



State of Ohio Environmental Protection Agency

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DR
File

Southwest District

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Dayton, Ohio 45402-2911

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Ted Strickland, Governor
Lee Fisher, Lt. Governor
Chris Korleski, Director

March 8, 2007

Mr. Rick Powers
Assistant Vice President of EHS and Facilities Operations
Transportation Research Center
10820 State Route 347
East Liberty, Ohio 43319-0367

**Re: Transportation Research Center, 10820 State Route 347, East Liberty,
Logan County, OHD 981794142, Notice of Violation**

Dear Mr. Powers:

Thank you for accompanying me during the February 22, 2007, inspection of Transportation Research Center facility at 10820 State Route 347, East Liberty, Ohio. You and Ms. Rose Ann Miller represented Transportation Research Center and I represented Ohio EPA. I inspected your facility 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). During the inspection we also discussed ways to prevent pollution by reducing waste. This letter will explain the violations found, what you need to do to correct the violations, other general concerns, what you need to do to respond to the general concerns and any pollution prevention opportunities identified. I have enclosed copies of the checklists from this inspection.

Background

Transportation Research Center (TRC) is a facility which mainly tests different aspects of vehicle performance. Wastes generated are related to crash tests, oil and fuel wastes, solvents and universal wastes. Transportation Research Center leases portions of the facilities to Honda of America, Honda Research and Development and the National Highway Traffic and Safety Administration. Transportation Research Center handles the reusable and recyclable wastes and used oil from all the buildings, while some of the hazardous wastes generated by the leased buildings are handled by the respective lessees under their own identification numbers. Hazardous waste not handled by Transportation Research Center is shipped off-site to a hazardous waste treatment, storage or disposal facility (TSD) or carried along non-public access roads between the contiguous property prior to being shipped off-site to a TSD.

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Violations

I found the following violations of Ohio's hazardous waste laws. In order to correct these violations you must do the following and send me any required information **by the dates indicated**:

**1. Annual report
OAC 3745-52-41**

Large quantity generators are required to submit an annual report by March 1 of the following year on the amounts and types of waste generated during the year.

TRC operated as a large quantity generator of hazardous waste for the year 2005. TRC failed to submit an annual report for that year, in violation of OAC 3748-52-41.

→ TRC must submit to our central office in Columbus an annual report for the hazardous wastes generated for the year 2005. Submit this report by April 10, 2007.

**2. Satellite areas
OAC 3745-52-34(C)(1)(a)**

A generator may accumulate hazardous waste at the point of generation provided the containers are closed when not adding or removing waste.

The satellite drum in Building 70 was not securely closed, in violation of OAC 3745-52-34(C)(1)(a).

→ TRC must ensure satellite drums are securely closed when not adding or removing waste. The bung was closed on the satellite drum during the inspection, thus, TRC has returned to compliance with OAC 3745-52-34(C)(1)(a).

**3. Weekly Inspections
OAC 3745-66-74**

The operator must inspect areas where containers are stored at least weekly.

Weekly inspections were not completed for the following weeks:

In 2004, the weeks of March 26th, April 5th, May 31st, June 14th, and the week between June 22nd and July 2nd. In 2005, the weeks of February 14th, February 21st,

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March 14th, May 23rd, June 6th, June 20th, July 25th, August 1st, August 8th, August 22nd, October 17th. In 2006, the weeks of January 9th, April 24th, May 8th.

- TRC must conduct inspections weekly, where a "week" is defined as seven consecutive days. TRC has conducted weekly inspection since the week of May 15th, 2006, thus, has returned to compliance with OAC 3745-66-74.

**4. Universal Waste Lamps
OAC 3745-273-13(D)(1)**

Lamps must be contained in containers or packages that are structurally sound, adequate to prevent breakage and closed.

The boxes that contained the waste lamps were not closed at the time of the inspection, in violation of OAC 3745-273-13(D)(1).

- TRC must close the containers or packages containing the waste lamps. During a telephone conversation with you following the inspection, you stated the boxes had been taped closed. That being the case, TRC has returned to compliance with OAC 3745-273-13(D)(1).

**5. Universal Waste Lamps
OAC 3745-273-14(E)**

Each lamp or a container or package in which lamps are contained must be labeled or marked clearly with one of the following phrases: "Universal Waste - Lamp(s)", "Waste Lamp(s)" or "Used Lamp(s)".

The waste lamps at TRC were not labeled with any of the above phrases, in violation of OAC 3745-273-14(E).

- TRC must ensure the waste lamps and/or containers containing waste lamps are labeled with one of the following phrases: "Universal Waste - Lamp(s)", "Waste Lamp(s)", or "Used Lamp(s)". During the inspection, TRC did label the containers containing the waste lamps. Thus, TRC has returned to compliance with OAC 3745-273-14(E).

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**6. Used Oil Label
OAC 3745-279-22(C)(1)**

Containers and aboveground tanks used to store used oil at generator facilities must be labeled or marked clearly with the words "Used Oil".

The used oil drums at Building A were not labeled with the words "Used Oil", in violation of OAC 3745-279-22(C)(1).

- TRC must ensure that all containers which store used oil are labeled with the words "Used Oil". A "used oil" label was applied during the inspection, thus, TRC has returned to compliance with OAC 3745-279-22(C)(1).

General Concerns

- A. During the inspection, Ohio EPA noted that TRC's wastes, reuse materials, and recyclable materials were accumulated in the accumulation area near Building C. TRC routinely accumulates ignitable wastes in that area. Ohio EPA suggests that TRC consistently take note of the types of materials being stored in close proximity to each other, and take precautions to prevent adverse reactions of the materials.
- B. TRC is currently operating as a small quantity generator. In the past, TRC has generated amounts of acute hazardous waste which would cause them to be considered a large quantity generator. Should TRC generate greater than 1 kilogram of acute hazardous waste in a month, or accumulate greater than 1 kilogram of acute hazardous waste on-site at one time, all quantities of the acute waste are subject to certain large quantity generator requirements. I have enclosed a copy of the regulation that pertains to acute hazardous waste generation for your review.
- C. TRC is currently operating as a small quantity generator. It is possible that TRC could have an episode in the future in which you generate a large quantity of hazardous waste which is not typical of your normal waste generation. If so, you could be considered an episodic generator. I have enclosed our guidance on "Hazardous Waste Generator Categories and Episodic Generation" for your review, which explains our policy on episodic waste generation. As a reminder, if during any month of the year TRC operates as a large quantity generator, TRC must submit an annual report of the waste generation for that year to Ohio EPA.

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Pollution Prevention

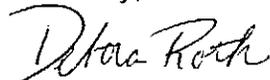
TRC has taken large steps toward pollution prevention in the form of finding alternative uses for a significant amount of their waste. Please continue to strive to find alternative uses for your wastes, but also, please be cautious and diligent in following up with where the material is ultimately being used. Please be certain that the materials are being used appropriately and within the allowance of the hazardous waste rules and regulations. Materials which you have deemed not a waste and reusable must be able to be reused by the second user/customer without further refinement prior to their use. For assistance in determining whether the reuse of certain materials in specific applications are allowable, please contact our central office Hazardous Waste Compliance Assistance Group in our Regulatory and Information Services Section at 614-644-2977.

Summary

Notify me when the annual report requested in Violation 1 has been submitted.

Should you have any questions, please feel free to call me at (937) 285-6080. You can find copies of the rules and other information on the division's web page at <http://www.epa.state.oh.us/dhwm>.

Sincerely,



Debora Roth
Environmental Specialist
Division of Hazardous Waste Management

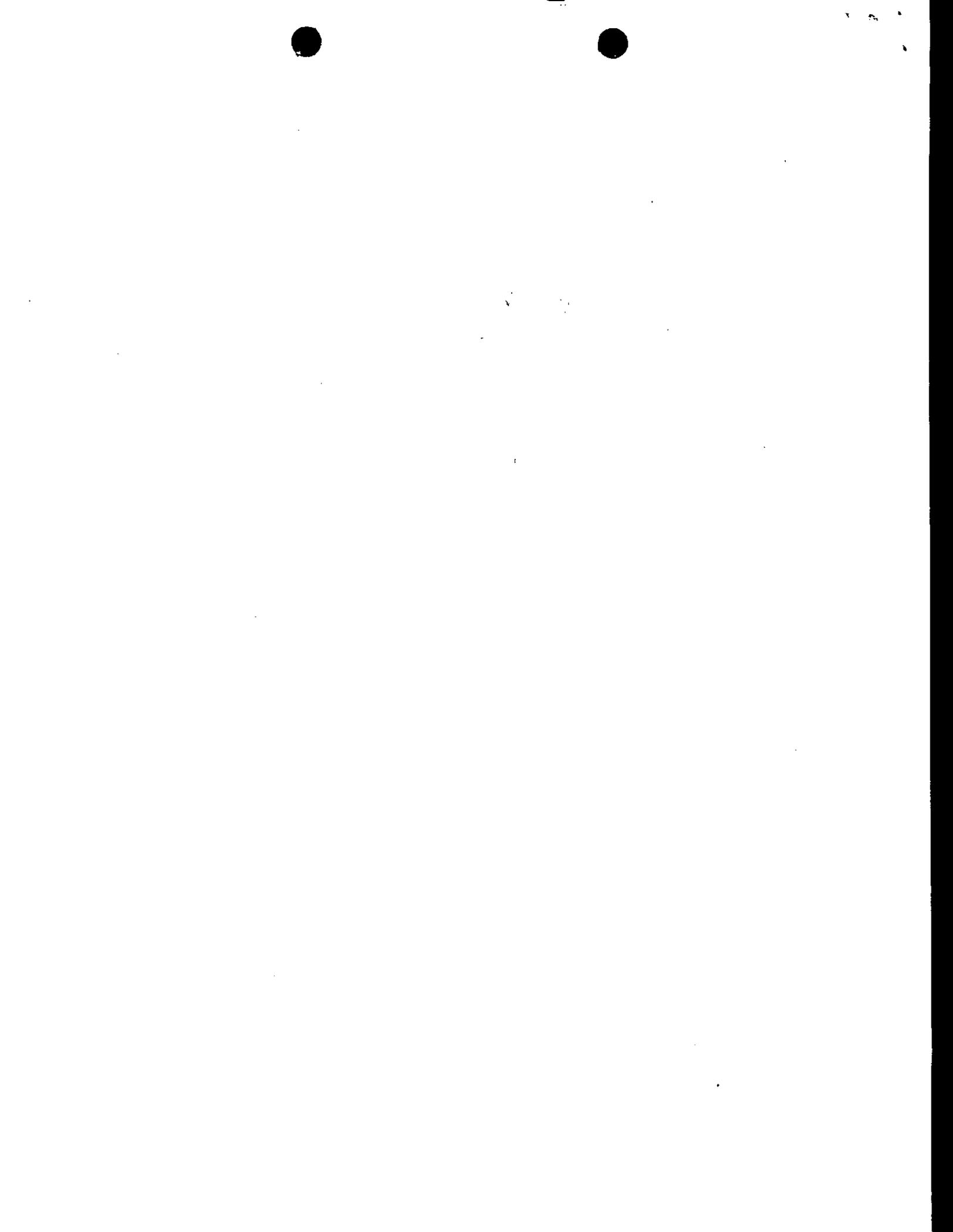
Enclosures - inspection checklists, Hazardous Waste Generator Categories and Episodic Generation Guidance, Rule 3745-51-05, Universal Waste Rules For Handlers of Lamps Guidance.

cc: Dinah Crawford SWDO/File with Enclosures
Rose Ann Miller, Supervisor of Safety, same address as addressee

DR/plh

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.



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

Ohio Environmental Protection Agency
RCRA SUBPART E C SITE IDENTIFICATION/VERIFICATION FORM

For Ohio EPA use only

2. Site EPA ID No.	EPA ID Number: OHD981794142		
3. Site Name	Name: Transportation Research Center		Website (optional):
4. Site Location Information	Street Address: 10820 St. Rt. 347		
	City, Town, or Village: East Liberty	State: OH	
	County Name: Logan	Zip Code: 43319-0367	
5. Site Land Type (check only one)	Private	County	District
	<input checked="" type="checkbox"/>		
6. NAICS code(s) www.census.gov/epcd/www/naics.html	A. 54138	B.	
	C.	D.	
	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: Rick	MI: E.	Last Name: Powers
	Phone Number: 937-666-2011	Phone Number Extension: 443	
	E-Mail Address: powerst@trcpg.com		
	Fax Number: 937-666-5066	Fax Number Extension: NA	
	Street or P.O. Box: Same as site name		
	City, Town or Village:		
	State:	Country:	Zip Code:
8. Legal Owner and Operator of the Site List Additional Owners and/or Operators in the Comment Section or on another copy of this form page.	A. Name of Site's Legal Owner: Honda Motor Co. LTD <i>c/o American Honda Motor Co.</i>		Date Became Owner (mm/dd/yyyy): 01/26/88
	Owner Type: Mark with an X	Private	County
		<input checked="" type="checkbox"/>	
	Street or P.O. Box: 1919 Torrance Blvd.		
	City, Town, or Village: Torrance	Owner Phone #: 310-783-2000	
	State: CA	Country: USA	Zip Code: 90501
	B. Name of Site's Operator: Transportation Research Center Inc.		Date Became Operator (mm/dd/yyyy): 01/26/88
	Operator Type: Mark with an X	Private	County
		<input checked="" type="checkbox"/>	
	Street or P.O. Box: 10820 St. Rt. 347		
City, Town, or Village: East Liberty	Operator Phone #: 937-666-2011		
State: Ohio	Country: USA	Zip Code: 43319	
9. Violations Cited?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
10. Type of Regulated Waste Activity (Mark "X" in all of the appropriate boxes.)			
<input type="checkbox"/> Not Regulated			

**SMALL 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

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

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

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

Safety Equipment Used:

GENERAL REQUIREMENTS

1. Have all wastes generated at the facility been adequately evaluated? [3745-52-11] Yes No N/A
2. Has the generator obtained a U.S. EPA I.D. number? [3745-52-12] Yes No N/A
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 No *1 N/A
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 No N/A
5. Does the generator accumulate hazardous waste? Yes No N/A

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 in excess of (180/270) days without a permit or an extension from the Director? [3745-52-34; ORC §3734-02(E)&(F)] Yes No N/A

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 No N/A

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 No N/A
 - b. Tank that meets 3745-66-90 to 3745-66-101 except 3745-66-97 (C) and Yes No N/A
 - c. Drip pads that meet 3745-69-40 to 3745-69-45? Yes No N/A
 - d. Containment building that meets 3745-256-100 to 3745-256-102? Yes No N/A

NOTE: Complete appropriate checklist for each unit.

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

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)(a)] 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? [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] Yes No N/A

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

- 25. 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

- 26. 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

27. Is adequate aisle space provided for unobstructed movement of emergency or spill control equipment? [3745-65-35] Yes No N/A
28. Has the generator attempted to familiarize emergency authorities with possible hazards and facility layout? [3745-65-37(A)] Yes No N/A
29. 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

30. 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 one quart of acutely hazardous waste at any one time? [3745-52-34(C)(1)] Yes No N/A
 - d. Containers are closed, in good condition and compatible with wastes stored in them? [3745-52-34(C)(1)(a)]. Yes No N/A
 - e. Containers are marked with the words "Hazardous Waste" or other words identifying the contents? [3745-52-34(C)(1)(b)] Yes No N/A
31. 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
 - c. Do not exceed a total of 55 gallons of hazardous waste per waste stream? [3745-52-34(C)(1)] Yes No N/A

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

USE AND MANAGEMENT OF CONTAINERS

32. Has the generator marked containers with the words "Hazardous Waste" [3745-52-34(D)(4)] Yes No N/A
33. Is the accumulation date on each container? [3745-52-34(D)(4)] Yes No N/A
34. Are hazardous wastes stored in containers which are: Yes No N/A

- 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.

35. Is the container accumulation area(s) inspected at least weekly? [3745-66-74] Per ORC§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
36. 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
37. 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
38. 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

39. 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 *5
40. Does each container ≤ 100 gallons have a completed hazardous waste label? [3745-52-32(B)] Yes No N/A
41. 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

*1 - Honda R&D leases a building from TRC, and they do send solvent waste, used spill carpets, and aerosol cans to the Honda R&D building on the adjacent property to be combined and managed with the waste from their main building, under the Honda R&D ID number. Oil, coolant waste is handled by TRC.

*2 - Stoddard solvent waste is reused through CPRIN, Inc. at ESSROC Cement Corp. in Logansport, Indiana, thus is no longer part of the generated hazardous waste stream.

*3 - Satellite drum at building 70 did not have a secure lid. Bung was closed during the inspection.

*4 - The weekly inspections were missing for the following weeks: in 2004 - March 26th, April 5th, May 17th, May 31st, June 14th, week between June 22nd-July 2nd. In 2005 - February 14th, February 21st, March 14th, May 23rd, June 6th, June 20th, July 25th, August 1st, August 8th, August 22nd, October 17th. In 2006 - January 9th, April 24th, May 8th. Weekly inspections have been completed since May 2006 till the inspection date.

*5 - TRC places DOT codes at the time of shipment. No drums were ready for shipment on the inspection day, thus, DOT labeling was not able to be verified. Mr. Powers stated that proper waste codes are assigned and labels were applied prior to shipping off-site.

Additional note: TRC operated as a large quantity hazardous waste generator in 2005 due to the generation of 5 pounds of acrolein, an acute hazardous waste. There should have been an annual report submitted for that year. Since no report was submitted, TRC is in violation of OAC 3745-52-41.

TRC handles oil and coolant collection at the buildings on their campus. However, lessees handle their own hazardous waste under their own ID numbers (Honda Research/Development ID# OHD987032547, Honda of America ID #OHD986968204 , and Department of Transportation National Highway Safety). Since the waste generated can be carried on non-public roads between the companies, Ohio EPA has interpreted that the buildings are on contiguous properties, thus this practice is allowed.

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# 1

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# 1

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# 2

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# 2

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? [3745-273-15(A)] If not: Yes No N/A RMK#
- 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#

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 x RMK#___
- b. Agree to where the shipment will be sent? [3745-273-18(E)(2)] Yes___ No___ N/A x 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:
- a. Sending the waste back to the originating handler? [3745-273-18(F)(1)] Yes___ No___ N/A x 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 x 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 x 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 x RMK#___

EXPORTS

24. Is waste being sent to a foreign destination? If so: Yes___ No___ N/A x 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 x 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 x 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 x RMK#___

REMARKS

1. In some situations, such as prior to automobile crash tests, the battery is drained from the battery, and the acid is recycled. The battery is drained before the automobile (including battery) become a waste (prior to crashing the car), thus, the casing of the battery is still allowed to be handled as a universal waste, per Ohio EPA interpretation. (D. Roth, D. Sowry, H. Sarvis discussion on 3/6/07)
2. The lamps were stored in shipping boxes, but the boxes were not individually labeled, nor were they securely closed. The boxes were labeled during the inspection. Furthermore, after discussing the closing of the boxes during a telephone call following the inspection, Mr. Powers stated they would be closed.

LDR REQUIREMENTS

1. Has the generator adequately evaluated all wastes to determine if they are restricted from land disposal? [3745-270-07(A)(1)] (possibly also cite 3745-52-11) **If so:** Yes No N/A ___ RMK# ___
- a. **For determinations based solely on knowledge of the waste:** Is supporting data retained on-site? [3745-270-07(A)(6)] Yes No N/A ___ RMK# ___
- b. **For determinations based upon analytical testing:** Is waste analysis data retained on-site? [3745-270-07(A)(6)] Yes No N/A ___ RMK# ___
2. Has the generator determined each EPA hazardous waste code applicable to the waste? [3745-270-07(A)(2) see Table 1] (possibly also cite 3745-52-11) Yes No N/A ___ RMK# ___
3. Has the generator determined the correct "treatability group(s)" (e.g., wastewater, non-wastewater, etc.)? [3745-270-07(A), Table 1] Yes No N/A ___ RMK# ___
4. Does the generator generate a characteristic hazardous waste? **If so:** Yes No ___ N/A ___ RMK# ___
- a. Have all underlying hazardous constituents (UHCs) been identified? [3745-270-09(A)] Yes No N/A ___ RMK# ___

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

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

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

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

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

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

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

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

12. Does the facility treat wastes that are otherwise prohibited from land disposal, in a surface impoundment? Yes ___ No X N/A ___ RMK# ___

If so:

a. Has the facility complied with 3745-270-04? Yes ___ No N/A X RMK# ___

REMARKS

NOTIFICATION AND CERTIFICATION REQUIREMENTS

13. If a generator's waste or contaminated soil does not meet the treatment standards, does the generator have the paperwork required in Column A of Table 1? [3745-270-07(A)(2)] Yes No N/A RMK#
14. If a generators' waste or contaminated soil meets the treatment standard at the original point of generation, does the generator have the paperwork required in Column B of Table 1? [3745-270-07(A)(3)] Yes No N/A RMK#
15. If a generators' waste is exempt (under 3745-270-05, 3745-270-06, national capacity or case-by-case variance, etc.) does the generator have the paperwork required in Column C of Table 1? [3745-270-07(A)(4)] Yes No N/A RMK#
16. If a generator manages a lab pack containing hazardous waste using the alternative treatment standard in 3745-270-42, does the generator have the paperwork required in Column D of Table 1? [3745-270-07(A)(9)] Yes No N/A RMK#
17. Does the generator produce a waste that is hazardous waste from the point of generation, but subsequently excluded from regulation under OAC 3745-51-02 through 3745-51-06? [3745-270-07(A)(7)] If so: Yes No N/A RMK#
- a. Is a one-time notice placed in the facility's file stating such generation, subsequent exclusion or exemption, and disposition of the wastes? [3745-270-07(A)(7)] Yes No N/A RMK#

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

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

REMARKS

USED OIL INSPECTION CHECKLIST 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# 1
9. Has the generator, upon detection of a release of used oil, done the following: [3745-279-22(D)]
- a. Stopped the release? Yes No N/A RMK#
- b. Contained the release? Yes No N/A RMK#
- c. Cleaned up and properly managed the used oil and other materials? Yes No N/A RMK#
- d. Repaired or replaced the containers or tanks prior to returning them to service, if necessary? Yes No N/A RMK#

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

REMARKS

1. Used oil containers at building A were not labeled as "used oil". The labels were applied during the inspection.

PROCESS DESCRIPTION SECTION

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

Parts cleaner → either recycled or added to oil

Vehicle maintenance → carpets which are shipped to be cleaned + reused (no waste)

Fuel spill residue → recycle/reuse

Oil spill residue → recycle/reuse

Waste fuel → recycle/reuse or haz waste

batteries → universal waste

Some battery acid → reused

Lab packs

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.

Used Batteries D062 D008

Curing compound D002

" " D001

Gas /water D001 D018

Gas spill D001 D018

Used oil D001 D018 D039
F001 F002