



State of Ohio Environmental Protection Agency

Northeast District Office

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

June 17, 2008

**RE: ELECTRO PLATING AND FABRICATING
CUYAHOGA COUNTY
RCRA/LQG
COMPLIANCE EVALUATION INSPECTION
NOTICE OF VIOLATION**

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Don Paukert
General Manager
Electro Plating and Fabricating
4008 East 89th Street
Cleveland, Ohio 44105

Dear Mr. Paukert:

On May 22, 2008 Ohio EPA conducted a compliance evaluation inspection of the Electro Plating and Fabricating (EP&F) facility located at 4008 East 89th Street in Cleveland, Ohio. EP&F is a metal finishing facility and qualifies as a Large Quantity Generator (LQG) of hazardous waste. Hazardous waste streams generated at the facility include spent plating baths (D002, D007, D008, and D010) and a waste water treatment plant filtercake (F006).

The purpose of this inspection was to determine EP&F's compliance with Ohio's hazardous waste laws and regulations as found under the Ohio Revised Code and Ohio Administrative Code ("ORC" and "OAC" respectively). Ohio EPA was represented by Karen Nesbit and me while the facility was represented by you. Ohio EPA's inspection included an inspection of the EP&F facility and a review of written documentation. Based on this inspection, Ohio EPA has determined that EP&F has violated at least the following state hazardous waste regulations:

1. **OAC 3745-66-95 Tank Inspections:**

(A) The owner or operator must inspect, where present, at least once each operating day:

(1) Overfill/spill control equipment (e.g., waste-feed cut-off systems, bypass systems, and drainage systems) to ensure that it is in good working order;

(2) The aboveground portions of the tank system, if any, to detect corrosion or releases of waste;

(3) Data gathered from monitoring equipment and leak-detection equipment (e.g., pressure and temperature gauges, monitoring wells) to ensure that the tank system is being operated according to its design; and

(4) The construction materials and the area immediately surrounding the externally accessible portion of the tank system including secondary containment structures (e.g., dikes) to detect erosion or signs of releases of hazardous waste (e.g., wet spots, dead vegetation).

At the time of this inspection, EP&F was not performing the required daily inspections of the hazardous waste tank systems.

To demonstrate compliance, EP&F will immediately start performing the daily tank inspections and submit to this office, copies of two consecutive weeks of inspections. A sample tank inspection log sheet was given to you during the inspection.

2. **OAC 3745-279-22(C)(1) Used oil storage requirements for generators:** *Containers and aboveground tanks used to store used oil at generator facilities shall be labeled or marked clearly with the words "Used Oil."*

EP&F generates used oil and accumulates it in drums inside the facility. At the time of this inspection, Ohio EPA observed one container of used oil which was not labeled with the words "Used Oil".

Upon being informed of the labeling requirements, you appropriately labeled the container with the words "Used Oil" while Ohio EPA observed. Ohio EPA therefore considers this violation abated.

3. **OAC 3745-273-13(D)(1) Universal Waste Lamp Management:** *A small quantity handler of universal waste must contain any lamp in containers or packages that are structurally sound, adequate to prevent breakage, and compatible with the contents of the lamps. Such containers and packages **must remain closed** and must lack evidence of leakage, spillage, or damage that could cause leakage under reasonably foreseeable conditions.*

At the time of this inspection, Ohio EPA observed an open box of universal waste lamps in addition to universal waste lamps that had not been containerized and were stacked against a wall in the chemical storage area.

To demonstrate abatement of this violation, please see Violation #6.

4. **OAC 3745-273-14(E) Labeling/marketing of Universal Waste:** *Each lamp or a container or package in which such lamps are contained must be labeled or marked clearly with one of the following phrases: "Universal Waste- Lamp(s)," or "Waste Lamp(s)," or "Used Lamp(s)."*

At the time of this inspection, the universal waste lamps observed by Ohio EPA were not labeled with one of the following phrases: "Universal Waste- Lamp(s)," or "Waste Lamp(s)," or "Used Lamp(s)."

To demonstrate abatement of this violation, please see Violation #6.

5. **OAC 3745-273-15(C) Accumulation time limits for Universal Waste:** *A small quantity handler of universal waste who accumulates universal waste shall 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.*

At the time of this inspection, EP&F did not have a system for tracking how long the universal waste lamps had been accumulated on site.

To demonstrate abatement of this violation, please see Violation #6.

6. **OAC 3745-273-16 Employee Training for Small Quantity handlers of Universal Waste:** *A small quantity handler of universal waste shall inform all employees who handle or have responsibility for managing universal waste. The information shall describe proper handling and emergency procedures appropriate to the type(s) of universal waste handled at the facility.*

During Ohio EPA's May 22, 2008 inspection of the EP&F facility, Ohio EPA observed multiple universal waste violations indicating that the facility was not operating in compliance with regulations regarding the management of universal waste. The facility had not trained employees responsible for the management of universal waste in the proper handling and emergency procedures appropriate to the type of universal waste handled at the facility.

To demonstrate abatement of violations #3, #4, #5 and #6;

- EP&F must submit to this office documentation in the form of a photograph demonstrating that the universal waste lamps are being managed in boxes which are kept closed and appropriately labeled as stated in Violation #4.
- Furthermore, EP&F must develop a system to be able to demonstrate how long the universal waste lamps have been on site, and submit documentation of said system to this office.

- EP&F must also develop a protocol for the proper management of universal waste lamps generated and managed at the EP&F facility. Employees responsible for the management of universal waste must be trained in said protocol and a copy of the protocol signed by all employees who received the training must be submitted to this office.

7. **OAC 3745-65-52 (D) Content of contingency plan:** *The plan shall list names, addresses, and phone numbers (office and home) of all persons qualified to act as emergency coordinator, and this list shall be kept up to date. Where more than one person is listed, one shall be named as primary emergency coordinator and others shall be listed in the order in which they will assume responsibility as alternates.*

EP&F did not have a current list of home addresses and home phone numbers for persons qualified to act as emergency coordinators in the facility contingency plan.

To demonstrate abatement of this violation, please see Violation #9.

8. **OAC 3745-65-52 (E) Content of contingency plan:** *The contingency plan shall 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 (internal and external), and decontamination equipment, where this equipment is required. This list shall be kept up to date. In addition, the contingency plan shall include the location and a physical description of each item on the list, and a brief outline of its capabilities.*

The facility's contingency plan needs to be updated to include all the emergency equipment associated with the hazardous waste accumulation areas, including the locations and a brief outline of the capability of each item on the list of emergency equipment.

To demonstrate abatement of this violation, please see Violation #9.

9. **OAC 3745-65-53(B) Copies of contingency plan:** *A copy of the contingency plan and all revisions to the plan shall be submitted to all local police departments, fire departments, hospitals, and Ohio EPA and local emergency response teams, that may be requested to provide emergency services.*

EP&F has not submitted its contingency plan to local police and hospitals that may be requested to provide emergency services.

To demonstrate compliance, EP&F will update its contingency plan to incorporate all items listed in Violations #7 and #8 and submit a copy of the updated plan to this office for review. Upon approval by this office, EP&F must submit copies of the updated contingency plan to all emergency authorities that may be requested to respond in the event of an emergency at the facility and submit documentation to this office demonstrating that this has been done.

10. **OAC 3745-65-54(D)(E) Amendment of contingency plan:** *The contingency plan must be reviewed, and immediately amended, if necessary, whenever:*

- (D) The list of emergency coordinators changes; or*
- (E) The list of emergency equipment changes.*

EP&F has not updated the facility contingency plan to reflect changes in emergency coordinators, or to provide a complete list of emergency equipment.

To demonstrate abatement of this violation, see Violation #9 above.

11. **OAC 3745-65-16 Personnel training:**

(A)(1) Facility personnel shall successfully complete a program of classroom instruction or on-the-job training that teaches them to perform their duties in a way that ensures the facility's compliance with the requirements of the hazardous waste facility interim standards chapters 3745-65 TO 3745-69 and 3745-248 of the Administrative Code. The owner or operator shall ensure that this program includes all the elements described in the document required under paragraph (D)(3) of this rule.

(A)(2) This program shall be directed by a person trained in hazardous waste management procedures, and shall include instruction which teaches facility personnel hazardous waste management procedures (including, but not limited to, contingency plan implementation) relevant to the positions in which they are employed.

(A)(3) At a minimum, the training program shall be designed to ensure that facility personnel are able to respond effectively to emergencies by familiarizing them with emergency procedures, emergency equipment, and emergency systems, including, where applicable:

- (a) Procedures for using, inspecting, repairing, and replacing facility emergency and monitoring equipment;*
- (b) Key parameters for automatic waste feed cut-off systems;*
- (c) Communications or alarm systems;*
- (d) Response to fires or explosions;*

- (e) Response to ground water contamination incidents; and*
- (f) Shutdown of operations.*

(B) Facility personnel shall successfully complete the program required in paragraph (A) of this rule within six months of the date of their employment or assignment to a facility, or to a new position at a facility, whichever is later. Employees shall not work in unsupervised positions until they have completed the training requirements of paragraph (A) of this rule.

(C) Facility personnel shall take part in an annual review of the initial training required in paragraph (A) of this rule.

At the time of this inspection, EP&F did not have a personnel training plan that trained employees to perform their duties in a way that ensures the facility's compliance with the requirements of state hazardous waste regulations.

Employees of EP&F involved in the management of hazardous waste are not receiving annual refresher nor are they being trained within six months of the date of their employment or assignment to a facility, or to a new position at a facility as required per OAC 3745-65-16(B).

To demonstrate compliance, EP&F will develop a personnel training program that trains employees to perform their duties in a way that ensures the facility's compliance with the requirements of the state hazardous waste regulations. Incorporated into this plan will be annual refreshers and a policy to train new employees within six months of their hiring date or transfer to a new position. EP&F will train its employees in this plan and submit to this office a copy of the training program summary, a list of employees receiving the training and sign-in sheets demonstrating the training has been performed. In addition, EP&F will submit documentation demonstrating that the person performing the training has current certification in hazardous waste management procedures.

12. **OAC 3745-65-16(D) Personnel training:** *The owner or operator shall maintain the following documents and records at the facility:*

(1) The job title for each position at the facility related to hazardous waste management, and the name of the employee filling each job;

(2) A written job description for each position listed under paragraph (D)(1) of this rule. This description may be consistent in its degree of specificity with descriptions for other similar positions in the same company location or bargaining unit, but shall include the requisite skill, education, or other qualifications, and duties of facility personnel assigned to each position;

(3) A written description of the type and amount of both introductory and continuing training that will be given to each person filling a position listed under paragraph (D)(1) of this rule; and

(4) Records that document that the training or job experience required under paragraphs (A), (B), and (C) of this rule has been given to, and completed by, facility personnel.

At the time of this inspection EP&F could not produce a list of job titles and descriptions for each position involved in hazardous waste management.

To demonstrate abatement of this violation, EP&F will develop job titles and descriptions for all positions involved in the management of hazardous waste. Ohio EPA wishes to remind the facility that this should include not only the individuals collecting and moving hazardous waste, but also those which sign manifests. An example of job titles and descriptions was given to you at the time of this inspection. The facility will submit to this office:

- A list of positions which manage hazardous waste.
- A list of employees which fill these positions.
- Job titles and descriptions for each of these positions.

13. **OAC 3745-52-41(A) Annual Reports:** *A generator who ships any hazardous waste off-site must prepare and submit to Ohio EPA the "Annual Hazardous Waste Report" by March first of each year. The generator must prepare the "Annual Hazardous Waste Report" using forms 9027, 9028, and 9029 provided by the director upon the request of the generator. The "Annual Hazardous Waste Report" must cover generator activities during the previous year, and must include the following information:*

(1) The U.S. EPA identification number, name, and address of the generator;

(2) The calendar year covered by the report;

(3) The U.S. EPA identification number, name, and address for each off-site treatment, storage, or disposal facility to which waste was shipped during the year;

(4) The name and U.S. EPA identification number of each transporter used during the reporting year for shipments to a treatment, storage, or disposal facility;

(5) A description, U.S. EPA hazardous waste number (from rules 3745-51-20 to 3745-51-24 or 3745-51-30 to 3745-51-35 of the Administrative Code), U.S. DOT hazard class, and quantity of each hazardous waste shipped off-site for shipments to a treatment, storage, or disposal facility. This information must be listed by U.S. EPA identification number of each such off-site facility to which waste was shipped.

(6) A description of the efforts undertaken during the year to reduce the quantity and toxicity of hazardous waste generated;

(7) A description of the changes in quantity and toxicity of waste actually achieved during the year in comparison to previous years; and

(8) The certification signed by the generator or authorized representative.

During a review of the facility records Ohio EPA observed that EP&F has not submitted any Annual Hazardous Waste Reports for the year 2007.

To demonstrate abatement of this violation EP&F must prepare and submit to Ohio EPA Central Office, a Annual Hazardous Waste Report for the hazardous waste generated at the facility during 2007 and submit a copy of said report to this office. Information regarding the preparation and submittal of reports may be accessed online at: http://www.epa.state.oh.us/dhwm/ann_report.html.

You may also contact Mary Ann Silagny at (614) 644-2954 for additional information.

14. **OAC Rule 3745-270-07(A) Testing, Tracking, and Record keeping Requirements for Generators, Treaters, and Disposal Facilities:** *Generators shall retain on-site a copy of all notices, certifications, waste analysis data, and other documentation produced pursuant to this rule for at least three years from the date that the waste that is the subject of such documentation was last sent to on-site or off-site treatment, storage, or disposal.*

At the time of this inspection, EP&F did not have on site completed Land Disposal Restriction (LDR) forms for hazardous waste sent off site to Envirite and Vickery.

During this inspection, EP&F contacted Envirite and was faxed a LDR form which contained the manifest number of the shipment. However, EP&F was not able to obtain a LDF form from Vickery which contained a manifest number.

To demonstrate abatement of this violation, EP&F must submit to this office a copy of a completed LDR form for each waste stream shipped to Vickery. The LDR forms must list the manifest number of the shipment on the form.

Don Paukert
Electro Plating and Fabricating
June 17, 2008
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Enclosed you will find copies of the checklists completed at the time of the inspection. Please submit all of the requested documentation to my attention within thirty (30) days of receipt of this letter demonstrating that all issues have been addressed.

The Ohio EPA strongly encourages pollution prevention as the preferred approach for waste management. The first priority of pollution prevention is to eliminate the generation of wastes and pollutants at the source (*i.e.* source reduction). For those wastes and pollutants that are generated, the second is to recycle or reuse them in an environmentally sound manner. You can benefit economically, help preserve the environment and improve your public image by implementing pollution prevention programs. The Office of Compliance Assistance and Pollution Prevention provides compliance and pollution prevention assistance on environmental issues related to air, land and water. Their web site is: <http://www.epa.state.oh.us/opp/ocapp.html>.

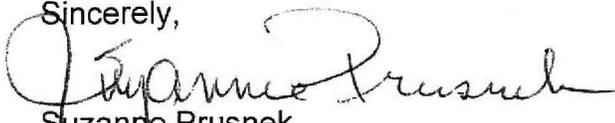
The Division of Hazardous Waste Management has created an electronic news service to provide you with quick and timely updates on events and news related to hazardous waste activities in Ohio. If you haven't already, we encourage you to sign-up for this free service. You can find more information at the following Web link:
<http://www.epa.state.oh.us/dhwm/listserv.html>.

Please feel free to share this information with your colleagues.

Failure to list specific deficiencies in this communication does not relieve EP&F from the responsibility of complying with all applicable hazardous waste regulations. This letter does not relieve EP&F from liability for any past or present violations of the state's hazardous waste laws.

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

Sincerely,



Suzanne Prusnek
Environmental Specialist
Division of Hazardous Waste Management

SP:cl
Enclosures

ec: Frank Popotnik, DHWM, NEDO, OEPA
Harry Sarvis, DHWM, CO, OEPA

cc: Natalie Oryshkewych, DHWM, NEDO, OEPA
Kristina Durnell, DHWM, CO, OEPA

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

For Ohio EPA use only

E-mail this completed form to kristina.durnell@epa.state.oh.us
or mail it to Kristina Durnell, Central Office

Site EPA ID No.	EPA ID Number: OHD 004 209 904								
Site Name	Name: Electro Plating & Fabricating				Website: N/A (Optional)				
Site Location Information	Street Address: 4008 E. 89th Street								
	City, Town, or Village: Cleveland				State: OH				
	County Name: Cuyahoga				Zip Code: 44105				
Site Land Type (check only one)	Private <input checked="" type="checkbox"/>	County <input type="checkbox"/>	District <input type="checkbox"/>	Federal <input type="checkbox"/>	Indian <input type="checkbox"/>	Municipal <input type="checkbox"/>	State <input type="checkbox"/>	Other <input type="checkbox"/>	
NAICS code(s) www.census.gov/epcd/www/w/aics.html	332813								
Facility Representative Additional names can be recorded in number 12 Only provide address information if it is different than the site address	First Name: Donald			MI: J	Last Name: Paukert				
	Phone Number: 216-641-0660				Phone Number Extension:				
	E-Mail Address: platerman@msn.com								
	Fax Number: 216-641-1337				Fax Number Extension:				
	Street or P.O. Box:								
	City, Town or Village:				State:		Country:		Zip Code:
	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								
Name of Site's Legal Owner: Roberts-Demand III Corp				Date Became Owner (mm/dd/yyyy): 01/01/1980					
Owner Type:	Private <input checked="" type="checkbox"/>	County <input type="checkbox"/>	District <input type="checkbox"/>	Federal <input type="checkbox"/>	Indian <input type="checkbox"/>	Municipal <input type="checkbox"/>	State <input type="checkbox"/>	Other <input type="checkbox"/>	
Street or P.O. Box: Same as above									
City, Town or Village:				Owner Phone #:					
State:				Country:		Zip Code:			
Name of Site's Operator: Same				Date Became Operator (mm/dd/yyyy):					
Owner Type:	Private <input type="checkbox"/>	County <input type="checkbox"/>	District <input type="checkbox"/>	Federal <input type="checkbox"/>	Indian <input type="checkbox"/>	Municipal <input type="checkbox"/>	State <input type="checkbox"/>	Other <input type="checkbox"/>	
Street or P.O. Box:									
City, Town or Village:				Operator Phone #:					
State:				Country:		Zip Code:			
Violations Cited?	x Yes <input type="checkbox"/> No								
Type of Generator									
<input type="checkbox"/> Not Regulated				<input type="checkbox"/> Conditionally Exempt Small Quantity Generator					
<input type="checkbox"/> UNKNOWN: Cited for violation of 3745-52-11				<input type="checkbox"/> United States Importer of Hazardous Waste					
<input checked="" type="checkbox"/> Large Quantity Generator (LQG)				<input type="checkbox"/> Mixed Waste (Hazardous and Radioactive) Generator					
<input type="checkbox"/> Small Quantity Generator (SQG)									
Type of Regulated Waste Activity (Mark "X" in all of the appropriate boxes)									
<input type="checkbox"/> Recycler of Hazardous Waste				<input type="checkbox"/> Exempt Boiler and/or Industrial Furnace					
<input type="checkbox"/> Underground Injection Control Facility				<input type="checkbox"/> Small Quantity On-Site Burner Exemption					
<input type="checkbox"/> Hazardous Waste Transporter				<input type="checkbox"/> Smelting, Melting, Refining Furnace Exemption					
<input type="checkbox"/> Treater, Storer or Disposer of Hazardous Waste									

Universal Waste Activities (Indicate types of universal waste generated and/or accumulated (check all boxes that apply))						
<input checked="" type="checkbox"/> Small Quantity Handler of Universal Waste			<input type="checkbox"/> Large Quantity Handler of Universal Waste (accumulates 5,000 kg. or more)			
<input type="checkbox"/> Destination Facility for Universal Waste						
(Check all boxes below that apply for each of the three types of facilities above)			Used Oil Activities (Indicate Type(s) of Activity(ies))			
	Managed		<input type="checkbox"/> Used Oil Generator	<input type="checkbox"/> Off-Specification Used Oil Burner		
Batteries	<input type="checkbox"/>		<input type="checkbox"/> Used Oil Transporter	<input type="checkbox"/> Used Oil Fuel Marketer Who Directs Shipment of Off-Spec. Oil		
Pesticides	<input type="checkbox"/>		<input type="checkbox"/> Used Oil Transfer Facility	<input type="checkbox"/> Used Oil Fuel Marketer to Off-Specification Used Oil Burner		
Mercury containing equipment	<input type="checkbox"/>		<input type="checkbox"/> Used Oil Processor			
Lamps	<input checked="" type="checkbox"/>		<input type="checkbox"/> Used Oil Re-refiner			
Waste Codes for Federally Regulated Hazardous Wastes. Please list the codes for the federally regulated hazardous waste handled at the 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.						
F006	D002	D007	D008	D010		
Comments: Use this area to describe whether the inspection was announced, whether the waste is stored in tanks or containers, etc.						
Announced	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Additional Facility Representatives:			
Tanks	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Other Comments:			
Containers	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No				
Name of Inspector(s)			Name of Inspector(s)		Date of Inspection/Time (mm/dd/yyyy) (hh:mm)	
Suzanne Prusnek					May 22, 2008	
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)	

USED OIL INSPECTION CHECKLIST (Short Version)

NOTE: This checklist does not include requirements for used oil transporters and transfer facilities, processors and re-refiners, burners, and marketers.

PROHIBITIONS

1. Is used oil being managed in a surface impoundment or waste pile? If so: Yes ___ No N/A ___ RMK# ___
Is the surface impoundment or waste pile being regulated under OAC 3745-54 to 3745-57 and 3745-205 or 3745-65 to 3745-69 and 3745-256? [3745-279-12(A)] Yes ___ No N/A RMK# ___
2. Is used oil being used as a dust suppressant? [3745-279-12(B)] Yes No N/A ___ RMK# ___
3. Is off-specification used oil fuel burned for energy recovery only in devices specified in 3745-279-12(C)? Yes ___ No N/A RMK# ___

USED OIL GENERATOR STANDARDS

4. Does the generator mix hazardous waste with used oil only as provided in 3745-279-10(B)? [2745-279-21(A)] Yes ___ No N/A RMK# ___
5. Does the generator of a used oil containing greater than 1,000 ppm total halogens manage the used oil as a hazardous waste unless the presumption is rebutted successfully? [3745-279-21(B)] Yes ___ No N/A RMK# ___
6. Does the generator only store used oil in tanks, containers, or units subject to OAC 3745-54 to 3745-57 and 3745-205 or 3745-65 to 3745-69 and 3745-256? [3745-279-22(A)] Yes No N/A ___ RMK# ___
7. Are containers and aboveground tanks used to store used oil in good condition with no visible leaks? [3745-279-22(B)] Yes No N/A ___ RMK# ___
8. Are containers, above ground tanks, and fill pipes used for underground tanks clearly labeled or marked "Used Oil?" [3745-279-22(C)] Yes ___ No N/A ___ RMK# ___
9. Has the generator, upon detection of a release of used oil, done the following: [3745-279-22(D)]
- a. Stopped the release? Yes ___ No N/A RMK# ___
- b. Contained the release? Yes ___ No N/A RMK# ___

- c. Cleaned up and properly managed the used oil and other materials? Yes ___ No N/A RMK# ___
- d. Repaired or replaced the containers or tanks prior to returning them to service, if necessary? Yes ___ No N/A RMK# ___
10. Does the generator burn used oil in used fired space heaters? [3745-279-23] If so: Yes ___ No N/A ___ RMK# ___
- a. Does the heater burn only used oil that owner/operator generates or used oil received from household do-it-yourself (DIY) used oil generators? Yes ___ No N/A RMK# ___
- b. Is the heater designed to have a maximum capacity of not more than 0.5 million BTU per hour? Yes ___ No N/A RMK# ___
- c. Are the combustion gases from heater vented to the ambient air? Yes ___ No N/A RMK# ___
11. Does the generator have the used oil hauled only by transporters that have obtained U.S. EPA ID#, unless the generator qualifies for an exemption pursuant to 3745-279-24 (self transportation or tolling agreements)? [3745-279-24] Yes ___ No N/A RMK# ___

USED OIL COLLECTION CENTERS AND AGGREGATION POINTS

12. Is the DIY used oil collection center in compliance with the generator standards in 3745-279-20 to 3745-279-24? [3745-279-30] Yes ___ No N/A RMK# ___
13. Is the non-DIY used oil collection center registered with Ohio EPA? [3745-279-31] Yes ___ No N/A RMK# ___
14. Is the used oil aggregation point in compliance with the generator standards in 3745-279-20 to 3745-279-24? [3745-279-32] Yes ___ No N/A RMK# ___

WASTE EVALUATION

15. Have all wastes generated at the facility been evaluated? [3745-52-11] Yes No N/A ___ RMK# ___

C:\Documents and Settings\SPrusnek\My Documents\iFolder\Inspection stuff\USED OIL.SHORT.11.2004.fin.megaset.wpd

REMARKS

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 No N/A
- 2. Are records of waste determination being kept for at least 3 years?[3745-52-40(C)] Yes No N/A
- 3. Has the generator obtained a U.S. EPA identification number? [3745-52-12] Yes No N/A
- 4. Were annual reports filed with Ohio EPA on or before March 1st? [3745-52-41(A)] Yes No N/A
- 5. Are annual reports kept on file for at least 3 years?[3745-52-40(B)] Yes No N/A
- 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 No N/A
- 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 No N/A
- 8. Does the generator accumulate hazardous waste? Yes No N/A

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 No N/A

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 No N/A
 - b. Tank that meets 3745-66-90 to 3745-66-101 except 3745-66-97 (C)? Yes No N/A

c. Drip pads that meet 3745-69-40 to 3745-69-45?

Yes No N/A

d. Containment building that meets 3745-256-100 to 3745-256-102?

Yes No N/A

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 No N/A

a. Has the generator notified U.S. EPA of export activity? [3745-52-53(A)]

Yes No N/A

b. Has the generator complied with special manifest requirements? [3745-52-54]

Yes No N/A

c. For manifests that have not been returned to the generator: has an exception report been filed? [3745-52-55]

Yes No N/A

d. Has an annual report been submitted to U.S. EPA? [3745-52-56]

Yes No N/A

e. Are export related documents being maintained on-site? [3745-52-57(A)]

Yes No N/A

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 No N/A

13. Have items (1) through (20) of each manifest been completed? [3745-52-20(A)]

Yes No N/A

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 No N/A

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 No N/A

16. Have the manifests been signed by the generator and initial transporter? [3745-52-23(A)(1) & (2)]

Yes No N/A

NOTE: Remind the generator that the certification statement they signed indicates: 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
only doing hazwoper but not cont. plan.
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.

Job Performed

Name of Employee

Date Trained

<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)] *need update*

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

in past

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 communications or 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 & 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):

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 a total of 55 gallons of hazardous waste per waste stream? [3745-52-34(C)(1)] Yes No N/A

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

- e. Containers are closed, in good condition and compatible with wastes stored in them? [3745-52-34(C)(1)(a)] Yes No N/A
- f. 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 *hopper*

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) Yes No N/A
- "Week" means 7 consecutive days.
- 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 waste 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

TANK SYSTEM REQUIREMENTS

(OAC rule 3745-52-34(A) and OAC rules 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 No N/A

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)]
- 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)]
- 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 No N/A

Yes No N/A

Yes No N/A

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)]
- b. Above ground portion of tank each operating day?[3745-66-95(A)(2)]
- c. Data from leak detection equipment each operating day?[3745-66-95(A)(3)]
- 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 No N/A

Yes No N/A

Yes No N/A

Yes No N/A

not for the week
last week
 ↓

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 No N/A

5. Where applicable, all sources compressed current at least bi-monthly?[3745-66-95(B)(2)] Yes No N/A

TANK SYSTEM CLOSURE REQUIREMENTS

6. 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). Yes No N/A

TANK SYSTEMS STORING IGNITABLE OR REACTIVE WASTES

7. For tanks used or treat or store ignitable or reactive wastes, has the o/o complied with **one of the following**: [3745-66-98(A)] Yes No N/A

- 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**

- 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**

- c. The tank is used solely for emergencies?[3745-66-98(A)] Yes No N/A

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)? Yes No N/A

[3745-66-98(B)]

9. Has the o/o placed incompatible wastes or materials into the same tank 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)] Yes No N/A

- a. **If so**, have the requirements of 3745-65-17(B) been met?[3745-66-99(A) and/or (B)] Yes No N/A

TANK SYSTEM – WASTE ANALYSIS REQUIREMENTS

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 No N/A

- a. Conducted waste analysis and trial treatment or storage tests?[3745-66-100(A)]; **OR** Yes No N/A

[Facility Name/Inspection Date]

[ID number]

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- b. Obtained written documents 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 No N/A

TANK SYSTEMS REQUIREMENTS

- 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 No N/A

NOTE: You should review the file to see if the written assessment has been previously reviewed and what the results were.

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 No N/A
- b. Consideration of the design standards of the system?[3745-66-92(A)] Yes No N/A
- c. Consideration of the hazardous characteristics of the waste(s)?[3745-66-92(A)] Yes No N/A
- d. An evaluation by a corrosion expert (if the external system/components are metal)?[3745-66-92(A)] Yes No N/A
- e. A determination of design and operational measures that will be needed to protect the tank system from potential damage (for underground tank components)?[3745-66-92(A)] Yes No N/A
- f. Design considerations to ensure that the tank foundations will maintain the load of a full tank?[3745-66-92(A)] Yes No N/A
- g. Design considerations for anchoring the unit to prevent floatation (for tanks situated in a seismic fault zone or saturated zone)?[3745-66-92(A)] Yes No N/A
- h. Design considerations to ensure that the tank system will withstand the effects of frost heave(for underground tank systems)?[3745-66-92(A)] Yes No N/A

NOTE: CO-DHWM Engineering staff are available to assist you with evaluation of the written assessment.

- 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 No N/A

Do the written statements address all of the following:

- a. Inspection for damage and/c adequate construction and install was conducted?[3745-66-92(B)] Yes No N/A
- b. Statement that deficiencies were corrected before the tank system was covered or put into use?[3745-66-92(B)] Yes No N/A
- c. Proper backfilling?[3745-66-92(C)] Yes No N/A
- d. Tightness test; if the tank was found not to be tight, does the statement indicate that proper repairs were made?[3745-66-92(D)] Yes No N/A
- e. Proper support and protection of ancillary equipment?[3745-66-92(E)] Yes No N/A
- f. Supervision of the installation of field fabricated corrosion protection?[3745-66-92(F)] Yes No N/A

SECONDARY CONTAINMENT

14 Has secondary containment been provided? Yes No N/A

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 No N/A

- a. An **External Liner**? [3745-66-93(E)(1)] If so,
 - i. Is liner designed or operated to contain 100% of the capacity of the largest tank? Yes No N/A
 - 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 No N/A
 - iii. Is liner free of cracks and gaps? Yes No N/A
 - iv. Does liner completely surround the tank and cover all earth likely to be contacted by waste during a release? Yes No N/A
 - v. Are chemically resistant water stops in place at all points? (*concrete liners only*) Yes No N/A
 - vi. Is there a compatible interior coating or lining to prevent migration of waste into the concrete? (*concrete liners only*) Yes No N/A
- b. **Vault System**? [3745-66-93(E)(2)] If so,
 - i. Is vault system designed to contain 100% of the capacity in the largest tank? Yes No N/A

- ii. Is liner designed and operated to prevent run-on and infiltration of the collection system has excess capacity to contain run-on and infiltration from a 25-year, 24-hour storm? Yes No N/A
 - iii. Are chemically resistant water stops in place at all points? Yes No N/A
 - iv. Is there a compatible interior coating to prevent migration into the concrete? Yes No N/A
 - v. For **ignitable or reactive waste**: Is the vault system provided with means to prevent against the formation or ignition of vapors? Yes No N/A
 - vi. Is vault system provided with an exterior moisture barrier? Yes No N/A
- c. **Double-Walled Tank?** [3745-66-93(E)(3)] If so,
- i. Is double-walled tank designed as an integral structure to contain any release from the inner tank? Yes No N/A
 - ii. **If metal**, are the primary tank interior and outer shell exterior surfaces protected from corrosion? Yes No N/A
 - iii. Is double-walled tank provided with a continuous leak detection system able to detect a release within 24 hours or at the earliest practicable time? Yes No N/A
- d. **An Equivalent Device?** As described in 3745-66-93(D)(4) which has been approved by the director? [3745-66-93(D&E)] Yes No N/A

SECONDARY CONTAINMENT DESIGN/OPERATION/INSTALLATION

- 16 Has each secondary containment system been designed, installed and operated to prevent any migration of wastes or liquid to the soil, groundwater, or surface water and is it capable of detecting and collecting releases and accumulated liquids?[3745-66-93(B)(1) and (2)] Yes No N/A
- 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 No N/A
 - b. Placed on a foundation or base capable of providing support?[3745-66-93(C)(2)] Yes No N/A
 - 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 No N/A
 - d. Sloped or designed to drain and remove liquid resulting from leaks, spills or precipitation?[3745-66-93(C)(4)] Yes No N/A

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©](4)]

Yes No N/A

ANCILLARY EQUIPMENT REQUIREMENTS

18 Is ancillary equipment provided with secondary containment (such as double-walled piping, jacketing or a trench)?

Yes No N/A

If not, 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 No N/A

b. Welded flanges, welded joints and/or welded connections that is inspected daily?

Yes No N/A

c. Sealless or magnetic coupling pumps and/or sealless valves?

Yes No N/A

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 No N/A

TANK SYSTEMS FOUND TO BE LEAKING OR UNFIT FOR USE

19 Has there been a leak or spill from any tank system or has any tank system been found unfit for use? *If so*, did the o/o:

Yes No N/A

NOTE: If the tank is found to be unfit for use, inspector should explain why.

a. Immediately cease flow of material into tank and investigate the cause of the release?[3745-66-96(A)]

Yes No N/A

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 No N/A

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 No N/A

d. Immediately conduct a visual inspection of the release?[3745-66-96(C)]

Yes No N/A

e. Prevent further migration of the leak or spill to soils or surface waters?[3745-66-96(C)]

Yes No N/A

f. Properly dispose of any visibly contaminated soil or surface water? [3745-66-96(C)]

Yes No N/A

g. Report the release to the director within 24 hours unless it was less than one pound and was cleaned up immediately? [3745-66-96(D)(1)]

Yes No N/A

h. Submit a written report of the incident to the director within 30 days of the release? [3745-66-96(D)(3)]

Yes No N/A

i. Remediate the spill and repair the unit prior to returning it to service? [3745-66-96(E)(2)]

Yes No N/A

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 No N/A

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.

20 In the event that the repairs to the tank system were major (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 No N/A

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 No N/A

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 No N/A

23 Does the o/o have a tank system with a variance from secondary containment from which a release has occurred but has not migrated beyond the zone of engineering control? If so,

Yes No N/A

a. Has the o/o complied with 3745-66-96(A) through (F) and decontaminated soils? [3745-66-93(G)(3)]

Yes No N/A

b. If soils cannot be decontaminated/removed, has the o/o complied with 3745-66-97(B)? [3745-66-93(G)(3)]

Yes No N/A

24 Does the o/o have a tank system with a variance from secondary containment from which a release occurred and has migrated from the zone of engineering control? If so,

Yes No N/A

a. Has the o/o complied with 3745-66-96(A) through (D), prevented migration, and decontaminated soil? [3745-66-93(G)(4)]

Yes No N/A

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 No N/A