltration or the collection system has excess capacity to contain run-on and infiltration from a 25-year, 24-hour storm?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
iii.	Are chemically resistant water stops in place at all points?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
iv.	Is there a compatible interior coating to prevent migration into the concrete?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
v.	For <b>ignitable or reactive waste</b> : Is the vault system provided with means to prevent (or alternatively "protect against") the formation or ignition of vapors?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
vi.	Is vault system provided with an exterior moisture barrier?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
c.	<b>Double-Walled Tank</b> ? [3745-66-93(E)(3)] If so,	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
i.	Is double-walled tank designed as an integral structure to contain any release from the inner tank?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
ii.	If metal, are the primary tank interior and outer shell exterior surfaces protected from corrosion?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
iii.	Is double-walled tank provided with a continuous leak detection system able to detect a release within 24 hours or	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>



		at the earliest practicable time?			
d.	<b>An Equivalent Device?</b> As described in 3745-66-93(D)(4) which has been approved by the director? [3745-66-93(D&E)]		Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
<b>SECONDARY CONTAINMENT DESIGN/OPERATION/INSTALLATION</b>					
16.	Has each secondary containment system been designed, installed and operated to prevent <u>any</u> migration of wastes or liquid to the soil, groundwater, or surface water and is it capable of <u>detecting</u> and <u>collecting</u> releases and accumulated liquids? [3745-66-93(B)(1) and (2)]		Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
17.	Does the secondary containment system meet the following minimum requirements of [3745-66-93(C)]:				
a.	Constructed or lined with compatible materials of sufficient strength to prevent failure? [3745-66-93(C)(2)]		Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
b.	Placed on a foundation or base capable of providing support? [3745-66-93(C)(2)]		Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
c.	Provided with a leak detection system designed/operated to detect failure to primary or secondary containment or any release of hazardous waste within 24 hours or at earliest practicable time? [3745-66-93(C)(3)]		Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
d.	Sloped or designed to drain and remove liquid resulting from leaks, spills or precipitation? [3745-66-93(C)(4)]		Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
e.	Any liquid which accumulates in the containment unit resulting from spills, leaks or precipitation removed within 24 hours or in a timely manner? [3745-66-93(C)(4)]		Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
<b>ANCILLARY EQUIPMENT REQUIREMENTS</b>					
18.	Is ancillary equipment provided with secondary containment (such as double-walled piping, jacketing or a trench)?		Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
	<b>If not</b> , is the ancillary equipment one of the following: [3745-66-93(F)]				
a.	Above ground piping (exclusive of flanges, joints, valves and connections) that is inspected daily?		Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
b.	Welded flanges, welded joints and/or welded connections that is inspected daily?		Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
c.	Sealless or magnetic coupling pumps and/or sealless valves?		Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
d.	Pressurized above ground piping systems with automatic shut-off devices (e.g., excess flow check valves, flow metering shutdown and/or loss of pressure-actuated shut-off devices) that is inspected daily?		Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
<b>TANK SYSTEMS FOUND TO BE LEAKING OR UNFIT FOR USE</b>					
19.	Has there been a leak or spill from any tank system or has any tank system been found unfit for use? <b>If so</b> , did the o/c:		Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
<b>NOTE: If the tank is found to be unfit for use, inspector should explain why.</b>					
a.	Immediately cease flow of material into tank and investigate the cause of the release? [3745-66-96(A)]		Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
b.	Remove waste from tank system to prevent further release within 24 hours of detection or earliest practicable time? [3745-66-96(B)(1)]		Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
c.	Remove all material released into secondary containment system within 24 hours or as timely as possible to prevent harm to human health and the environment? [3745-66-96(B)(2)]		Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
d.	For a visible release to the environment, immediately conduct a visual inspection of the release? [3745-66-96(C)]		Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
e.	For a visible release to the environment, prevent further migration of the leak or spill to soils or surface waters? [3745-66-96(C)]		Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
f.	For a visible release to the environment, properly dispose of any visibly contaminated soil or surface water? [3745-66-96(C)]		Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>



g.	Report any release to the environment to the director within 24 hours unless it was less than one pound and was cleaned up immediately? [3745-66-96(D)(1)]	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/> x
h.	For a release to the environment, submit a written report of the incident to the director within 30 days of the release? [3745-66-96(D)(3)]	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/> x
i.	Remediate the spill and repair the unit prior to returning it to service? [3745-66-96(E)(2)]	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/> x
j.	For a release from a tank system without secondary containment, did the o/o provide secondary containment meeting the requirements of 3745-66-93 for the unit prior to putting it back into service? [3745-66-96(E)(4)]	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/> x
<i>NOTE: The requirements noted in 20.j. do not apply if the release was from an above ground component of the tank which can be inspected visually after being put back into service.</i>		
20.	In the event that the repairs to the tank system were major (e.g., replacement of liner, repair of ruptured primary or secondary containment structure), did the o/o obtain a certification from an independent, registered P.E. attesting that the repaired unit is capable of handling hazardous waste? [3745-66-96(F)]	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/> x
21.	Was a copy of the certification submitted to the director within seven days after returning the system to use? [3745-66-96(F)]	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/> x
22.	If the o/o was unable to repair and return the unit to service as described in 20.a through 20.e, was the tank system closed in accordance with 3745-66-97? [3745-66-96(E)(1)]	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/> x
23.	Does the o/o have a tank system <b>with a variance from secondary containment</b> from which a release has occurred but <u>has not</u> migrated beyond the zone of engineering control? <b>If so,</b>	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> x
a.	Has the o/o complied with 3745-66-96(A) through (F) and decontaminated soils? [3745-66-93(G)(3)]	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/> x
b.	If soils cannot be decontaminated/removed, has the o/o complied with 3745-66-97(B)? [3745-66-93(G)(3)]	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/> x
24.	Does the o/o have a tank system <b>with a variance from secondary containment</b> from which a release occurred and <u>has</u> migrated from the zone of engineering control? <b>If so,</b>	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> x
a.	Has the o/o complied with 3745-66-96(A) through (D), prevented migration, and decontaminated soil? [3745-66-93(G)(4)]	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/> x
b.	If soils cannot be decontaminated/removed, or if the groundwater has been contaminated, has the o/o complied with 3745-66-97(B)? [3745-66-93(G)(4)]	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/> x



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