



State of Ohio Environmental Protection Agency

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P.O. Box 1049
Columbus, OH 43216-1049

August 29, 2008

Mr. Jesse W. Dowdy
Funk Finecast Inc.
824 Kinnear Road
Columbus, OH 43212

Re: **Funk Finecast**
OHD052862703
Small Quantity Generator
Franklin County
Notice of Violation

Dear Mr. Dowdy

Thank you for accompanying me during Ohio EPA's August 19, 2008, inspection of Funk Finecast Inc. (Funk Finecast) in Columbus, Ohio. We inspected Funk Finecast to determine its 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).

Ohio EPA's inspection included an inspection of facility operations and a review of records. Based on this inspection, Ohio EPA has determined Funk Finecast has violated the following hazardous waste rule.

1. **OAC 3745-66-74 , Container storage area inspections:** Are conducted on a weekly basis and recorded in a log or summary.
 - (a) Funk Finecast was conducting the inspections of the container storage area but was not logging these inspections.
 - (b) Funk Finecast should log these inspections once every seven days. Two examples of container storage area log with emergency equipment log and container storage area and separate emergency equipment log are enclosed for your information.
 - (c) Please send a copy of completed inspection logs for two weeks of inspections to this office. A return to compliance will be issued to Funk Finecast upon receipt of this information.

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

Mr. Jesse W. Dowdy, Maintenance Leader
Funk FineCast
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The checklists and site identification form completed for this inspection are enclosed. You can find copies of the rules and other information on the division's web page at <http://www.epa.state.oh.us/dhwm>. Ohio EPA also has helpful information about pollution prevention at the following web address: <http://www.epa.state.oh.us/ocap/ocap.html>. We have also enclosed guidance on Fluorescent Lamps that has contact information for recyclers.

Should you have any questions, please feel free to call me at (614) 728-5036.

Sincerely,



Chris Bulinski
Environmental Specialist
Division of Hazardous Waste Management
Central District Office

Enclosures

c: Kristina Durnell, DHWM/CO / with enclosures
CDO File / with enclosures

CB/nm

finecastnov2008.doc

NOTICE:

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

Emergency Equipment Inspection Log

Inspection Item	Inspection Schedule	Date: Time:	Date: Time:	Date: Time:	Date: Time:	Date: Time:	Date: Time:
Operational Internal Alarm/Intercom	Daily						
Telephone, Radio or other Emergency Summoning Device Present and Working	Daily						
Fire Extinguishers charged and working	Daily						
Spill/Decon Equipment Fully Stocked	Daily						
Water of Adequate Volume and Pressure	Daily						
ER Equipment Consistent with Contingency Plan and easily Accessible	Daily						
Other							
Other							
Other							
Other							
Inspector's Name:							

Comments/Problems/ Corrective Action Required/Date Completed	Day 1	
	Day 2	
	Day 3	
	Day 4	
	Day 5	
	Day 6	
	Day 7	

COMPANY NAME
 WEEKLY CHECKLIST
 CONTAINER STORAGE AREA &
 PREPAREDNESS & PREVENTION EQUIPMENT

Date									
Item									
Containers Leaking?									
Containers closed?									
Containers Dated and Labelled?									
Spill Absorbent?									
Emergency Communication Device Working?									
Alarm/PA Working?									
Fire: Extinguishers? Water?									
Area Clean? *									
Explain All Problems Above and Any Remedial Actions Taken									
Inspector Name (not initials)									
Inspection Time									

* Optional Items

Fluorescent Lamps: What You Should Know

DHWM Guidance Document

DATE: January 2007

Do you use lamps?

EVERYONE uses lamps! Many people don't realize they can be hazardous because of the mercury, lead and cadmium they contain. When Ohio EPA uses the term "lamp" it includes:

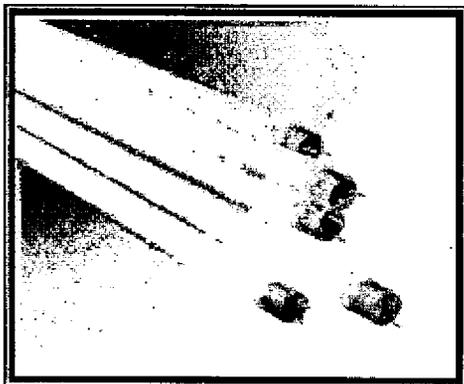
- incandescent;
- fluorescent;
- metal halide;
- neon;
- high-intensity discharge (HID);
- high-pressure sodium;
- mercury-vapor;
- and LED lamps.

Why are waste lamps harmful?

Lamps can contain mercury, lead, cadmium and barium, which are toxic chemicals that can accumulate in living tissue and cause health problems. A small amount of mercury is needed in all fluorescent and HID lamps to make the lamp work. When a lamp breaks or is thrown away in a solid waste landfill or incinerator, the mercury can contaminate air, soil, surface water and ground water.

Be Aware!

Some fluorescent lamps contain up to 40 mg of mercury!



Are fluorescent lamps a good environmental and economic choice?

Yes. The use of energy-efficient lighting reduces electricity needed from power plants. This reduces harmful power plant emissions of mercury, carbon dioxide and nitrogen oxide. Using less energy reduces demands on electric utilities and results in cost savings for customers.

What is the best way to manage the hazardous lamps I generate?

We recommend that you manage your waste lamps under the Universal Waste Rule (UWR). The UWR eliminates many regulatory requirements such as waste evaluation, manifesting and record keeping. This rule ensures waste lamps will be properly recycled. By following the UWR, you will reduce the financial and regulatory burden on your company and help protect the environment.

What is the UWR?

The UWR streamlines collection requirements for certain hazardous wastes in the following categories: batteries, pesticides, mercury-containing equipment (such as thermostats) and lamps (such as fluorescent bulbs). The rule is designed to make it easier for universal waste (UW) handlers to collect these items and send them for recycling or proper disposal.

Advantages of managing waste lamps under the UWR:

- UW is not counted toward hazardous waste generator status.
- No manifesting required unless the waste lamps are transported through states, or treated or disposed in states that do not recognize mercury-containing lamps as a universal waste.
- Increased storage time available.
- Reduced administrative requirements for record-keeping, training, and emergency preparedness.

Managing your lamps as UW

If you choose to manage your waste lamps as UW, you are not required to evaluate them. You are, however, required to determine your handler category and then follow all requirements associated with that category. Most UW handlers are classified as small quantity handlers based on the total quantity of **all types** of UW waste they accumulate at any time. Small quantity handlers accumulate less than 5,000 kilograms, or 11,023 pounds of UW at any time. For example, 5,000 kg is approximately 17,000 four-foot lamps.

UW handlers who accumulate more than 5,000 kilograms of UW on-site at any time must comply with the large quantity UW handler requirements for the remainder of the calendar year.

The main advantages to managing waste under the UWR instead of the hazardous waste rules are that, the UWR requires less paperwork, less man-hours and saves you money.

May I use a lamp crusher to crush the lamps I generate?

Yes. However, if you choose to crush your lamps, you must manage them under the hazardous waste rules. You may not manage crushed lamps under the UWR.

What if I decide not to manage my lamps as UW?

If you choose not to manage your lamps as UW, then you must evaluate them to determine if they are hazardous. To evaluate your waste lamps, you can either:

- send a representative sample to a laboratory for testing; or
- obtain complete up-to-date analysis of the lamps from the manufacturer.

Managing your lamps as hazardous waste

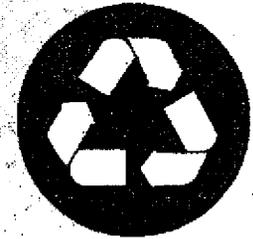
If your lamps are hazardous, you must manage them according to Ohio's hazardous waste rules. To know what rules to follow, you must know your generator category. Generator category is determined by how much hazardous waste you generate in a calendar month. For more details, please see our Hazardous Waste Generator Categories guidance document.

What if my lamps have green tips?

Some fluorescent lamp manufacturers have created "green tipped" lamps that they claim are not hazardous. Although it's true that green tipped lamps contain less mercury than other lamps, this may not be enough for the green tipped lamps to avoid being regulated as hazardous waste. For the lamps to be non-hazardous, and therefore not subject to the hazardous waste rules, the laboratory test results must be less than all the regulatory limits found in Ohio Administrative Code (OAC) rule 3745-51-24. Some examples are:

- mercury - 0.2 mg/L;
- cadmium - 1.0 mg/L;
- lead - 5.0 mg/L;
- and barium - 100.0mg/L.

When you are done using any lamps at your facility, and are disposing or recycling them, they are a waste stream. According to OAC rule 3745-52-11, all wastes, except universal wastes, must be evaluated to determine if they are hazardous.



Non-hazardous

Lamps: While these lamps are not hazardous waste, they still contain low amounts of heavy metals such as mercury, lead and cadmium that can potentially harm the environment! Ohio EPA encourages recycling rather than disposing of non-hazardous lamps.

What if I have non-hazardous lamps?

If you determine your lamps are not hazardous, you have the option to manage them as solid waste. However, we recommend you manage them as UW even though the UW compliance standards are not required.

Lamp Recyclers in Ohio:

<p>Environmental Recycling 527 E. Woodland Circle P.O. Box 167 Bowling Green, OH 43402 wgrabowski@envrecycle.com www.envrecycle.com phone: (800) 284-9107 fax: (419) 354-5110</p>	<p>U.S.A. Lamp & Ballast Recycling 7806 Anthony Wayne Ave. Cincinnati, OH 45216 www.usalamp.com phone: (800) 778-6645 fax: (513) 641-4156</p>
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Resources:

Division of Hazardous Waste Management Web site: www.epa.state.oh.us/dhwm

If you have more questions about hazardous waste please check the Answer Place, call the DHWM Regulatory Services Unit at (614) 644-2917, or contact your local district inspector.

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: OHD052862703								
Site Name	Name: Funk Fine Cast				Website: (Optional)				
Site Location Information	Street Address: 824 Kinnear Road								
	City, Town, or Village: Columbus				State: OH				
	County Name: Franklin				Zip Code: 43212				
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/naics.html	331512								
Facility Representative Additional names can be recorded in number 12 Only provide address information if it is different than the site address	First Name: Jeff			MI:	Last Name: Pahre				
	Phone Number: 614-481-8074				Phone Number Extension:				
	E-Mail Address:								
	Fax Number:				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: Jeff Pahre				Date Became Owner (mm/dd/yyyy):				
	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:								
	City, Town or Village:				Owner Phone #:				
	State:			Country:		Zip Code:			
	Name of Site's Operator:				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?	<input checked="" type="checkbox"/> 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 type="checkbox"/> Large Quantity Generator (LQG)				<input type="checkbox"/> Mixed Waste (Hazardous and Radioactive) Generator					
<input checked="" 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 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 checked="" 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 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 RCRA Info source record, you do not need to list them all. Instead just indicate the date of the most recent source record.			
D007			
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: Jesse W. Dowdy
Tanks	<input type="checkbox"/> Yes	<input checked="" 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)
Chris Bulinski			8/19/2008
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)

Remarks

Funk fineCast is located at 824 Kinnear Road, Columbus, Ohio 43212. The EPA ID number is OHD052862703. Funk fineCast was founded in 1970 by Dr. Edward Funk. The company was purchased by Jeff Pahre and Tedd Stewart in 1988. Sales are up to 8 million per year. Funk fineCast manufactures precision cast parts using the lost wax process. Funk fineCast casts parts from ferrous metals, aluminum and copper alloys (brass). Funk fineCast has a machine shop at a different location on West State Street in Columbus, Ohio.

Mr. Jesse Dowdy the maintenance leader represented Funk fineCast during the inspection. Jeff Pahre, the owner of the company, joined us at the beginning and end of inspection.

The casting process starts with making the molds by dipping a wax piece the shape of the part to be cast in a solution of ceramic containing chromium for heat resistance then sand. This takes place several times until a shell is built up. The wax is then melted out of the mold. The mold is filled with liquid ferrous metal (steel), aluminum or copper alloy (brass). The metal hardens and the ceramic shell is busted off the part with a pneumatic hammer. If the ceramic does not come off with a pneumatic hammer then a 10,000 PSI power washer is used to remove the ceramic material. In both of these processes the ceramic is collected and placed into a dumpster for pick up by Waste Management and management as a solid waste. The TCLP test results show the ceramic waste is below 5 mg/L chromium and is a solid waste.

If the ceramic material is still in the nooks and crannies of the part it is placed in baskets and lowered into a tank of molten 900 degree F caustic salts called Kolene. This generates a ceramic sludge in the bottom of the tank. This sludge is hazardous for chromium and is a D007 hazardous waste. It is pulled out into a sludge pit where it hardens and is then placed into 55 gallon drums in the 270 day accumulation area. The clean parts are ready for machining, heat treating, or painting at other facilities.

The generation rate for the D007 ceramic sludge is about 1200 pounds per month. 6 drums 4406 pounds of this waste were shipped on 12-14-2006 to Michigan Disposal Waste Treatment Plant 49351 North I-94 Service Drive Bellville, Michigan 48111 MID000724831 for treatment by stabilization and then placed into a landfill. It is transported by Enviroserve OHD087050564. 8 drums 4520 pounds of this waste was shipped to Michigan Disposal on 03-09-2006. 4 drums 2239 pounds of this waste was shipped to Michigan Disposal on 05-10-2006. 4 drums 3083 pounds of this waste was shipped to Michigan Disposal on 05-24-2007. 4 drums 3080 pounds of this waste were shipped to Michigan Disposal on 12-17-2007. 7 drums 4644 pounds of this waste were shipped to Michigan Disposal on 04-25-2008.

Funk fineCast's machines are oiled by a company called Preventative Maintenance that comes in and changes the oil in the machines and then takes the used oil from the machines with them. Used oil is also generated by compressor blow down but

only very small quantities of oil are generated and accumulated in a 55 gallon drum. Funk fineCast has not had to ship used oil for many years. Funk fineCast uses low mercury Philips Alto and GE Ecolux fluorescent bulbs. The used wax from making molds is placed in boxes and sent out to have the water removed. It then comes back to the facility to be reused to make molds again. Finally the scrap steel, brass and aluminum are recycled by Remelt Resources, American Stainless, and Alby Products.

**...ALL QUANTITY GENERATOR REQUIREMENTS
COMPLETE AND ATTACH A PROCESS, WASTE, P2 SUMMARY SHEET**

CESQG: ≤ 100 Kg. (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 checked="" type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| 2. | Has the generator obtained a U.S. EPA I.D. number? [3745-52-12] | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| 3. | 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 type="checkbox"/> | No <input checked="" type="checkbox"/> | N/A <input type="checkbox"/> |
| 4. | Has the generator disposed of hazardous waste on-site without a permit or at another facility other than a facility authorized to dispose of hazardous waste? [ORC 3734.02 (E) & (F)] | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | N/A <input type="checkbox"/> |
| 5. | Does the generator accumulate hazardous waste? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |

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

- | | | | | |
|----|---|------------------------------|--|------------------------------|
| 6. | Has the generator accumulated hazardous wastes <u>in excess of</u> (180/270) days without a permit or an extension from the Director? [3745-52-34; ORC §3734-02(E)&(F)] | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | N/A <input type="checkbox"/> |
|----|---|------------------------------|--|------------------------------|

NOTE: SQG's shipping waste to a facility greater than 200 miles away can accumulate on-site for 270 days. [3745-52-34 (E)]

- | | | | | |
|----|---|------------------------------|--|------------------------------|
| 7. | Is the generator accumulating more than 6,000 kg on site? [3745-52-34(D)] | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | N/A <input type="checkbox"/> |
|----|---|------------------------------|--|------------------------------|

NOTE: 6,000 kg = approximately 27, 55-gallon drums. If the facility is accumulating waste for greater than 180/270 days without an extension/permit or is accumulating greater than 6,000 kg on-site, it is classified as a storage facility and TSD standards apply. Complete applicable TSD checklists.

- | | | | | |
|----|---|------------------------------|-----------------------------|---|
| 8. | Does the generator treat hazardous waste in a: | | | |
| | 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.

MANIFEST REQUIREMENTS

9. Are all hazardous wastes either reclaimed under a contractual agreement as defined in OAC rule 3745-52-20(E), or shipped off-site accompanied by a manifest (U.S. EPA Form 8700-22)? [3745-52-20(A)] Yes No N/A
10. Are wastes reclaimed under a contractual agreement? If so: [3745-52-20(E)] Yes No N/A
- a. Does the contractual agreement specify the type of waste and frequency of shipment? Yes No N/A
- b. Is the transport vehicle owned and operated by the reclaimer? Yes No N/A
- c. Is a copy of the reclamation agreement kept on-site for at least three years after termination/expiration of the agreement? Yes No N/A

NOTE: If wastes are reclaimed under a contractual agreement and an answer to questions 10(a) through 10(c) is no, the generator is in violation of 3745-52-20 (A) (B) & (D), 3745-52-22 and 3745-52-23. Even if the waste is being reclaimed under agreement, LDRs still apply. Complete LDR checklist.

11. 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 complete. [3745-52-20 (A)]

12. 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 alternative 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)]

13. If the transporter was unable to deliver a shipment of hazardous waste to the designated facility did the generator designate an alternative TSD facility or give the transporter instructions to return the waste? [3745-52-20(D)] Yes No N/A

14. Have the manifests been signed by the generator and initial transporter? [3745-52-23 (A) (1) and (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 made a good faith effort to minimize their waste generation.

15. If the generator did not receive a return copy of each completed manifest within 60 days of being accepted by the transporter did the generator submit to Ohio EPA, a copy of the manifest with some indication that the generator has not received confirmation of delivery? [3745-52-42(B)] Yes No N/A

16. Are signed copies of all manifests 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.

PREPAREDNESS AND PREVENTION

17. Is an emergency coordinator available at all times (on-site or on-call)? [3745-52-34(D)(5)(a)] Yes No N/A
18. Has the following been posted by the telephone: [3745-52-34(D)(5)(b)]
- a. Name and telephone number of emergency coordinator? Yes No N/A
- b. Location of fire and spill control equipment, and, if present, fire alarm(s) Yes No N/A
- c. Telephone number of local fire department? Yes No N/A
19. Are employees familiar with waste handling and emergency procedures [3745-52-34(D)(5)(c)] Yes No N/A
20. Has the facility properly responded to all fires and spills? [3745-52-34(D)(5)(d)] Yes No N/A
21. Is the facility operated to minimize the possibility of fire, explosion, or any unplanned sudden or nonsudden release of hazardous waste? [3745-65-31] Yes No N/A
22. 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
23. Is emergency equipment tested (inspected) as necessary to ensure its proper operation in time of emergency? [3745-65-33]
- a. Are inspections recorded in a log or summary? [3745-65-33]? Yes No N/A
24. Do personnel have immediate access to an internal alarm or emergency communication device when handling hazardous waste (unless the device is not required under OAC 3745-65-32)? [3745-65-34(A)] Yes No N/A
25. 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
26. Is adequate aisle space provided for unobstructed movement of emergency or spill control equipment? [3745-65-35] Yes No N/A
27. Has the generator attempted to familiarize emergency authorities with possible hazards and facility layout? [3745-65-37(A)] Yes No N/A
28. 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

29. 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 the words "Hazardous Waste" or other words identifying the contents? [3745-52-34(C)(1)(b)] Yes No N/A
30. 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 the excess with the accumulation date when the 55 gallon (one quart) limit was exceeded? [3745-52-34(C)(2)] 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

31. Has the generator marked containers with the words "Hazardous Waste"[3745-52-34(D)(4)] Yes No N/A
32. Is the accumulation date on each container? [3745-52-34(D)(4)] Yes No N/A
33. 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 and photograph the area.

34. Is the container accumulation area(s) inspected at least weekly? [3745-66-74] Per ORCs 1.44(A) "Week" means seven(7) consecutive days. Yes No N/A
- a. Are inspections recorded in a log or summary? [3745-66-74] Yes No N/A
35. 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
36. If the generator places incompatible wastes, or incompatible wastes and materials in the same container, is it done in accordance with 3745-65- Yes No N/A

37. 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.

PRE-TRANSPORT REQUIREMENTS

38. Does each 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
39. Does each container \leq 100 gallons have a completed hazardous waste label? [3745-52-32(B)] Yes No N/A
40. 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

**GENERATOR LDR CHECKLIST
DOES NOT APPLY TO CESQGS**

GENERAL REQUIREMENTS

1.	If LDRs do not apply, does the generator have a statement that lists how the HW was generated, why LDRs don't apply and where the HW went? [3745-270-07 (A)(7)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
2.	Did the generator determine if the HW/soil must be treated to meet the LDR treatment standard prior to disposal? Generator knowledge or testing may be used. [3745-270-07(A)(1)]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>

NOTE: This is done by determining if the HW /soil contains levels of constituents greater than the levels given in its LDR treatment standard in 3745-270-40. However, if a specific treatment method is given in 3745-270-40 for the HW, no determination is required [3745-270-07 (A)(1)(b)]. If soil, generator can choose to have soil treated to LDR levels given in 3745-270-49 (alternative treatment levels for soils).

3.	Does the generator have documentation of how he determined whether the HW/soil meets or does not meet the LDR treatment standard in 2, above? [3745-270-07(A)(6)(a) or 3745-270-07(A)(6)(b)]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
4.	Does the generator keep the documentation required in #2, above, on-site for at least three years from the last date the HW/soil was sent on-site/off-site for treatment/disposal? [3745-270-07(A)(8)]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
5.	Does the generator generate a listed HW that exhibits a characteristic? If yes,	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>
a.	Did the generator determine if the listed HW exhibits a characteristic that is not treated under the LDR treatment standard for the listed HW? [3745-270-09(A)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>

FOR EXAMPLE: F006 that exhibits the characteristic for silver or K062 that is corrosive, D002. Review LDR treatment standard in 3745-270-40 to determine what constituents the listed HW is treated for.

6.	Did the generator determine if its characteristic HW contains underlying hazardous constituents that need to be treated? [3745-270-09(A)]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
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NOTE: This is done by evaluating which underlying hazardous constituents (UHC) are in the HW at levels above the universal treatment standards given in 3745-270-48. This requirement does not apply to high total organic carbon (i.e., contains >10% TOC) D001 wastes or listed HWs.

NOTE: Written documentation of this determination is not required.

7.	Did the generator treat his HW /soil on-site to meet the LDR treatment standard?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>
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NOTE If "Yes" see question #16.

8.	Did the generator send a one-time LDR notification form to the TSD with the first shipment to that facility?[3745-270-07(A)(2)]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
9.	Did the generator resubmit the LDR notification form to the TSD when the HW changed or the generator used a new TSD? [3745-270-07(A)(2)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
10.	Does the generator have a copy of the LDR notification form on file?[3745-270-07(A)(2)]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
a.	Is the form kept on file for three years after last-HW shipped? [3745-270-07(A)(8)]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>

NOTIFICATION FORM

11.	Does the LDR Notification form contain the following information:	
a.	Manifest number of the first waste shipment to the TSD?[3745-270-07(A)(2)]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
b.	Applicable waste codes (includes characteristic codes for a listed HW if applicable)? [3745-270-07(A)(2)]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
c.	A statement that conveys that the HW is subject to LDRs and must be treated to meet LDR treatment requirements? [3745-270-07(A)(2)]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
d.	A designation whether the HW is a wastewater or non-wastewater? [3745-270-07(A)(2)].	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>

GENERATOR TREATMENT			
16.	Does the generator treat to meet LDRs on-site [3745-270-40(A)]?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>	
	Did the generator treat his hazardous waste/soil on-site in a tank, container, drip pad or containment building <u>to meet</u> the LDR treatment standard?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	
	If "Yes"...complete the rest of the checklist. If "No"...stop...you are done.		
a.	Does the generator have a written waste analysis plan (WAP) that describes the procedures he will follow to treat the HW/soil to the LDR treatment standard? [3745-270-07(A)(5)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	
b.	Did the generator use a detailed chemical and physical analysis of the HW/soil in order to develop the WAP? [3745-270-07(A)(5)(a)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	
NOTE: This is a laboratory analysis but it does not have to be kept by the generator.			
c.	Does the WAP contain all information necessary to treat the HW/soil to the LDR treatment standard? [3745-270-07(A)(5)(a)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	
d.	Does the WAP include the testing frequency of the treated HW/soil to demonstrate that the LDR treatment standard is being met? [3745-270-07(A)(5)(a)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	
e.	Does the generator keep the WAP on-site? [3745-270-07(A)(5)(b)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	
f.	Is the WAP available for the inspector's review during the inspection? [3745-270-07(A)(5)(b)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	
NOTIFICATION FORM			
17.	a.	Contains all information in #11 a-g above and	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
	b.	If the treated HW/soil is listed.....notification contains the following certification statement: " I certify under penalty of law that I personally have examined and am familiar with the waste, through analysis and testing or through knowledge of the waste, to support this certification that the waste complies with the treatment stands specified in rule 3745-270-40 to 3745-270-49 of the Administrative Code. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
	c.	If the treated HW/soil no longer exhibits a characteristic and is no longer a HW, did the generator:	
	i.	Send a one-time notification to the director?[3745-270-09(D)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
	ii.	Maintain a copy of the notice onsite?[3745-270-09(D)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
	iii.	Include in the notification: [3745-270-09(D)(1)(a)]	
		1. Name & address of receiving landfill?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
		2. Description of HW when generated?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
		3. HW code when generated?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
		4. Treatability group when generated?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
		5. Underlying hazardous constituents present when generated?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
	iv.	Contain the right certification statement as required by 3745-70-07(b)(4)?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>

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] **Very little used oil accumulated and has not been shipped off in many years.** 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#

