



State of Ohio Environmental Protection Agency

Northeast District Office

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Twinsburg, Ohio 44087

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

December 26, 2007

Mr. Richard S. McCarthy, President
Youngstown Hard Chrome Plating and Grinding, Inc.
P.O. Box 3508
8451 Southern Blvd.
Youngstown, OH 44513

RE: YOUNGSTOWN HARD CHROME PLATING AND GRINDING, INC., EPA ID NO. OHD 004 170 296, MAHONING COUNTY, NOV

Dear Mr. McCarthy:

On November 29, 2007, Sherry Slone and I, as representatives of the Ohio EPA Division of Hazardous Waste Management, conducted an inspection of the Youngstown Hard Chrome Plating and Grinding, Inc. (Youngstown Hard Chrome) facility in Youngstown, Ohio. We inspected the facility to determine Youngstown Hard Chrome's compliance with Ohio's hazardous waste, universal waste and used oil laws and regulations as found in Chapter 3734 of the Ohio Revised Code (ORC) and Chapter 3745 of the Ohio Administrative Code (OAC). Youngstown Hard Chrome was represented during the inspection by Daniel McCarthy and Matt Smith.

The inspection included reviews of facility records, interviews with facility personnel and a facility walk-through. Additional information was provided by a letter from Daniel McCarthy dated December 17, 2007. The results of these reviews are discussed below.

Based on the facility documents reviewed, and observations made during the facility walk-through, Ohio EPA has determined that Youngstown Hard Chrome has violated the following state hazardous waste regulation:

1. OAC Rule 3745-52-34(C)(1)(b) Must mark satellite accumulation containers with the words Hazardous Waste or other words that identify the contents

One 55 gallon drum being managed as a satellite accumulation container in the Oil Storage Area, and holding waste oil thinner, was not labeled with the words "Hazardous Waste" or with other words that identified the contents

This was abated during the inspection. No additional action on this issue is required to return to compliance.

2. OAC Rule 3745-65-16(C) Facility personnel with hazardous waste management responsibilities must take part in an annual review of the initial training.

Facility personnel training has been provided every other year, rather than annually as required. Training was last completed in January 2007.

To return to compliance the facility must:

- Conduct the next annual refresher training within 30 days of receipt of this letter. Provide written documentation of such training and provide written documentation of the facility's commitment to conduct annual refresher training annually.

- Provide this information to this office within 30 days of receipt of this letter.

3. **OAC Rule 3745 273-14(E) Small Quantity Handler must label each lamp or container holding universal waste lamps.**

Two boxes of used fluorescent bulbs to be managed as universal waste were located in the Storage Room. Neither were labeled with any of the acceptable words in OAC Rule 3745 273-14(E).

This was abated during the inspection. No additional action on this issue is required to return to compliance. In the future, label all containers holding universal waste lamps with the words "Universal Waste Lamp(s)," or "Waste Lamp(s)," or "Used Lamp(s)."

4. **OAC Rule 3745 273-13(D)(1) Small Quantity Handler must store containers of universal waste lamps closed.**

Two boxes of used fluorescent bulbs, to be managed as universal waste, were located in the Storage Room. Neither of these containers was closed.

This was abated during the inspection. No additional action on this issue is required to return to compliance. In the future, keep containers holding universal waste lamps closed.

5. **OAC Rule 3745 279-22(C)(1) Used oil containers must be labeled with the words "Used Oil".**

Two five gallon containers of used oil, from vehicle oil changes, were located in maintenance garage. They were not labeled with the words "Used Oil".

This was abated during the inspection. No additional action on this issue is required to return to compliance. In the future, label all containers holding used oil with the words "Used Oil".

6. **OAC Rule 3745 279-72(A) Used oil marketer must ensure used oil meets specs by proper documents**

Used oil generated from vehicle oil changes is reportedly given to an employee to burn in a space heater. This activity is subject to the used oil marketer rules. The facility did not provide any documentation that it had performed any analyses or possessed other documentation that indicates that the used oil met the standards for on-spec used oil.

To return to compliance the facility must:

- Indicate in writing how the facility intends to manages its used oil in the future;
- Provide this information to this office within 30 days of receipt of this letter.

Enclosed you will find a copy of the checklists completed for the inspection.

Other Information

A list of Ohio EPA DHWM guidance documents can be found at the following internet site: <http://www.epa.state.oh.us/dhwm/guidancedocuments.html>. You can find copies of Ohio's hazardous waste laws and regulations at our web page at: <http://www.epa.state.oh.us/dhwm/Law&Regs.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>.

The OEPA 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 (source reduction). For those wastes and pollutants that are generated, the second priority is to recycle or reuse them in an environmentally sound manner. You can benefit economically, help preserve the environment and improve your public image through pollution prevention. More information about pollution prevention can be found on our website at: <http://www.epa.state.oh.us/ocapp/ocapp.html>.

Should you have any questions regarding this letter, please contact me at (330) 963-1165.

Sincerely,



Neil J. Wasilk
Environmental Specialist
Division of Hazardous Waste Management

NW:ddw

Enclosure

cc: Natalie Oryshkewych, Ohio EPA, DHWM, NEDO
Harry Sarvis, Ohio EPA, DHWM, CO
ec: Ed Wilk, Ohio EPA, DSW, NEDO

NOTICE:

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

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

For Ohio EPA use only

E-mail this completed form to
 tammy.mcconnell@epa.state.oh.us or mail it to Tammy
 McConnell, Central Office

2. Site EPA ID No.	EPA ID Number: OHD 004 170 296								
3. Site Name	Name: Youngstown Hard Chrome Plating and Grinding, Inc					Website: (Optional)			
4. Site Location Information	Street Address: 8451 Southern Blvd.								
	City, Town, or Village: Youngstown					State: OH			
	County Name: Mahoning					Zip Code: 44513			
5. 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 checked="" type="checkbox"/>	Other <input type="checkbox"/>	
6. CS code(s) (www.census.gov/epd/www/wis.html)	332813			333512					
7. Facility Representative Additional names can be recorded in number 12. Only provide address information if it is different than the site address.	First Name: Richard			MI: S.		Last Name: McCarthy			
	Phone Number: 330-758-9721				Phone Number Extension:				
	E-Mail Address:								
	Fax Number: 330-758-3954				Fax Number Extension:				
	Street or P.O. Box: P.O. Box 3508								
	City, Town or Village: Youngstown					State: Oh		Country: Mahoning	Zip Code: 44513
	Name of Site's Legal Owner:								
Date Became Owner (mm/dd/yyyy):									
8. Owner and/or Operator of the Site List Additional Owners and/or Operators in the Comment Section or on another copy of this form page	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:			
9. Violations Cited?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No								
10A. Type of Regulated Waste Activity (Mark "X" in all of the appropriate boxes)									
<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)									
<input type="checkbox"/> Hazardous Waste Transporter				<input type="checkbox"/> Exempt Boiler and/or Industrial Furnace					
<input type="checkbox"/> Treater, Storer or Disposer of Hazardous Waste				<input type="checkbox"/> Small Quantity On-Site Burner Exemption					
<input type="checkbox"/> Recycler of Hazardous Waste				<input type="checkbox"/> Smelting, Melting, Refining Furnace Exemption					
<input type="checkbox"/> Underground Injection Control Facility									

10B. Universal Waste Activities (Indicate types of universal waste managed (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		10C. Used Oil Activities (Indicate Type(s) of Activity)	
	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 checked="" type="checkbox"/>	<input type="checkbox"/> Used Oil Re-refiner	
11. 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, U007, 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.			
Same Annual report			
12. 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: Daniel McCarthy, Matt Smith
Tanks	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Other Comments:
Containers	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
13. Name of Inspector(s)		Name of Inspector(s)	Date of Inspection/Time (mm/dd/yyyy) (hh:mm)
Neil Wasilk		Sherry Slone	11/29/2007 10:00 a.m.
14. OPTIONAL CERTIFICATION. I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified persons 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)

Youngstown Hard Chrome, Inc.
8451 Southern Blvd.
Youngstown, Ohio 44513

PROCESS DESCRIPTION SECTION

Give a general process description (include all processes at the facility)

The facility's two main activities are:

- industrial hard chrome plating, usually of large machine parts; and
- grinding and polishing, usually of large machine parts.

approximately 25 employees.

Because many of the parts to be chrome plated are used, grinding and polishing of these parts is often necessary as part of the repair process prior to plating. In addition, the facility also processes many parts that only require grinding and polishing (i.e., are not chrome plated).

The chrome process at this facility is industrial hard chrome in which the only heavy metal used in the plating process is chromium. No other heavy metals used in the plating baths.

Facility states that all parts that it receives must be clean and without any free oil and free of paint. Consequently facility states that no paint removal is conducted at this site. The facility also stated that paint chips removed in blasting would adversely affect the plating process.

Facility processes include the following:

- Wiping off any oil (e.g., light machine oils) present on parts.
- Removing prior chrome plating in a strip tank to get back to base metal. Removal, which is the reverse of the chrome plating process, is done in a caustic bath using electrical current.
- Grinding metal parts to proper dimensions with aluminum oxide. Coolant used to remove heat from part.
- Polishing metal parts to proper surface smoothness with aluminum oxide. Dry process.
- Blasting in a room with aluminum oxide to prepare the surface for plating.
- Masking of portions of parts that are not to be chrome plated with special tape and paints.
- Wiping parts with MEK on clean rags to insure the part is sufficiently clean for chrome plating
- Chrome plating in dip tanks containing chromium solution using electrical current.
- Draining and hosing of parts over the dip tanks at end of plating.

Facility wastes include:

- Sludge from coolant used for grinders. This sludge is filtered on a moving filter from the coolant whenever the grinders are operated. Managed as non-hazardous waste and landfilled. Reportedly coolant is biodegradable and is not dumped. Makeup coolant is added as necessary.
- Rags from MEK wiping process are recycled in a commercial laundry using Cintas.
- Chromium containing waters from various sources. Recycled as makeup water to the chrome tanks.
- Dust from belt polishers collected in cyclones. Managed as non-hazardous waste and landfilled.
- Dust from aluminum oxide blast room is collected in cyclones. Managed as hazardous waste due to potential presence of lead (D008).
- Sludge from chrome tanks. Generated as needed to control quality of solution. Done once every 1-3 years. Managed as hazardous waste (D002, D007).
- Contaminated tape from masking, gloves and floor sweepings. Managed as hazardous waste (D007).
- Used MEK thinner and oil from compressor. Managed as hazardous waste (D001, D035, F005).
- Spent stoddard solvent from parts washer in maintenance shop. When spent is placed same container as used MEK thinner and oil. Managed as hazardous waste (D001, D035, F005).
- Used florescent bulbs. Managed as universal waste.
- Used oil from several vehicle oil changes per year. Given to an employee to burn in a space heater.

Walk-Through Observations.

Satellite accumulation drum by 30 foot dip tank. OK, dated, labeled closed.

Gaylord in boiler room into which satellite accumulation drums are emptied. Stored there until the Gaylord is full. Sign present stating that it is a satellite accumulation area. Does not meet requirements for satellite accumulation area. Facility is actually managing as a 90 day accumulation area. Container OK.

Primary 90 day accumulation area is located in the Storage Room. One 55 gallon drum and one gaylord in 90 day area. Containers OK.

Two boxes of used florescent bulbs to be managed as Universal Waste also present in the Storage Room. Box not properly labeled and not closed. Abated during inspection.

Two five gallon containers of used oil from vehicle oil changes located in maintenance garage. Not labeled with "Used Oil". Abated during inspection.

One 55 gallon drum in Oil Storage Area holding waste oil thinner not labeled to identify contents. Abated during inspection.

WASTE ACTIVITIES AND P2 SUMMARY SECTION

For each of the processes listed above that generate a waste give the following information: (1) name of process generating waste, (2) name or description of waste generated (e.g. sludge, solvent, ash, used oil, spent lamps, etc.), (3) EPA waste codes, if applicable, (4) quantity generated per month, (5) type of accumulation (container, tank, etc.) (6) waste accumulation location in facility, (7) type of on-site treatment (if used), (8) name of off-site management facility and type of waste management activity occurring there, (9) Current P2 activities, and (10) P2 opportunities

REMARKS-GENERAL INFORMATION

Regulatory/Enforcement History (if applicable):

Additional P2 remarks and information:

Would this facility be interested in a P2 assessment?

*If yes, refer promptly to your district P2 coordinator.

Office of Compliance Assistance and Pollution Prevention - 1-800-329-7518 or p2mail@epa.state.oh.us or www.epa.state.oh.us/ocapp/ocapp.html

Other:

**YOUNG TOWN HARD CHROM
LARGE QUANTITY GENERATOR REQUIREMENTS**

COMPLETE AND ATTACH A PROCESS DESCRIPTION SUMMARY

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

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

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

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

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

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

- | | | | | | | |
|---|-----|--------------------------|----|--------------------------|-----|-------------------------------------|
| 10. Does the generator treat hazardous waste in a: [ORC 3734.02(E)&(F)] NOT TREATING | Yes | <input type="checkbox"/> | No | <input type="checkbox"/> | N/A | <input checked="" type="checkbox"/> |
| a. Container that meets 3745-66-70 to 3745-66-77? | Yes | <input type="checkbox"/> | No | <input type="checkbox"/> | N/A | <input checked="" type="checkbox"/> |
| b. Tank that meets 3745-66-90 to 3745-66-101 except 3745-66-97 (C)? | Yes | <input type="checkbox"/> | No | <input type="checkbox"/> | N/A | <input checked="" type="checkbox"/> |
| c. Drip pads that meet 3745-69-40 to 3745-69-45? | Yes | <input type="checkbox"/> | No | <input type="checkbox"/> | N/A | <input checked="" type="checkbox"/> |
| d. Containment building that meets 3745-256-100 to 3745-256-102? | Yes | <input type="checkbox"/> | No | <input type="checkbox"/> | N/A | <input checked="" type="checkbox"/> |

NOTE: Complete appropriate checklist for each unit.

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

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

MANIFEST REQUIREMENTS

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

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

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

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

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

- | | | | | | | |
|--|-----|-------------------------------------|----|--------------------------|-----|--------------------------|
| 16. Have the manifests been signed by the generator and initial transporter? [3745-52-23(A)](1) & (2)] | Yes | <input checked="" type="checkbox"/> | No | <input type="checkbox"/> | N/A | <input type="checkbox"/> |
|--|-----|-------------------------------------|----|--------------------------|-----|--------------------------|

[Facility Name/Inspection Date]

[ID number]

LQG/February 2007

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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
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: *CONDUCTED EVERY OTHER YEAR*
- 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

CONTINGENCY PLAN

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

[Facility Name/Inspection Date]

[ID number]

LQG/February 2007

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)]

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

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

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

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

EMERGENCY PROCEDURES

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

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

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

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

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

PREPAREDNESS AND PREVENTION

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

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

a. Internal 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 and decon equipment? [3745-65-32(C)] Yes No N/A

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

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

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

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- 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
CONTAINER IN DIL STORAGE AREA NOT MARKED
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

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

USE AND MANAGEMENT OF CONTAINERS IN <90 DAY ACCUMULATION AREAS

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

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

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

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

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

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

PRE-TRANSPORT REQUIREMENTS

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

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YOUNGSTOWN HARD CARBON

USED OIL INSPECTION CHECKLIST GENERATORS, COLLECTION CENTERS AND AGGREGATION POINTS

NOTE: A facility is subject to the federal SPCC regulations (40 CFR 112) if it is non-transportation related (e.g., fixed) and has an aggregate above ground storage capacity greater than 1,320 gallons or a total underground storage capacity greater than 42,000 gallons of oil (including used oil), and there is reasonable expectation of a discharge to navigable waters.

PROHIBITIONS

1. Does the generator manage used oil in a surface impoundment or waste pile? If yes: Yes No N/A
- a. Is the surface impoundment or waste pile regulated as a hazardous waste management unit? [3745-279-12(A)] Yes No N/A
2. Is used oil used as a dust suppressant? [3745-279-12(B)] Yes No N/A
3. Is off-specification used oil fuel burned for energy recovery in devices specified in 3745-279-12(C)? Yes No N/A

NOTE: Multiple used oil checklists may be applicable if used oil handler is performing multiple tasks (e.g., if generating used oil and shipping directly to a burner, complete generator and marketer checklists at a minimum).

GENERATOR STANDARDS

4. Does the generator mix hazardous waste with used oil? If so, Yes No N/A
- a. Is the mixture managed as specified in 3745-279-10(B)? [3745-279-21(A)] Yes No N/A

NOTE: Used Oil mixed with listed (3745-51-30 to 3745-51-35) or characteristic (3745-51-20 to 3745-51-24) hazardous waste are subject to regulation as a hazardous waste, unless the listed hazardous waste is listed solely because it exhibits a hazardous characteristic, and the resultant mixtures do not exhibit a characteristic. Mixtures of used oil and CESQG hazardous waste are subject to OAC Chapter 3745-279.

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

NOTE: If used oil contains greater than 1000 ppm total halogens, it is presumed to be listed hazardous waste until the presumption is successfully rebutted.

6. Does the generator store used oil in tanks; or containers; or a unit(s) subject to regulation as a hazardous waste management unit? [3745-279-22(A)] Yes No N/A
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
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

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
 - b. Contained the release? Yes No N/A
 - c. Cleaned up and properly managed the used oil and other materials? Yes No N/A
 - d. Repaired or replaced the containers or tanks prior to returning them to service, if necessary? Yes No N/A

ON-SITE BURNING IN SPACE HEATER

10. Does the generator burn used oil in used-oil fired space heaters? [3745-279-23] If so:
- 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
 - b. Is the heater designed to have a maximum capacity of not more than 0.5 million BTU per hour? Yes No N/A
 - c. Are the combustion gases from heater vented to the ambient air? Yes No N/A

GENERATOR TRANSPORTATION

11. If the generator self-transport used oil to an approved collection site or to an aggregation point owned by the generator: [3745-279-24]
- a. Does the generator transport used oil in a vehicle owned by the generator or an employee of the generator?[3745-279-24] Yes No N/A
 - b. Does the generator transport more than 55 gallons of used oil at any time?[3745-279-24] Yes No N/A

NOTE: Used oil generators may arrange for used oil to be transported by a transporter without a U.S. EPA ID # if the used oil is reclaimed under a contractual agreement (i.e., tolling arrangement).

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
- 13. Is the non-DIY used oil collection center registered with Ohio EPA? [3745-279-31] Yes No N/A
- 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

NOTE: Complete Used Oil Generator and any other applicable used oil handler checklist (e.g., marketer, burner, etc.) for used oil collection centers and aggregation points.

Keyword: UsedOilChecklistforGenerators.Oct.2007.doc

NOTE: USED OIL GIVEN TO EMPLOYER TO BURN IN SPACE HEATER. NO MARKETER # DOCUMENTS PROVIDED.

YOUNGSTER, JIM HARVEY CHARLOTTE
SMALL QUANTITY UNIVERSAL WASTE HANDLER REQUIREMENTS - BATTERIES AND LAMPS

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

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

PROHIBITIONS

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

WASTE MANAGEMENT & LABELING/MARKING

UNIVERSAL WASTE BATTERIES

3. Are battery(ies) that show evidence of leakage, spillage or damage that could cause leaks contained? [3745-273-13(A)(1)] Yes ___ No N/A RMK# ___
4. If batteries are contained, are the containers closed and structurally sound, compatible with the contents of the battery and lack evidence of leakage, spillage or damage that could cause leakage? [3745-273-13(A)(1)] Yes ___ No N/A RMK# ___
5. Does the SQUWH conduct any of the following activities:
- a. Sort batteries by type? Yes ___ No ___ N/A RMK# ___
- b. Mix battery types in one container? Yes ___ No ___ N/A RMK# ___
- c. Discharge batteries to remove the electric charge? Yes ___ No ___ N/A RMK# ___
- d. Regenerated used batteries? Yes ___ No ___ N/A RMK# ___
- e. Disassemble them into individual batteries or cells? Yes ___ No ___ N/A RMK# ___
- f. Remove batteries from consumer products? Yes ___ No ___ N/A RMK# ___
- g. Remove the electrolyte from the battery? Yes ___ No ___ N/A RMK# ___
- If so, are the casings of the batteries breached, not intact, or open (except to remove the electrolyte)? [3745-273-13(A)(2)] Yes No ___ N/A RMK# ___

6. If the electrolyte is removed or other waste generated, has it been determined whether it is a hazardous waste? [3745-273-13(A)(3)] Yes ___ No N/A RMK# ___
- a. If the electrolyte or other waste is characteristic, is it managed in compliance with 3745-50 through 3745-69? [3745-273-13(A)(3)(a)] Yes ___ No N/A RMK# ___
- b. If the electrolyte or other waste is not hazardous, is it managed in compliance with applicable law? [3745-273-13(A)(3)(b)] Yes ___ No N/A RMK# ___
7. Are the battery(ies) of container(s) of batteries labeled with the words "Universal Waste - Batteries" or "Waste Battery(ies)" or "Used Battery(ies)?" [3745-273-14(A)] Yes ___ No N/A RMK# ___

UNIVERSAL WASTE LAMPS

8. Does the SQGUHW contain lamps in containers or packages that are structurally sound, adequate to prevent breakage, and are compatible with contents of the lamps? Are containers or packages closed and do they lack evidence of leakage, spillage or damage that could cause leakage? [3745-273-13(D)(1)] Yes ___ No N/A ___ RMK# ___
CONTAINERS NOT CLOSED
9. Are lamps that show evidence of breakage, leakage or damage that could cause a release of mercury or hazardous constituents into the environment immediately cleaned up? Are they placed into a container that is closed, structurally sound, compatible with the contents of the lamps, and lack evidence of leakage spillage or damage that could cause leakage or releases of mercury or hazardous waste constituents to the environment? [3745-273-13(D)(2)] Yes No N/A ___ RMK# ___
10. Are the lamps or containers or packages of lamps labeled with the words "Universal Waste - Lamp(s)" or "Waste Lamp(s)" or "Used Lamp(s)?" [3745-273-14(E)] Yes ___ No N/A ___ RMK# ___

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

generator treatment (OAC 3745-52-34). Crushed lamps must be transported by a registered hazardous waste transporter to a permitted hazardous waste facility under a hazardous waste manifest.

ACCUMULATION TIME

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

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

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

RECORDS OF MOST RECENT SHIPMENTS

EMPLOYEE TRAINING

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

RESPONSE TO RELEASES

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

OFF-SITE SHIPMENTS

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

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

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

18. If the universal waste meets the definition of hazardous material under 49 CFR 171-180, are DOT requirements met with regard to package, labels, placards and shipping papers? [3745-273-18(C)] Yes No N/A RMK#
19. Prior to shipping universal waste off-site, does the receiver agree to receive the shipment? [3745-273-18(D)] Yes No N/A RMK#
20. If the universal waste shipped off-site is rejected by another handler or destination facility does the originating handler do one of the following:
- a. Receive the waste back? [3745-273-18(E)(1)] Yes No N/A RMK#
- b. Agree to where the shipment will be sent? [3745-273-18(E)(2)] Yes No N/A RMK#

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

EXPORTS

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

REMARKS

YOUNGSTOWN HARP CHROMIUM

LDR CHECKLIST

GENERAL LDR REQUIREMENTS

- 1. Has the generator adequately evaluated all wastes to determine if they are restricted from land disposal? [3745-270-07(A)(1)] If so: Yes No N/A RMK#
 - a. For determinations based solely on knowledge of the waste: Is supporting data retained on-site? [3745-270-07(A)(6)] Yes No N/A RMK#
 - b. For determinations based upon analytical testing: Is waste analysis data retained on-site? [3745-270-07(A)(6)] Yes No N/A RMK#
- 2. Has the generator determined each EPA hazardous waste code applicable to the waste? [3745-270-07(A)(2) see Table 1] Yes No N/A RMK#
- 3. Has the generator determined the correct "treatability group(s)" (e.g., wastewater, non-wastewater, etc.)? [3745-270-07(A), Table 1] Yes No N/A RMK#
- 4. Does the generator generate a characteristic hazardous waste? If so: Yes No N/A RMK#
 - a. Have all underlying hazardous constituents (UHCs) been identified? [3745-270-09(A)] Yes No N/A RMK#

NOTE: If the waste is D001 non-wastewater treated by CMBST, RORGS, POLYM in Table 1 of Rule 3745-270-42 UHCs do not need to be identified.

- 5. Does the generator generate listed waste(s) which also exhibit hazardous characteristics? [3745-270-09] If so: Yes No N/A RMK#
 - a. Has the generator also identified the appropriate treatment standard(s) for the constituent(s) which cause the waste to exhibit a characteristic? [3745-270-09(A)] Yes No N/A RMK#

NOTE: The generator is not required to identify the treatment standard for the characteristic if the listing covers the associated characteristic (e.g., a F019/D007 hazardous waste - F019 being listed due to chromium content and D007 being the characteristic waste code for chromium). [See OAC Rule 3745-270-09(B)]

- 6. Has the generator correctly determined if restricted wastes meet or do not meet treatment standards? [3745-270-07(A)(1)] Yes No N/A RMK#

NOTE: Wastes with EPA hazardous waste numbers K174 and K175 (chlorinated aliphatic wastes) have specific requirements in rule 3745-270-33. Waste with EPA hazardous waste numbers K176, K177 and K178 (inorganic chemical wastes) have specific requirements in rule 3745-270-36.

7. Does the owner/operator ensure that restricted wastes or treatment residues are not diluted as a method of achieving/circumventing LDR treatment standards? [3745-270-03]

Yes No N/A RMK#

NOTE: A generator may dilute a waste (that is hazardous only because it exhibits a characteristic) in a treatment system that discharges to waters of the State pursuant to an NPDES permit (§402 of CWA), that treats waste in a CWA equivalent treatment system, or that treats waste for the purposes of pre-treatment requirements under §307 of CWA, unless a method other than DEACT is specified or the waste is a D003 reactive cyanide wastewater or non-wastewater.[3745-270-03(B)]

8. Is combustion of any of the wastes identified in the Appendix to Rule 3745-270-03 occurring without meeting one or more of the criteria under Rule 3745-270-03(C) upon generation or after treatment? [3745-270-03(C)]

Yes No N/A RMK#

NOTE: In other words, is combustion a legitimate treatment method.

9. Has the generator added iron to lead-containing hazardous waste in order to achieve LDR treatment standards for lead? [3745-270-03(D)]

Yes No N/A RMK#

10. Does the facility have a case-by-case extension to the effective date to land dispose of hazardous waste?[3745-270-05] If so:

Yes No N/A RMK#

- a. The facility can dispose of hazardous waste in a on-site landfill or surface impoundment.[3745-270-05]

Yes No N/A RMK#

11. Does the facility have an extension to allow for a restricted waste to be land disposed?[3745-270-06] If so:

Yes No N/A RMK#

- a. The facility can land dispose of the waste. [3745-270-06]

Yes No N/A RMK#

12. Does the facility treat wastes that are otherwise prohibited from land disposal, in a surface impoundment?
If so:

Yes__ No N/A__ RMK#__

a. Has the facility complied with 3745-270-04?

Yes__ No N/A RMK#__

REMARKS

NOTIFICATION AND CERTIFICATION REQUIREMENTS

13. If a generator's waste or contaminated soil does not meet the treatment standards, does the generator have the paperwork required in Column A of Table 1 of 3745-270-07? [3745-270-07(A)(2)] Yes No N/A RMK#
14. If a generators' waste or contaminated soil meets the treatment standard at the original point of generation, does the generator have the paperwork required in Column B of Table 1 of 3745-270-07? [3745-270-07(A)(3)] Yes No N/A RMK#
15. If a generators' waste is exempt (under 3745-270-05, 3745-270-06, national capacity or case-by-case variance, etc.) does the generator have the paperwork required in Column C of Table 1 of 3745-270-07? [3745-270-07(A)(4)] Yes No N/A RMK#
16. If a generator manages a lab pack containing hazardous waste using the alternative treatment standard in 3745-270-42, does the generator have the paperwork required in Column D of Table 1 of 3745-270-07? [3745-270-07(A)(9)] Yes No N/A RMK#
17. Does the generator produce a waste that is hazardous waste from the point of generation, but subsequently excluded from regulation under OAC 3745-51-02 through 3745-51-06? [3745-270-07(A)(7)] If so: Yes No N/A RMK#
- a. Is a one-time notice placed in the facility's file stating such generation, subsequent exclusion or exemption, and disposition of the wastes? [3745-270-07(A)(7)] Yes No N/A RMK#
- NOTE: Examples include hazardous wastes discharged to a POTW or to a surface water under a NPDES permit.(See 270-07(A)(7))**
18. Does the generator retain on-site a copy of all notices, certifications, demonstrations and waste analysis data for at least three years from the last shipment of waste sent off-site? [3745-270-07(A)(8)] Yes No N/A RMK#

REMARKS

GENERATORS TREATING HAZARDOUS WASTE

NOT TREATED

- 1. Is treatment of hazardous waste occurring to meet the treatment standards in 3745-270-40? Yes ___ No ___ N/A RMK# ___
- 2. If so, does the generator have a waste analysis plan containing the following requirements? [3745-270-07(A)(5)] Yes ___ No N/A ___ RMK# ___
 - a. A detailed chemical and physical analysis of a representative sample of the wastes being treated? [3745-270-07(A)(5)(a)] Yes ___ No N/A ___ RMK# ___
 - b. All information necessary to treat the waste(s) in accordance with the requirements of 3745-270, including the selected frequency? [3745-270-07(A)(5)(a)] Yes ___ No N/A ___ RMK# ___
- 3. Is the WAP on-site in the facility's files and available to inspectors? [3745-270-07(A)(5)(b)] Yes ___ No N/A ___ RMK# ___
- 4. Has the generator followed their WAP [3745-270-07(A)(5)]? Yes ___ No N/A ___ RMK# ___
- 5. Have the treated wastes met the applicable treatment standards in 3745-270-40? Yes ___ No N/A ___ RMK# ___

NOTE: If the waste is a characteristic waste, which has been treated to render it non hazardous and subsequently sent to a solid waste landfill, proceed to question 7 & 8.

- 6. Has the generator sent a notification and certification with the initial shipment of waste?[3745-270-07(A)(5)(c)] Yes ___ No N/A ___ RMK# ___
- 7. Does each notification/certification form completed, contain the information found in Table 1 of 3745-270-07? [3745-270-07(A)(5)(c)] Yes ___ No N/A ___ RMK# ___
- 8. Has the generator, who is treating a characteristic waste, submitted a notification and certification to the director which contains the following:
 - a. Name and address of the facility receiving the waste? [3745-270-09(D)(1)(a)] Yes ___ No N/A ___ RMK# ___
 - b. A description of the waste, including EPA hazardous waste codes and treatability group, and UHCs? [3745-270-09(D)(1)(b)] Yes ___ No N/A ___ RMK# ___

NOTE: If the waste will be treated and monitored for all UHCs then they do not need to be listed on the notice.

9. Has the process/operation generating the waste or the solid waste landfill facility changed? If so:

Yes ___ No ___ N/A RMK# ___

a. Has the notification and certification been updated in the generators and treaters files? [3745-270-09(D)]

Yes ___ No N/A ___ RMK# ___

b. Has the director been notified of such changes? [3745-270-09(D)]

Yes ___ No N/A ___ RMK# ___

NOTE: The director need only be notified on an annual basis but no later than December 31.

10. Is the facility treating contaminated soil using the alternative treatment standards in 3745-270-49? If so:

Yes ___ No ___ N/A ___ RMK# ___

a. Has the facility treated the contaminated soil to less than 10 times the Universal Treatment Standards or has a 90% reduction in the total constituent concentrations occurred? [3745-270-49 (C)]

Yes ___ No N/A ___ RMK# ___

11. Does each notification/certification form completed, contain the information found in Table1? [3745-270-07(A)(3)]

Yes ___ No N/A RMK# ___

NOTE: If the waste will be treated and monitored for all constituents, there is no need to put them all on the LDR notice.

REMARKS

HAZARDOUS DEBRIS —

1. Does the material in question meet the definition of hazardous debris as defined in rule 3745-270-02(A)(3)?

Yes ___ No N/A RMK# ___

2. Is the hazardous debris being treated to the waste specific treatment standard in 3745-270-40 to 3745-270-49? (If yes, use the generator checklist.)

Yes ___ No ___ N/A ___ RMK# ___

3. Is the hazardous debris being treated by the alternative treatment standards in 3745-270-45? If so:

Yes ___ No ___ N/A ___ RMK# ___

a. Has the debris or mixtures of debris been treated for each contaminant subject to treatment (toxicity, listed waste and cyanide reactive debris) using one or more of the treatment technologies found in Table 1 in 3745-270-45? [3745-270-45(A)]

Yes ___ No N/A ___ RMK# ___

NOTE: If immobilization has been used in a treatment train, it must be the last treatment technology used.

4. Was the hazardous debris a listed waste treated by an immobilization technology in Table 1? [3745-270-45(A)(1)] If so:

Yes ___ No ___ N/A ___ RMK# ___

a. Was immobilization the last treatment technology used? [3745-270-45(A)(3)]

Yes ___ No N/A ___ RMK# ___

5. Is the waste a PCB waste under 40 CFR Part 761? If so:

Yes ___ No ___ N/A ___ RMK# ___

a. Has the waste been treated to the most stringent standard in 40 CFR 761 or 3745-270-45? [3745-270-45(A)(5)]

Yes ___ No N/A ___ RMK# ___

6. Has the residue from the treatment of hazardous debris been disposed of in accordance with 3745-270-40 to 3745-270-49? [3745-270-45(D)]

Yes ___ No N/A ___ RMK# ___

7. Does the owner/operator of a treatment facility that claims the debris is excluded from regulation as a hazardous waste under 3745-51-03(F)(1) maintain the following information?

Yes ___ No ___ N/A ___ RMK# ___

a. Records of all inspections, evaluations, and analyses of treated debris? [3745-270-07(D)(3)(a)]

Yes ___ No N/A ___ RMK# ___

b. Records of key operating parameters of the treatment unit? [3745-270-07(D)(3)(b)]

Yes ___ No N/A ___ RMK# ___

c. A certification statement for each shipment of treated debris? (See 270-07(D)(3)(c) for exact wording) [3745-270-07(D)(3)(c)]

Yes ___ No N/A ___ RMK# ___

8. Does the notifications and certifications of an owner/operator who first claims the debris is excluded under 3745-51-03(F)(1) have the following information? [3745-270-07(D)(3)]

Yes ___ No ___ N/A RMK# ___

a. Name and address of licensed solid waste landfill receiving the treated debris? [3745-270-07(D)(1)(a)]

Yes ___ No N/A ___ RMK# ___

b. Description of hazardous debris as initially generated with applicable waste codes? [3745-270-07(D)(1)(b)]

Yes ___ No N/A ___ RMK# ___

c. Technology used from Table 1? [3745-270-07(D)(1)(c)]

Yes ___ No N/A ___ RMK# ___

9. Has the above notification been sent to the director? [3745-270-07(D)(1)]

Yes ___ No ___ N/A RMK# ___

REMARKS

TREATING FACILITIES WHICH TREAT WASTE TO MEET LDR STANDARDS

1. Does the treating facility test waste according to their waste analysis plan as required in 3745-54-13 or 3745-65-13?[3745-270-07(B)] Yes__NoN/ARMK#__

2. Has a one-time notification been sent with the initial shipment of waste or contaminated soil to the land disposal facility? [3745-270-07(B)(3)] Yes__NoN/ARMK#__

Note: No further notification is necessary until such time that the waste changes or the receiving facility changes.

3. Does the one-time notification and certification contain the information listed in Table 2 of 3745-270-07?[3745-270-07(B)(3)] Yes__NoN/A__RMK#__

4. Are wastes or treatment residues being sent to another TSD to be further managed? **If so:**

a. Has the facility complied with the generator notification/certification requirements? [Table 1, 3745-270-07(B)(5)]

5. Are recyclable materials used in a manner constituting disposal and subsequently subject to 3745-266-20? **If so:**

a. Has the treatment facility (recycler) sent a notification (found at 3745-270-07(B)(4)), excluding the manifest number, with each shipment of waste? [3745-270-07(B)(6)]

Yes__NoN/A__RMK#__

b. Has the treatment facility (recycler) sent a certification found in 3745-270-07(B)(4)[3745-270-07(B)(6)]

Yes__NoN/A__RMK#__

c. Has a copy of the notification and certification been sent to the director? [3745-270-07(B)(6)]

Yes__NoN/A__RMK#__

6. Does the recycling facility maintain records of the name and location of each entity receiving the hazardous waste-derived products? [3745-270-07(B)(6)]

Yes__NoN/A__RMK#__

7. Does the owner or operator of any land disposal facility disposing of waste subject to regulation under 3745-270 have:

a. Copies of all notices and certifications required in 3745-270?

Yes__NoN/A__RMK#__

b. Test results indicating all waste, extracts of waste or treatment residue are in compliance with 3745-270-40 to 3745-270-49?

Yes__NoN/ARMK#__

c. The testing frequency specified in the facility's WAP and have they followed the protocol?

Yes ___ No N/A RMK# ___

REMARKS