



State of Ohio Environmental Protection Agency

Southeast District Office

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

October 22, 2007

**WASHINGTON COUNTY
KEMRON ENVIRONMENTAL
SERVICES
DHWM/SEDO
OHD986976728**

Mr. David Bumgarner
Kemron Environmental Services
156 Starlight Drive
Marietta, Ohio 45750

Dear Mr. Bumgarner:

On October 11, 2007, Ohio EPA conducted a compliance evaluation inspection at your facility located at 156 Starlight Drive in Marietta to determine compliance with Ohio's hazardous waste laws and regulations as found in the Ohio Revised Code (ORC) and the Ohio Administrative Code (OAC). During the inspection, we also helped Kemron Environmental Services identify ways to prevent pollution by reducing waste. This letter will explain the violations we found, what you need to do to correct the violations, other general concerns we have and what you need to do to respond to our general concerns.

We found the following violations of Ohio's hazardous waste laws. In order to correct these violations, you must do the following and send me the required information **within 30 days** of your receipt of this letter:

- (1) **OAC Rule 3745-52-34(D)(5)(a) – Accumulation Time of Hazardous Waste:** At all times, there must be at least one employee either on the premises or on call (i.e., available to respond to an emergency by reaching the facility within a short period of time) with the responsibility for coordinating all emergency response measures specified in paragraph (D)(5)(d) of this rule. This employee is the emergency coordinator.

Kemron has an emergency response Standard Operating Procedure (SOP), however, no emergency coordinator is named in the SOP. Kemron must identify an emergency coordinator for the facility, and send documentation that this has been accomplished, to Ohio EPA for review.

- (2) **OAC Rule 3745-273-14(A) – Labeling/Marking – Standards for Small Quantity Handlers of Universal Waste:** Universal waste batteries (i.e., each battery), or a container in which the batteries are contained, must be labeled or marked clearly with any of the following phrases: "Universal Waste-Battery(ies)," or "Waste Battery(ies)," or "Used Battery(ies)."

Kemron's boxes of spent batteries were not labeled properly, in violation of this rule. Kemron must make sure all boxes of universal waste batteries are properly labeled and must submit photographs to Ohio EPA documenting this rule is being met.

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

The boxes of spent fluorescent lamps were not closed properly, in violation of this rule. Kemron must make sure all containers of fluorescent bulbs are properly closed and must submit photographs to Ohio EPA documenting this rule is being met.

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

The boxes of fluorescent bulbs were not labeled properly, in violation of this rule. Kemron must make sure all containers of spent fluorescent bulbs are properly labeled and must submit photographs to Ohio EPA documenting this rule is being met.

- (5) **OAC Rule 3745-273-15(C), Accumulation Time Limits - Standards for Small Quantity Handlers of Universal Waste:** A small quantity handler of universal waste who accumulates universal waste shall be able to demonstrate the length of time that the universal waste has been accumulated from the date it becomes a waste or is received.

Kemron does not have a system in place to document how long universal waste lamps have been stored on-site, in violation of this rule. Kemron must develop one of the methodologies as outlined in this rule to document the length of time universal waste has been stored on-site and submit documentation to Ohio EPA indicating this rule is being met.

GENERAL COMMENTS

- (a) In the wet chemistry lab, Kemron has two satellite containers for non-halogenated solvents. Ohio EPA recommends that the two containers be combined to reduce the number of satellite accumulation containers.
- (b) Enclosed is a fact sheet concerning the universal waste requirements for spent fluorescent lamps and batteries.
- (c) Kemron is a small quantity generator (SQG), but is close to large quantity generator (LQG) status. As we discussed, Kemron may want to comply with the more stringent LQG rules, in case there are months when the lab generates greater than 2,200 pounds of hazardous waste, and becomes a LQG for that given month. If this occurs, Kemron would be considered an episodic large quantity generator, and would have to comply with the LQG rules for that month. Attached is a fact sheet concerning episodic generation of hazardous waste.

- (d) As we discussed during the inspection, Ohio EPA recommends that Kemron update their Standard Operating Procedures (SOP's), to replace outdated or missing information.
- (e) A review of manifests revealed that several of them did not have the associated LDR forms. As we discussed, you are going to check with the treatment, storage, disposal (TSD) facilities on the status of the forms. Please let me know your findings.
- (f) While reviewing Kemron's inspection logs, Ohio EPA noted that inspections are being conducted weekly, however, the inspections are more than seven days apart, in some cases. Ohio EPA defines weekly as once every seven days, and recommends that Kemron conduct inspections in accordance with this definition.
- (g) During the inspection, Ohio EPA observed four lead acid batteries stored inside Kemron's hazardous waste storage building. Ohio EPA recommends that Kemron store the batteries with the other universal waste batteries.

As discussed during the inspection, you may be able to reduce the waste your company generates. If you find ways to recycle, reduce, or altogether eliminate the amount of waste that your company generates, you may be able to reduce treatment and disposal costs, and you may possibly reduce your regulatory requirements. The Ohio EPA strongly encourages pollution prevention as the preferred approach for waste management. The first priority of pollution prevention is to eliminate the generation of wastes and pollutants at the source (source reduction). For wastes or pollutants that are generated, the second priority is to recycle or reuse them in an environmentally sound manner. You may benefit economically, help preserve the environment, and improve your public image by implementing pollution prevention programs. You can find more information about pollution prevention, including fact sheets, at the following web address: http://www.epa.state.oh.us/ocapp_recycle.html. If you would like to be considered for an in-depth on-site pollution prevention assessment, or if you would like more information about pollution prevention assessments, please contact me.

Enclosed, you will find a copy of the checklists that were completed during the inspection. Should you have any questions, please feel free to contact me at (740) 380-5288. 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,



Scott N. Bergreen
Environmental Specialist
Division of Hazardous Waste Management

SNB/mlm

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.

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: OHD986976728								
3. Site Name	Name: Kemron Environmental Services				Website: www.Kemron.com (Optional)				
4. Site Location Information	Street Address: 156 Starlight Drive								
	City, Town, or Village: Marietta				State: OH				
	County Name: Washington				Zip Code: 45750				
5. Site Land Type (check only one)	Private <input checked="" type="checkbox"/>	County <input type="checkbox"/>	District <input type="checkbox"/>	Federal <input type="checkbox"/>	Indian <input type="checkbox"/>	Municipal <input type="checkbox"/>	State <input type="checkbox"/>	Other <input type="checkbox"/>	
6. NAICS code(s) www.census.gov/epcd/www/naics.html	569210								
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: Dave		MI: L.		Last Name: Bumgarner				
	Phone Number: (740) 373-4071				Phone Number Extension:				
	E-Mail Address: dbumgarner@kemron-lab.com								
	Fax Number: (740) 373-4835				Fax Number Extension:				
	Street or P.O. Box: 156 Starlight Drive								
	City, Town or Village: Marietta				State: OH		Country: USA	Zip Code: 45750	
	Name of Site's Legal Owner:								
Date Became Owner (mm/dd/yyyy):									
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	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:				Owner Phone #:				
	State:				Country:		Zip Code:		
	Name of Site's Operator: Kemron Environmental Services				Date Became Operator (mm/dd/yyyy):				
	Owner Type:	Private <input checked="" type="checkbox"/>	County <input type="checkbox"/>	District <input type="checkbox"/>	Federal <input type="checkbox"/>	Indian <input type="checkbox"/>	Municipal <input type="checkbox"/>	State <input type="checkbox"/>	Other <input type="checkbox"/>
	Street or P.O. Box: 156 Starlight Drive								
	City, Town or Village: Marietta				Operator Phone #: (740) 373-4071				
	State: OH				Country: USA		Zip Code: 45750		
	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 type="checkbox"/> Large Quantity Generator (LQG)				<input type="checkbox"/> Mixed Waste (Hazardous and Radioactive) Generator					
<input checked="" 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

	Managed	10C. Used Oil Activities (Indicate Type(s) of Activity(ies))	
Batteries	<input checked="" type="checkbox"/>	<input type="checkbox"/> Used Oil Generator	<input type="checkbox"/> Off-Specification Used Oil Burner
Pesticides	<input type="checkbox"/>	<input type="checkbox"/> Used Oil Transporter	<input type="checkbox"/> Used Oil Fuel Marketer Who Directs Shipment of Off-Spec. Oil
Mercury containing equipment	<input type="checkbox"/>	<input type="checkbox"/> Used Oil Transfer Facility	<input type="checkbox"/> Used Oil Fuel Marketer to Off-Specification Used Oil Burner
Lamps	<input checked="" type="checkbox"/>	<input type="checkbox"/> Used Oil Processor	
		<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, F007, U112) Use an additional page if more space is needed. If there are more than 7 waste codes and they are the same as listed in the most recent RCRAinfo source record, you do not need to list them all. Instead just indicate the date of the most recent source record.

D001	F002	F003	D002	D038	D022	D008
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12. Comments: Use this area to describe whether the inspection was announced, whether the waste is stored in tanks or containers, etc.

Announced	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Additional Facility Representatives:	Mr. Dave Vandenberg, Ms. Jane Thompson
Tanks	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Other Comments:	
Containers	<input checked="" 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)
Scott Bergreen		10/11/2007 9:00 a.m. - 1:00 p.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 personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature of Owner, Operator, or an Authorized Representative	Name and Title (Print)	Date (mm/dd/yyyy)

PROCESS, WASTE, P2 SUMMARY SHEET

Facility Name: Kemron	Facility Type: SQG	Date of Inspection: 10/11/07	EPA ID #: OHD986976728
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Waste Generated			On- or Off-Site Management		P2 Activities	
Process/Activity Generating Waste (e.g. plating bath, machining, baghouse, painting, general maintenance, etc)	Waste Description (e.g. sludge, solvent, ash, used oil, spent lamps, etc.) and EPA Waste Code, if applic.	QTY Generated per Month, Type of Accumulation (container, tank, etc) and location of waste accumulation area	Type of On-Site Treatment (recycle, wwt, etc)	Name, state, and type of activity occurring at the off-site facility.	Current P2 Activities	P2 Opportunities
1 Laboratory Analyses	Hazardous Waste Solids (Soil Samples) D001/F002	600 – 1000 lbs./month	N/A	VonRoll America East Liverpool, OH		
2 Laboratory Analyses	Halogenated Solvents D001/D022/ F002/F003	100 – 300 lbs./month	N/A	VonRoll America East Liverpool, OH		
3 Laboratory Analyses	Waste Corrosive Liquid/ Mercury (COD analyses)	~25 lbs./month (D002/D004/D005/ D006/D009/D011)	N/A	Veolia Tech. Solutions W. Carrollton, OH		
4 Laboratory Analyses	Spent Sample Extracts D001/F002	~30 lbs./month	N/A	VonRoll America East Liverpool, OH		

5	Laboratory Analyses	Spent trichlorotrifluoro-ethane (Freon) F002	75 – 200 lbs./year	N/A	VonRoll America East Liverpool, OH	Use of Freon is being phased out.	
6	Laboratory Analyses	Spent Acetone and hydrochloric acid D001/D002/ D038/F003	100 – 400 lbs./month	N/A	VonRoll America East Liverpool, OH		
7	Laboratory Analyses	Spent Hexane/ Sulfuric Acid D001/D002	~75 lbs./year	N/A	VonRoll America East Liverpool, OH		
8	Laboratory Chemicals	Lab Pack Various waste codes	Varies	N/A	Veolia Tech. Solutions W. Carrollton, OH		
9	Maintenance	Universal Wastes- Fluorescent bulbs/small batteries	Varies	N/A	Pollution Control Industries E. Chicago, IL Veolia W. Carrollton, OH		

REMARKS-GENERAL INFORMATION

General Process Information: Kemron Environmental Services is an analytical testing laboratory and environmental consulting company located on Starlight Drive in Marietta. The laboratory performs a wide array of analytical tests, including TCLP, total VOC/Semi-VOC, metals, and numerous wastewater tests and methods. The laboratory testing procedures generate numerous different hazardous waste streams including halogenated and non-halogenated solvents, contaminated soil samples, and other waste streams. Contaminated soil is Kemron's largest waste stream. Kemron has numerous satellite accumulation areas in the different labs and a central less than 90 day hazardous waste storage building located outside in back of the facility. Kemron performs various tests for the USDA which generates waste soils that are accumulated and sent off-site for incineration (these soils are non-RCRA, but USDA requires that the soils be incinerated). Kemron has a sample archiving system where samples are retained at the lab for a period of time depending on contract or customer requirements. Kemron generates spent fluorescent bulbs and batteries that are managed as universal wastes.

Regulatory/Enforcement History: The last compliance evaluation inspection was conducted at Kemron on October 23, 2002.

Additional P2 remarks and information:

Would this facility be interested in a P2 assessment? Yes* _____ No X

**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 or < 1 Kg. of acutely hazardous waste.
 SQG: Between 100 and 1,000 Kg. (about 25 to under 300 gallons) of waste in a calendar month
 LQG: ≥ 1,000 Kg. (-300 gallons) of waste in a calendar month or ≥ 1 Kg. of acutely hazardous waste in a calendar month
 NOTE: To convert from gallons to pounds: Amount in gallons x Specific Gravity x 8.345 = Amounts in pounds
 Safety Equipment Used:

GENERAL REQUIREMENTS

- | | | | |
|--|---|--|------------------------------|
| 1. Have all wastes generated at the facility been adequately evaluated? [3745-52-11] | Yes <input checked="" type="checkbox"/> | No <input checked="" type="checkbox"/> | N/A <input type="checkbox"/> |
| 2. Has the generator obtained a U.S. EPA I.D. number? [3745-52-12] | Yes <input checked="" type="checkbox"/> | No <input checked="" type="checkbox"/> | N/A <input type="checkbox"/> |
| 3. Has the generator transported or caused to be transported hazardous waste to other than a facility authorized to manage the hazardous waste? [ORC 3734.02 (F)] | Yes <input checked="" type="checkbox"/> | No <input checked="" type="checkbox"/> | N/A <input type="checkbox"/> |
| 4. Has the generator disposed of hazardous waste on-site without a permit or at another facility other than a facility authorized to dispose of hazardous waste? [ORC 3734.02 (E) & (F)] | Yes <input checked="" type="checkbox"/> | No <input checked="" type="checkbox"/> | N/A <input type="checkbox"/> |
| 5. Does the generator accumulate hazardous waste? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |

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

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

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

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

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

- | | | | | |
|---|------------------------------|--|---|--|
| 8. Does the generator treat hazardous waste in a: | | | | |
| a. Container that meets 3745-66-70 to 3745-66-77? | Yes <input type="checkbox"/> | No <input checked="" 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 checked="" 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 checked="" 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 checked="" type="checkbox"/> | N/A <input checked="" type="checkbox"/> | |

NOTE: Complete appropriate checklist for each unit.

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

MANIFEST REQUIREMENTS

- | | | | |
|---|---|--|---|
| 9. Are all hazardous wastes either reclaimed under a contractual agreement as defined in OAC rule 3745-52-20(E), or shipped off-site accompanied by a manifest (U.S. EPA Form 8700-22)? [3745-52-20(A)] | Yes <input checked="" type="checkbox"/> | No <input checked="" type="checkbox"/> | N/A <input type="checkbox"/> |
| 10. Are wastes reclaimed under a contractual agreement? If so: [3745-52-20(E)] | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | N/A <input type="checkbox"/> |
| a. Does the contractual agreement specify the type of waste and frequency of shipment? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | N/A <input checked="" type="checkbox"/> |

- b. Is the transport vehicle owned and operated by the reclaimer? Yes No N/A
- c. Is a copy of the reclamation agreement kept on-site for at least three years after termination/expiration of the agreement? Yes No N/A

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

11. Have items 1 through 20 of each manifest been completed?[3745-52-20(A)] Yes No N/A

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

12. Does each manifest designate at least one facility which is permitted to handle the waste? [3745-52-20(B)] Yes No N/A

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

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

14. Have the manifests been signed by the generator and initial transporter? [3745-52-23 (A) (1) and (2)] Yes No N/A

NOTE: Remind the generator that the certification statement they signed indicates: 1) they have properly prepared the shipment for transportation and 2) they have made a good faith effort to minimize their waste generation.

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

16. Are signed copies of all manifests being retained for at least three years? [3745-52-40] Yes No N/A

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

PREPAREDNESS AND PREVENTION

17. Is an emergency coordinator available at all times (on-site or on-call)? [3745-52-34(D)(5)(a)] Yes No N/A

18. Has the following been posted by the telephone: [3745-52-34(D)(5)(b)]
- a. Name and telephone number of emergency coordinator? Yes No N/A
- b. Location of fire and spill control equipment, and, if present, fire alarm(s) Yes No N/A
- c. Telephone number of local fire department? Yes No N/A

19. Are employees familiar with waste handling and emergency procedures [3745-52-34(D)(5)(c)] Yes No N/A

20. Has the facility properly responded to all fires and spills? [3745-52-34(D)(5)(d)] Yes No N/A

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

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

- | | | | | | | |
|--|-----|-------------------------------------|----|--------------------------|-----|-------------------------------------|
| a. Internal Alarm system? [3745-65-32(A)] | Yes | <input checked="" type="checkbox"/> | No | <input type="checkbox"/> | N/A | <input type="checkbox"/> |
| b. Emergency communication device? [3745-65-32(B)] | Yes | <input checked="" type="checkbox"/> | No | <input type="checkbox"/> | N/A | <input type="checkbox"/> |
| c. Portable fire control, spill control and decon equipment? [3745-65-32(C)]? | Yes | <input checked="" type="checkbox"/> | No | <input type="checkbox"/> | N/A | <input type="checkbox"/> |
| d. Water of adequate volume/pressure per documentation or facility rep? [3745-65-32(D)] | Yes | <input checked="" type="checkbox"/> | No | <input type="checkbox"/> | N/A | <input type="checkbox"/> |
| 23. Is emergency equipment tested (inspected) as necessary to ensure its proper operation in time of emergency?[3745-65-33] | Yes | <input checked="" type="checkbox"/> | No | <input type="checkbox"/> | N/A | <input type="checkbox"/> |
| a. Are inspections recorded in a log or summary? [3745-65-33]? | Yes | <input checked="" type="checkbox"/> | No | <input type="checkbox"/> | N/A | <input type="checkbox"/> |
| 24. Do personnel have immediate access to an internal alarm or emergency communication device when handling hazardous waste (unless the device is not required under OAC 3745-65-32)? [3745-65-34(A)] | Yes | <input checked="" type="checkbox"/> | No | <input type="checkbox"/> | N/A | <input type="checkbox"/> |
| 25. If there is only one employee on the premises is there immediate access to a device (ex. phone, hand-held two-way radio) capable of summoning external emergency assistance? (Unless not required under 3745-65-32?) [3745-65-34(B)] | Yes | <input type="checkbox"/> | No | <input type="checkbox"/> | N/A | <input checked="" type="checkbox"/> |
| 26. Is adequate aisle space provided for unobstructed movement of emergency or spill control equipment? [3745-65-35] | Yes | <input checked="" type="checkbox"/> | No | <input type="checkbox"/> | N/A | <input type="checkbox"/> |
| 27. Has the generator attempted to familiarize emergency authorities with possible hazards and facility layout? [3745-65-37(A)] | Yes | <input checked="" type="checkbox"/> | No | <input type="checkbox"/> | N/A | <input type="checkbox"/> |
| 28. Where authorities have declined to enter into arrangements or agreements, has the generator documented such a refusal? [3745-65-37(B)] | Yes | <input type="checkbox"/> | No | <input type="checkbox"/> | N/A | <input checked="" type="checkbox"/> |

SATELLITE ACCUMULATION AREA REQUIREMENTS

- | | | | | | | |
|--|-----|-------------------------------------|----|-------------------------------------|-----|-------------------------------------|
| 29. Does the generator ensure that satellite accumulation area(s): | | | | | | |
| a. Are at or near a point of generation? {3745-52-34(C)(1)} | Yes | <input checked="" type="checkbox"/> | No | <input type="checkbox"/> | N/A | <input type="checkbox"/> |
| b. Are under the control of the operator of the process generating the waste? [3745-52-34(C)(1)] | Yes | <input checked="" type="checkbox"/> | No | <input type="checkbox"/> | N/A | <input type="checkbox"/> |
| c. Do not exceed a total of 55 gallons of hazardous waste per waste stream? [3745-52-34(C)(1)] | Yes | <input checked="" type="checkbox"/> | No | <input type="checkbox"/> | N/A | <input type="checkbox"/> |
| d. Do not exceed one quart of acutely hazardous waste at any one time? [3745-52-34(C)(1)] | Yes | <input type="checkbox"/> | No | <input type="checkbox"/> | N/A | <input checked="" type="checkbox"/> |
| e. Containers are closed, in good condition and compatible with wastes stored in them? [3745-52-34(C)(1)(a)]. | Yes | <input checked="" type="checkbox"/> | No | <input type="checkbox"/> | N/A | <input type="checkbox"/> |
| f. Containers are marked with the words "Hazardous Waste" or other words identifying the contents? [3745-52-34(C)(1)(b)] | Yes | <input checked="" type="checkbox"/> | No | <input type="checkbox"/> | N/A | <input type="checkbox"/> |
| 30. Is the generator accumulating hazardous waste(s) in excess of the amounts listed in the preceding question? If so: | Yes | <input type="checkbox"/> | No | <input checked="" type="checkbox"/> | N/A | <input type="checkbox"/> |
| 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 | <input type="checkbox"/> | No | <input type="checkbox"/> | N/A | <input checked="" type="checkbox"/> |
| 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 | <input type="checkbox"/> | No | <input type="checkbox"/> | N/A | <input checked="" type="checkbox"/> |

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

USE AND MANAGEMENT OF CONTAINERS

- 31. Has the generator marked containers with the words "Hazardous Waste"[3745-52-34(D)(4)] Yes No N/A
- 32. Is the accumulation date on each container? [3745-52-34(D)(4)] Yes No N/A
- 33. Are hazardous wastes stored in containers which are:
 - a. Closed (except when adding/removing wastes)? [3745-66-73(A)] Yes No N/A
 - b. In good condition? [3745-66-71] Yes No N/A
 - c. Compatible with wastes stored in them? [3745-66-72] Yes No N/A
 - d. Handled in a manner which prevents rupture/leakage? [3745-66-73(B)] Yes No N/A

NOTE: Record location on process summary sheets and photograph the area.

- 34. Is the container accumulation area(s) inspected at least weekly? [3745-66-74] Per 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
- 35. Are containers of incompatible wastes stored separately from each other by means of a dike, berm, wall or other device? [3745-66-77(C)] Yes No N/A
- 36. If the generator places incompatible wastes, or incompatible wastes and materials in the same container, is it done in accordance with 3745-65-17(B) 3745-66-77(A)] Yes No N/A
- 37. If the generator places hazardous waste in an unwashed container that previously held an incompatible waste, is it done in accordance with 3745-65-17(B) ? [3745-66-77(B)] Yes No N/A

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

PRE-TRANSPORT REQUIREMENTS

- 38. Does each generator package/label its hazardous waste in accordance with the applicable DOT regulations? [3745-52-30, 3745-52-31 and 3745-52-32(A)] Yes No N/A
- 39. Does each container ≤100 gallons have a completed hazardous waste label? [3745-52-32(B)] Yes No N/A
- 40. Before off-site transportation, does the generator placard or offer the appropriate DOT placards to the initial transporter? [3745-52-33] Yes No N/A

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) or 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# 2

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# 3
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# 4

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 (CAC 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# 5
- 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# 5
- 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# 5
- 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# 5
- 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# 5
- 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# 5
- 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# 5

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

- # 2) The boxes of spent batteries were not labeled properly.
- # 3) The boxes of spent fluorescent lamps were not closed properly.
- # 4) The boxes of spent fluorescent lamps were not labeled properly.
- # 5) Kemron does not have a system to document how long universal waste lamps have been stored on-site.