OhioEPA

State of Ohio Environmental Protection Agency

Northwest District Office

347 North Dunbridge Road
Bowling Green, OH 43402-9398

TELE: (419) 352-8461 FAX: (419) 352-8468
www.epa.state.oh.us

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

RE: ALLEN COUNTY
Fort Amanda Specialties LLC
DHWM/NWDO
OHD 987 054 657
Notice of Violation

April 6, 2007

Mr. Brett Anderson
Fort Amanda Specialties LLC
1747 Fort Amanda Road
Lima, Ohio 45804-1864

Dear Mr. Anderson:

Thank you and Jeff Wilson for accompanying Colleen Weaver, Chris Maslo, and me during the Ohio Environmental Protection Agency's (Ohio EPA's) March 7, 2007, inspection of Fort Amanda Specialties LLC's (Fort Amanda's) facility in Lima, Ohio. Colleen Weaver and Wendy Miller revisited your facility on March 14, 2007, to review additional paperwork. We inspected Fort Amanda 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 helped you 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, what you need to do to respond to our general concerns and the pollution prevention opportunities we identified.

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 3745-279-22 (C)(1), Used Oil Storage Requirements:** Containers used to store used oil shall be labeled or marked clearly with the words "Used Oil."

   Fort Amanda failed to mark their used oil drums in the compressor room with the words "Used Oil." Fort Amanda marked the used oil drums with the words "Used Oil" while Ohio EPA was on site. **Therefore, this violation has been abated.**

2. **OAC Rule 3745-273-14 (E), Universal Waste Storage Requirements:** Fort Amanda failed to mark the containers holding their fluorescent bulbs with the words "Universal Waste-Lamps."

Fort Amanda must label the appropriate containers with the words "Universal Waste-Lamps."

Fort Amanda marked the appropriate containers with the words "Universal Waste-Lamps" while Ohio EPA was on site. **Therefore, this violation has been abated.**

3. **OAC Rule 3745-66-74, Less than 90 day Storage Inspections:** The owner or operator must inspect areas where containers are stored, at least weekly, looking for leaks and for deterioration caused by corrosion or other factors.

   Fort Amanda failed to inspect the less than 90 day hazardous waste storage area on a weekly basis on the following dates: December 21, 2004; May 17, 2005; November 22, 2005; and March 28, 2006.

   In order to correct this violation, Fort Amanda must immediately begin inspecting the storage areas every seven (7) days. Fort Amanda must also write a plan outlining how Fort Amanda will ensure that inspections are completed every seven (7) days. This plan must be submitted to Ohio EPA along with copies of two (2) weeks of inspection logs for the storage areas.

4. **OAC Rule 3745-66-95 (A) (1-4), Tank Inspections:** The owner or operator must inspect, where present, at least once each operating day: (1) Overfill/spill control equipment to ensure that it is in good working order; (2) The aboveground portions of the tank system, if any, to detect corrosion or releases of waste; (3) Data gathered from monitoring equipment and leak-detection equipment to ensure that the tank system is being operated according to its design; and (4) The construction materials and the area immediately surrounding the externally accessible portion of the tank system including secondary containment structures to detect erosion or signs of releases of hazardous waste.

   Fort Amanda failed to inspect the tank system daily on the following dates: May 24, 2006; and May 27, 2006; and for the following items:

   a) 3745-66-95 (A)(1) Fort Amanda failed to inspect overfill/spill control equipment daily;

   b) 3745-66-95 (A)(2) Fort Amanda failed to inspect the above ground portions of the tank system daily;

   c) 3745-66-95 (A)(3) Fort Amanda failed to inspect data gathered from monitoring equipment and leak detection equipment daily;

   d) 3745-66-95 (A)(4) Fort Amanda failed to inspect the area immediately surrounding the tank system including the secondary containment daily.

In order to correct this violation, Fort Amanda must immediately begin inspecting the tank every operating day. Fort Amanda must also write a plan outlining how Fort Amanda will ensure that inspections are completed every day. This plan must be submitted to Ohio EPA along with copies of one (1) week of inspection logs for the tank system.

5. **OAC Rule 3745-65-16 (C), Personnel Training:** Facility personnel must take part in an annual review of the initial training required.

   Fort Amanda failed to complete annual refresher training for personnel (e.g. Jon Cox completed training on April 27, 2004; January 25, 2005; and March 17, 2006).

   In order to correct this violation, Fort Amanda must immediately conduct annual refresher training for those individuals that manage hazardous waste. Fort Amanda must document this training and submit a plan to Ohio EPA that outlines how Fort Amanda will ensure that this annual training will not exceed 365 days between courses as Ohio EPA defines annual as once every 365 days.

General Concerns

According to the hazardous waste coding on the manifests and your annual report, the laboratory titration waste with silver is coded as D002, D003, D011, and the laboratory clean up waste from titration with silver is coded as D002, D007, D011. Ohio EPA recommends that Fort Amanda analyze the laboratory titration waste with silver to determine what characteristics. During the last inspection by Ohio EPA, your facility determined that only the D002 and D011 waste codes applied to this waste, and according to Jeff Wilson, that process has not changed. Please forward your analytical or waste evaluation to me to include in our records.

As we 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. After the inspection we sent you recycling information for the lithium batteries that you generate. Ohio EPA also has helpful information about pollution prevention at the following web address: http://www.epa.state.oh.us/ocapp/ocapp.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 at (419) 373-3065.

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 site: www.epa.state.oh.us/dhwm/listserv.html. Please feel free to share this with your colleagues.

Enclosed you will find a copy of the checklists that were completed during the inspection. Should you have any questions, please feel free to call me at (419)373-3065. 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,

Kara Reynolds

Kara Reynolds
Environmental Specialist
Division of Hazardous Waste Management

/csl

Enclosure

cc: Colleen Weaver, DHWM, NWDO
Kara Reynolds, DHWM, NWDO
Cindy Lohrbach, DHWM, NWDO
Derrick Samaranski, USEPA, Region 5
DHWM, NWDO Allen County File: Ft Amanda Specialties 2002-

ec: John Pasquarette, DHWM, NWDO

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 SUBTITLE C SITE IDENTIFICATION/VERIFICATION FORM**	For Ohio EPA use only

2. Site EPA ID No.	**EPA ID Number:** OHD 987 054 657							
3. Site Name	**Name:** Fort Amanda Specialties LLC					**Website (optional:)**		
4. Site Location Information	**Street Address:** 1747 Fort Amanda Road							
	City, Town, or Village: Lima				**State:** OH			
	County Name: Allen				**Zip Code:** 45804-1864			
5. Site Land Type (check only one)	**Private**	**County**	**District**	**Federal**	**Indian**	**Municipal**	**State**	**Other**
	x							
6. NAICS code(s) www.census.gov/epcd/www/naics.html	**A.**			**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:** Brett		**MI:**	**Last Name:** Anderson				
	Phone Number: 419-996-2009			**Phone Number Extension:**				
	E-Mail Address: brett.anderson@fortamanda.com							
	Fax Number: 419-229-0287			**Fax Number Extension:**				
	Street or P.O. Box:							
	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:** BASF Corporation			**Date Became Owner (mm/dd/yyyy):** 02/01/2004				
	Owner Type: Mark with an X	**Private**	**County**	**District**	**Federal**	**Indian**	**Municipal**	**State**	**Other**
		x							
	Street or P.O. Box: 3000 Continental Drive North							
	City, Town, or Village: Mount Olive			**Owner Phone #:**				
	State: New Jersey			**Country:** USA		**Zip Code:** 07828-1234		
	B. Name of Site's Operator: Fort Amanda Specialties LLC			**Date Became Operator (mm/dd/yyyy):** 02/01/2004				
	Operator Type: Mark with an X	**Private**	**County**	**District**	**Federal**	**Indian**	**Municipal**	**State**	**Other**
		x							
	Street or P.O. Box: 1747 Fort Amanda Road							
	City, Town, or Village: Lima			**Operator Phone #:**				
	State: Ohio			**Country:** USA		**Zip Code:** 45804-1864		
9. Violations Cited?	[X] Yes	[ ] No						

10. **Type of Regulated Waste Activity (Mark "X" in all of the appropriate boxes.)**

[ ] **Not Regulated**

10. Type of Regulated Waste Activity (Mark "X" in all of the appropriate boxes.)

A. Hazardous Waste Activities

(choose only one of the following categories)

- [ ] UNKNOWN: Cited for violation of 3745-52-11
- [x] a. Large Quantity Generator (LQG):
- [ ] b. Small Quantity Generator (SQG)
- [ ] c. Conditionally Exempt Small Quantity Generator
- [ ] d. United States Importer of Hazardous Waste
- [ ] e. Mixed Waste (hazardous and radioactive) Generator

- [x] 3. Treater, Storer or Disposer of Hazardous Waste
- [ ] 4. Recycler of Hazardous Waste
- [ ] 5. Exempt Boiler and/or Industrial Furnace
  - [ ] a. Small Quantity On-site Burner Exemption
  - [ ] b. Smelting, Melting, Refining Furnace Exemption
- [ ] 6. Underground Injection Control Facility
- [ ] 7. Hazardous Waste Transporter

B. Universal Waste Activities

- [x] 1. Small Quantity Handler of Universal Waste

(Indicate types of universal waste generated and/or accumulated (check all boxes that apply):

- [ ] 2.Large Quantity Handler of Universal Waste

(accumulates 5,000 kg or more).

- [ ] 3. Destination Facility for Universal Waste

(Check all boxes below that apply for each of the three types of facilities above.)

	Generated	Accumulated
A. Batteries	x	x
B. Pesticides		
C.Thermostats		
D. Lamps	x	x

C. Used Oil Activities

- [x] 1. Used Oil Generator
- 2. Used Oil Transporter Indicate Type(s) of Activity(ies)
  - [ ] Transporter
  - [ ] Transfer Facility
- 3. Used Oil Processor and/or Re-refiner
  Indicate Type(s) of Activity(ies)
  - [ ] Processor
  - [ ] Re-refiner
- [ ] 4. Off-Specification Used Oil Burner
- 5. Used Oil Fuel Marketer -
  Indicate Type(s) of Activity(ies)
  - [ ] a. Marketer Who Directs Shipment of Off- Specification Oil
  - [ ] b. Used Oil to Off-Specification Used Oil Burner

11. Waste Codes for Federally Regulated Hazardous Wastes. Please list the codes for the federally regulated hazardous waste handled at your 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	D002	D003	D007	D008	D011	D035

12. Comments: Use this area to describe whether the inspection was announced, whether the waste is stored in tanks or containers, etc.

No	Announced ?	Additional Facility Representatives:	Jeff Wilson 419-996-2010 jeff.f.wilson@fortamanda.com
Yes	Tanks?	Other comments: Other Owner: AKZO Nobel Functional Chemicals LLC, 525 W. Van Buren Street, Chicago, IL 60607 from 12-02-1997 to present	
Yes	Containers?		

13. Name of Inspector(s)	Name of Inspector(s)	Date of Inspection/ Time (mm-dd-yyyy) (HH:MM)
Colleen Weaver	Kara Reynolds/Chris Maslo	03-07-2007 09:00

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)

Additional Waste Codes:
F003, F005, U001, U122

PROCESS, WASTE, P2 SUMMARY SHEET

Facility Name:Fort Amanda Specialties **Facility Type: LQG** **Date of Inspection: 03-07-2007** **EPA ID#: OHD 987 054 657**

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	MEH Process	Wastewater D035	160000lbs/tank		Vickery Env. Deepwelled		
2	DMH/Process	Wastewater D002	Tank	Elementary Neutralization	Ineos Deepwelled		
3	NTAN/IDAN/PDTN Process	Wastewater D002	Tank	Elementary Neutralization	Ineos Deepwelled		
4	Lab 1	Karl Fisher Waste D001, D035, F003, F005	10lbs/Container 55-gallong drum		Spring Grove Resource Recovery		
5	Laboratory	Copper Zinc Lab Waste Non-haz	55 gallon drum				
6	Laboratory Chelation Titrating	Lab titration waste non-haz	55 gallon drum				

7	Filter Press Ammoniated Process	Filter Press Sludge Non-haz	Container		Waste Management Toledo		
8	Laboratory Titration with Silver		100 lbs/container 55 gallon drum				
9	Parts Washer	Solvent continued use non-haz			Safety Kleen Continued Use		
10	Aerosol cans (i.e., spray paint, degreasers, etc.)	Aerosol Cans D001	4lbs/container		Clean Harbors, Reidsville, NC		
11	Laboratory Clean up	Clean up waste from silver titration D002, D007, D011	½ lb		Spring Grove		
	Maintenance on acetaldehyde process/scrubber	Wastewater D001, U001	13,569 lbs One time generation				
13	Spills during equipment maintenance	Spill pillows D002	37 lbs/container		Spring Grove		

14	Equipment Maint.	Formaldehyde contaminated debris U122	180 lbs/one time				
15	Laboratory	Outdated lead standard D008	15 lbs/one time				
16	Oil	Used oil recycled	Container				
17	Lighting	Used lamps Universal waste			Clean Harbors		
18	Batteries	NiCd Universal waste Lithium Sent as haz D001, D003 But are non-haz					Recycle lithium batteries

REMARKS-GENERAL INFORMATION

General Process Information:

Regulatory/Enforcement History (if applicable):

Additional P2 remarks and information:

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

LARGE QUANTITY GENERATOR REQUIREMENTS-Fort Amanda Specialties, Allen County, Lima

COMPLETE AND ATTACH A PROCESS DESCRIPTION SUMMARY

CESQG: ≤100Kg. (Approximately 25-30 gallons) of waste in a calendar month or < 1 Kg. of acutely hazardous waste.
SQG: Between 100 and 1,000 Kg. (About 25 to under 300 gallons) of waste in a calendar month.
LQG: ≥1,000 Kg. (~300 gallons) of waste in a calendar month or ≥1 Kg. of acutely hazardous waste in a calendar month.
NOTE: To convert from gallons to pounds: Amount in gallons x Specific Gravity x 8.345 = Amounts in pounds.

Safety Equipment Used:

GENERAL REQUIREMENTS

1. Have all wastes generated at the facility been adequately evaluated? [3745-52-11] — Yes ☒ No ☐ N/A ☐
2. Are records of waste determination being kept for at least 3 years?[3745-52-40(C)] — Yes ☒ No ☐ N/A ☐
3. Has the generator obtained a U.S. EPA identification number? [3745-52-12] — Yes ☒ No ☐ N/A ☐
4. Were annual reports filed with Ohio EPA on or before March 1st? [3745-52-41(A)] — Yes ☒ No ☐ N/A ☐
5. Are annual reports kept on file for at least 3 years?[3745-52-40(B)] — Yes ☒ No ☐ N/A ☐
6. Has the generator transported or caused to be transported hazardous waste to **other** than a facility authorized to manage the hazardous waste? [ORC 3734.02(F)] — Yes ☐ No ☒ N/A ☐
7. Has the generator disposed of hazardous waste **on-site without a permit** or at another facility **other** than a facility authorized to dispose of the hazardous waste? [ORC 3734.02(E) & (F)] — Yes ☐ No ☒ N/A ☐
8. Does the generator accumulate hazardous waste? — Yes ☒ No ☐ N/A ☐

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

9. Has the generator accumulated hazardous waste on-site in excess of 90 days without a permit or an extension from the director ORC §3734.02 (E) & (F)? — Yes ☐ No ☒ N/A ☐

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

10. Does the generator treat hazardous waste in a: [ORC 3734.02(E)&(F)]
    a. Container that meets 3745-66-70 to 3745-66-77? — Yes ☐ No ☐ N/A ☒
    b. Tank that meets 3745-66-90 to 3745-66-101 except 3745-66-97 (C)? — Yes ☐ No ☐ N/A ☒
    c. Drip pads that meet 3745-69-40 to 3745-69-45? — Yes ☐ No ☐ N/A ☒
    d. Containment building that meets 3745-256-100 to 3745-256-102? — Yes ☐ No ☐ N/A ☒

NOTE: Complete appropriate checklist for each unit.

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

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

MANIFEST REQUIREMENTS

12. Have all hazardous wastes shipped off-site been accompanied by a manifest? (U.S. EPA Form 8700-22) [3745-52-20(A)] — Yes ☒ No ☐ N/A ☐
13. Have items (1) through (20) of each manifest been completed? [3745-52-20(A)] — Yes ☒ No ☐ N/A ☐

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

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

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

15. If the transporter was unable to deliver a shipment of hazardous waste to the designated facility did the generator designate an alternate TSD facility or give the transporter instructions to return the waste? [3745-52-20(D)] — Yes ☒ No ☐ N/A ☐
16. Have the manifests been signed by the generator and initial transporter? [3745-52-23(A)(1) & (2)] — Yes ☒ No ☐ N/A ☐

NOTE: Remind the generator that the certification statement they signed indicates: 1) they have properly prepared the shipment for transportation and 2) they have a program in place to reduce the volume and toxicity waste they generate.

17. If the generator did not receive a return copy of each completed manifest within 35 days of the waste being accepted by the transporter did the generator contact the transporter and/or TSD facility to check on the status of the waste? [3745-52-42(A)(1)] — Yes ☐ No ☐ N/A ☒
18. If the generator has not received the manifest within 45 days, did the generator file an exception report with Ohio EPA? [3745-52-42(A)(2)] — Yes ☐ No ☐ N/A ☒
19. Are signed copies of all manifests and any exception reports being retained for at least three years? [3745-52-40] — Yes ☒ No ☐ N/A ☐

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

PERSONNEL TRAINING

20. Does the generator have a training program which teaches facility personnel hazardous waste management procedures (including contingency plan implementation) relevant to their positions? [3745-65-16(A)(2)] — Yes ☒ No ☐ N/A ☐
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)]See Below of Dates Trained — Yes ☐ No ☒ N/A ☐
25. Does the generator keep records and documentation of:
    a. Job titles [3745-65-16D(1)]? — Yes ☒ No ☐ N/A ☐
    b. Job descriptions [3745-65-16D(2)]? — Yes ☒ No ☐ N/A ☐
    c. Type and amount of training given to each person[3745-65-16D(3)]? — Yes ☒ No ☐ N/A ☐
    d. Completed training or job experience required [3745-65-16D(4)]? — Yes ☒ No ☐ N/A ☐
26. Are training records for current personnel kept until closure of the facility and are training records for former employees kept for at least three years from the date the employee last worked at the facility? [3745-65-16(E)] — Yes ☒ No ☐ N/A ☐

NOTE: The following section can be used by the inspector to document that all personnel who are involved with hazardous waste management have been trained. The employees who need training (written and/or on-the -job) may include the following: environmental coordinators, drum handlers, emergency coordinators, personnel who conduct hazardous waste inspections, emergency response teams, personnel who prepare manifest, etc.

Job Performed	Name of Employee	Date Trained
Chemical Operator	Jon Cox	3-17-2006; 1-25-2005; 4-27-2004
Chemical Operator	Gregg Bunn	10-18-2006; 1-18-2005; 5-9-2004
Chemical Operator	Chrissy Callahan	2-5-2006; 1-25-2005; 4-4-2004
Chemical Operator	Jason Carter	10-27-2006; 1-11-2005; 4-21-2006

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] Yes ☒ No ☐ N/A ☐

e. An evacuation plan for facility personnel where there is possibility that evacuation may be necessary? [3745-65-52(F)] Yes ☒ No ☐ N/A ☐

NOTE: If the facility already has a "Spill Prevention, Control and Counter measures Plan" under CFR Part 112 or 40 CFR Part 1510, or some other emergency plan, the facility can amend that plan to Incorporate hazardous waste management provisions that are sufficient to comply with OAC requirements. [3745-65-52(B)]

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

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

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

NOTE: The emergency coordinator shall be throughly 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.

35. Is emergency equipment tested (inspected) as necessary to ensure its proper operation in time of emergency? [3745-65-33] Yes ☒ No ☐ N/A ☐

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

37. Do personnel have immediate access to an internal alarm or emergency communication device when handling hazardous waste (unless the device is not required under 3745-65-32)? [3745-65-34(A)] Yes ☒ No ☐ N/A ☐

38. If there is only one employee on the premises, is there immediate access to a device (ex.phone, hand held two-way radio) capable of summoning external emergency assistance? (Unless not required under 3745-65-32) [3745-65-34(B)] Yes ☐ No ☐ N/A ☒

39. Is adequate aisle space provided for unobstructed movement of emergency or spill control equipment? [3745-65-35] Yes ☒ No ☐ N/A ☐

40. Has the generator attempted to familiarize emergency authorities with possible hazards and facility layouts? [3745-65-37(A)] Yes ☒ No ☐ N/A ☐

41. Where authorities have declined to enter into arrangements or agreements, has the generator documented such a refusal? [3745-65-37(B)? Yes ☐ No ☐ N/A ☒

SATELLITE ACCUMULATION AREA REQUIREMENTS

42. Does the generator ensure that satellite accumulation area(s):

a. Are at or near a point of generation? [3745-52-34(C)(1)] Yes ☒ No ☐ N/A ☐

b. Are under the control of the operator of the process generating the waste? [3745-52-34(C)(1)] Yes ☒ No ☐ N/A ☐

c. Do not exceed a total of 55 gallons of hazardous waste per waste stream? [3745-52-34(C)(1)] Yes ☒ No ☐ N/A ☐

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

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

f. Containers are marked with words "Hazardous Waste" or other words identifying the contents? [3745-52-34(C)(1)(b)] Yes ☒ No ☐ N/A ☐

43. Is the generator accumulating hazardous waste(s) in excess of the amounts listed in the preceding question? If so: Yes ☐ No ☒ N/A ☐

a. Did the generator comply with 3745-52-34(A)(1)through(4) or other applicable generator requirements within three days? [3745-52-34(C)(2)] Yes ☐ No ☐ N/A ☒

b. Did the generator mark the container(s) holding excess with the accumulation date when the 55 gallon (one quart) limit was exceeded?[3745-52-34(C)(2)] Yes ☐ No ☐ N/A ☒

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 then 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. See Notes-Greater than 7 days between inspections and missing inspections. 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 ☒

TANK SYSTEM REQUIREMENTS (OAC rule 3745-52-34(A) and OAC rules 3745-66-100)

(Please refer to the rules before or while completing this checklist.)

1. Is each tank clearly labeled/marked with the words "Hazardous Waste" [3745-52-34(A)(3)]? Yes ☒ No ☐ N/A ☐

TANK SYSTEM – GENERAL OPERATING REQUIREMENTS

2. Does the o/o follow the general operating requirements below:
   a. Does the o/o prevent placement of hazardous waste or treatment reagents in tank or secondary containment if such placement can cause the system to leak, rupture, corrode, or otherwise fail?[3745-66-94(A)] Yes ☒ No ☐ N/A ☐
   b. Does the o/o use appropriate controls to prevent spills or overflows from the system (e.g., check valves, dry disconnect couplings, high level alarms, etc.)?[3745-66-94(B)] Yes ☒ No ☐ N/A ☐
   c. If a leak or spill has occurred in the tank system, has the o/o complied with 3745-66-96?[3745-66-94(C)] Yes ☐ No ☐ N/A ☒

TANK SYSTEM – INSPECTION REQUIREMENTS

3. Has the o/o documented the inspections required in 3745-66-95, in the operating record, including inspection of the following:
   a. Spill control equipment each operating day? [3745-66-95(A)(1)] Yes ☐ No ☒ N/A ☐
   b. Above ground portion of tank each operating day?[3745-66-95(A)(2)] Yes ☐ No ☒ N/A ☐
   c. Data from leak detection equipment each operating day?[3745-66-95(A)(3)] Yes ☐ No ☒ N/A ☐
   d. Construction materials and area immediately surrounding the tanks for signs of erosion or release of hazardous waste each operating day?[3745-66-95(A)(4)] Yes ☐ No ☒ N/A ☐

NOTE: "Each operating day" is each day that the tank system is being used to manage (store or treat) hazardous waste.

4. Where applicable, the cathodic protection system to confirm proper operation within six months of initial installation and annually thereafter?[3745-66-95(B)(1)] Yes ☐ No ☐ N/A ☒
5. Where applicable, all sources of impressed current at least bi-monthly?[3745-66-95(B)(2)] Yes ☐ No ☐ N/A ☒

TANK SYSTEM CLOSURE REQUIREMENTS

6. If the generator has closed a <90 day tank, closure must also be completed in accordance with OAC 3745-66-97 (except for paragraph C of this rule). Yes ☐ No ☐ N/A ☒

TANK SYSTEMS STORING IGNITABLE OR REACTIVE WASTES

7. For tanks used or treat or store ignitable or reactive wastes, has the o/o complied with **one of the following**: [3745-66-98(A)] Yes ☐ No ☐ N/A ☒
   a. Is the waste treated immediately after placement in the tank so that the resultant mixture is no longer ignitable or reactive and the o/o has conducted such activities in compliance with 3745-66-17(B)?[3745-66-98(A); **OR** Yes ☐ No ☐ N/A ☒
   b. Is the waste stored or treated to protect it from materials or conditions which may cause ignition or reaction?[3745-66-98(A)]; **OR** Yes ☐ No ☐ N/A ☒
   c. The tank is used solely for emergencies?[3745-66-98(A)] Yes ☐ No ☐ N/A ☒
8. If ignitable or reactive waste is stored or treated, are protective distances maintained between waste management areas and any public streets, alleys or adjoining property lines as required by the NFPA Flammable and Combustible Liquids Code (1996)? [3745-66-98(B)] Yes ☐ No ☐ N/A ☒
9. Has the o/o placed incompatible wastes or materials into the same tank system, or into a tank system that has not been decontaminated and which previously held an incompatible waste or material?[3745-66-99(A) and/or (B)] Yes ☐ No ☒ N/A ☐
   a. ***If so,*** have the requirements of 3745-65-17(B) been met?[3745-66-99(A) and/or (B)] Yes ☐ No ☐ N/A ☒

TANK SYSTEM – WASTE ANALYSIS REQUIREMENTS

10. In addition to conducting the waste analysis required by 3745-65-13, when the tank system is used to store or treat a waste which is substantially different or uses a substantially different process than previously used, has the o/o done one of the following:[3745-66-100] Yes ☐ No ☐ N/A ☒
    a. Conducted waste analysis and trial treatment or storage tests?[3745-66-100(A)]; **OR** Yes ☐ No ☐ N/A ☒
    b. Obtained written documentation on similar waste under similar operating conditions to show that the proposed storage/treatment will meet the requirements of OAC 3745-66-94? [3745-66-100(B)] Yes ☐ No ☐ N/A ☒

TANK SYSTEMS REQUIREMENTS

11. Is there a written assessment attesting that the design, installation and structural integrity of the system is adequate for the management of hazardous waste(s)?[3745-66-92(A)] Yes ☒ No ☐ N/A ☐

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

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

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

13. Are there written statements by those persons who supervised installation or certified design of the new tank system, that the tank system was properly installed and designed and that required repairs were performed?[3745-66-92(G)] Yes ☒ No ☐ N/A ☐

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

SECONDARY CONTAINMENT

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

NOTE: All tank systems must have secondary containment at this point, except for tank systems that store/treat materials that become hazardous waste after January 12, 1987, must have secondary containment required within the time intervals in [3745-66-92(A)(1)] to (A)(4). The date the material became a hazardous waste must be used in place of January 12, 1987.[3745-66-92(A)(5)]

15. Is secondary containment one of the following: Yes ☒ No ☐ N/A ☐
   a. An **External Liner**? [3745-66-93(E)(1)] If so, Yes ☒ No ☐ N/A ☐
      i. Is liner designed or operated to contain 100% of the capacity of the largest tank? Yes ☒ No ☐ N/A ☐
      ii. Is liner designed and operated to prevent run-on and infiltration or the collection system has excess capacity to contain run-on and infiltration from a 25-year, 24-hour storm? Yes ☒ No ☐ N/A ☐
      iii. Is liner free of cracks and gaps? Yes ☒ No ☐ N/A ☐
      iv. Does liner completely surround the tank and cover all earth likely to be contacted by waste during a release? Yes ☒ No ☐ N/A ☐
      v. Are chemically resistant water stops in place at all points? *(concrete liners only)* Yes ☒ No ☐ N/A ☐
      vi. Is there a compatible interior coating or lining to prevent migration of waste into the concrete? *(concrete liners only)* Yes ☒ No ☐ N/A ☐
   b. **Vault System?** [3745-66-93(E)(2)] If so, Yes ☐ No ☐ N/A ☒
      i. Is vault system designed to contain 100% of the capacity in the largest tank? Yes ☐ No ☐ N/A ☒
      ii. Is liner designed and operated to prevent run-on and infiltration or the collection system has excess capacity to contain run-on and infiltration from a 25-year, 24-hour storm? Yes ☐ No ☐ N/A ☒
      iii. Are chemically resistant water stops in place at all points? Yes ☐ No ☐ N/A ☒
      iv. Is there a compatible interior coating to prevent migration into the concrete? Yes ☐ No ☐ N/A ☒

v. For **ignitable or reactive waste**: Is the vault system provided with means to prevent against the formation or ignition of vapors?	Yes ☐	No ☐	N/A ☒	
vi. Is vault system provided with an exterior moisture barrier?	Yes ☐	No ☐	N/A ☒	
c. **Double-Walled Tank?** [3745-66-93(E)(3)] If so,	Yes ☐	No ☐	N/A ☒	
i. Is double-walled tank designed as an integral structure to contain any release from the inner tank?	Yes ☐	No ☐	N/A ☒	
ii. **If metal**, are the primary tank interior and outer shell exterior surfaces protected from corrosion?	Yes ☐	No ☐	N/A ☒	
iii. Is double-walled tank provided with a continuous leak detection system able to detect a release within 24 hours or at the earliest practicable time?	Yes ☐	No ☐	N/A ☒	
d. **An Equivalent Device?** As described in 3745-66-93(D)(4) which has been approved by the director? [3745-66-93(D&E)]	Yes ☐	No ☐	N/A ☒	

SECONDARY CONTAINMENT DESIGN/OPERATION/INSTALLATION

16. Has each secondary containment system been designed, installed and operated to prevent any migration of wastes or liquid to the soil, groundwater, or surface water and is it capable of detecting and collecting releases and accumulated liquids?[3745-66-93(B)(1) and (2)]	Yes ☒	No ☐	N/A ☐	
17. Does the secondary containment system meet the following minimum requirements of [3745-66-93(C)]:				
a. Constructed or lined with compatible materials of sufficient strength to prevent failure?[3745-66-93(C)(2)]	Yes ☒	No ☐	N/A ☐	
b. Placed on a foundation or base capable of providing support?[3745-66-93(C)(2)]	Yes ☒	No ☐	N/A ☐	
c. Provided with a leak detection system designed/operated to detect failure to primary or secondary containment or any release of hazardous waste within 24 hours or at earliest practicable time?[3745-66-93(C)(3)]	Yes ☒	No ☐	N/A ☐	
d. Sloped or designed to drain and remove liquid resulting from leaks, spills or precipitation?[3745-66-93(C)(4)]	Yes ☒	No ☐	N/A ☐	
e. Any liquid which accumulates in the containment unit resulting from spills, leaks or precipitation removed within 24 hours or in a timely manner?[3745-66-93(C)(4)]	Yes ☒	No ☐	N/A ☐	

ANCILLARY EQUIPMENT REQUIREMENTS

18. Is ancillary equipment provided with secondary containment (such as double-walled piping, jacketing or a trench)?	Yes ☒	No ☐	N/A ☐	
***If not**, is the ancillary equipment one of the following*: [3745-66-93(F)]				
a. Above ground piping (exclusive of flanges, joints, valves and connections) that is inspected daily?	Yes ☒	No ☐	N/A ☐	
b. Welded flanges, welded joints and/or welded connections that is inspected daily?	Yes ☒	No ☐	N/A ☐	
c. Sealless or magnetic coupling pumps and/or sealless valves?	Yes ☒	No ☐	N/A ☐	
d. Pressurized above ground piping systems with automatic shut-off devices (e.g., excess flow check valves, flow metering shutdown and/or loss of pressure-actuated shut-off devices) that is inspected daily?	Yes ☒	No ☐	N/A ☐	

TANK SYSTEMS FOUND TO BE LEAKING OR UNFIT FOR USE

19. Has there been a leak or spill from any tank system or has any tank system been found unfit for use? ***If so***, did the o/o	Yes ☐	No ☐	N/A ☒	

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

a. Immediately cease flow of material into tank and investigate the cause of the release?[3745-66-96(A)]	Yes ☐	No ☐	N/A ☒	
b. Remove waste from tank system to prevent further release within 24 hours of detection or earliest practicable time?[3745-66-96(B)(1)]	Yes ☐	No ☐	N/A ☒	
c. Remove all material released into secondary containment system within 24 hours or as timely as possible to prevent harm to human health and the environment?[3745-66-96(B)(2)]	Yes ☐	No ☐	N/A ☒	
d. Immediately conduct a visual inspection of the release?[3745-66-96(C)]	Yes ☐	No ☐	N/A ☒	
e. Prevent further migration of the leak or spill to soils or surface waters?[3745-66-96(C)]	Yes ☐	No ☐	N/A ☒	
f. Properly dispose of any visibly contaminated soil or surface water? [3745-66-96(C)]	Yes ☐	No ☐	N/A ☒	
g. Report the release to the director within 24 hours unless it was less than one pound and was cleaned up immediately? [3745-66-96(D)(1)]	Yes ☐	No ☐	N/A ☒	
h. Submit a written report of the incident to the director within 30 days of the release? [3745-66-96(D)(3)]	Yes ☐	No ☐	N/A ☒	

i. Remediate the spill and repair the unit prior to returning it to service? [3745-66-96(E)(2)] Yes ☐ No ☐ N/A ☒

j. For a release from a tank system without secondary containment, did the o/o provide secondary containment meeting the requirements of 3745-66-93 for the unit prior to putting it back into service? [3745-66-96(E)(4)] Yes ☐ No ☐ N/A ☒

NOTE: The requirements noted in 20.j. do not apply if the release was from an above ground component of the tank which can be inspected visually after being put back into service.

20. In the event that the repairs to the tank system were major (replacement of liner, repair of ruptured primary or secondary containment structure), did the o/o obtain a certification from an independent, registered P.E. attesting that the repaired unit is capable of handing hazardous waste? [3745-66-96(F)] Yes ☐ No ☐ N/A ☒

21. Was a copy of the certification submitted to the director within seven days after returning the system to use? [3745-66-96(F)] Yes ☐ No ☐ N/A ☒

22. If the o/o was unable to repair and return the unit to service as described in 20.a through 20.e, was the tank system closed in accordance with 3745-66-97? [3745-66-96(E)(1)] Yes ☐ No ☐ N/A ☒

23. Does the o/o have a tank system **with a variance from secondary containment** from which a release has occurred but <u>has not</u> migrated beyond the zone of engineering control? **If so,** Yes ☐ No ☐ N/A ☒

    a. Has the o/o complied with 3745-66-96(A) through (F) and decontaminated soils? [3745-66-93(G)(3)] Yes ☐ No ☐ N/A ☒

    b. If soils cannot be decontaminated/removed, has the o/o complied with 3745-66-97(B)? [3745-66-93(G)(3)] Yes ☐ No ☐ N/A ☒

24. Does the o/o have a tank system **with a variance from secondary containment** from which a release occurred and <u>has</u> migrated from the zone of engineering control? **If so,** Yes ☐ No ☐ N/A ☒

    a. Has the o/o complied with 3745-66-96(A) through (D), prevented migration, and decontaminated soil? [3745-66-93(G)(4)] Yes ☐ No ☐ N/A ☒

    b. If soils cannot be decontaminated/removed, or if the groundwater has been contaminated, has the o/o complied with 3745-66-97(B)? [3745-66-93(G)(4)] Yes ☐ No ☐ N/A ☒

LDR CHECKLIST-Fort Amanda Specialties LLC, Allen County, Lima

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_X_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_X_No☐N/A__RMK# ___

   b. For determinations based upon analytical testing: Is waste analysis data retained on-site? [3745-270-07(A)(6)] Yes_X_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_X_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_X_No☐N/A__RMK# ___

4. Does the generator generate a characteristic hazardous waste? If so: Y es_X_No__N/A__RMK# ___

   a. Have all underlying hazardous constituents (UHCs) been identified? [3745-270-09(A)] Yes_X_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: Y es_X_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_X_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_X_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_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☐ N/A_X_ 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: Y es__ No_X_ 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_X_ RMK# __

11. Does the facility have an extension to allow for a restricted waste to be land disposed?[3745-270-06] If so: Y es__ No_X_ N/A__ RMK# __

    a. The facility can land dispose of the waste. [3745-270-06] Yes__ No☐ N/A_X_ RMK# __

12. Does the facility treat wastes that are otherwise prohibited from land disposal, in a surface impoundment? Y es__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 of 3745-270-07? [3745-270-07(A)(2)] Yes_X_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_X_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_X_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_X_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: Y es_X_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_X_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_X__No☐N/A__RMK# ___

REMARKS

USED OIL INSPECTION CHECKLIST (Short Version)

Fort Amanda Specialties LLC, Allen County, Lima

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

PROHIBITIONS

1.	Is used oil being managed in a surface impoundment or waste pile? If so:	Yes__No_x_ 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 _X_RMK#___
2.	Is used oil being used as a dust suppressant? [3745-279-12(B)]	Yes ❑ No _x___ 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 _x_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 _x_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 _x_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 _x_ 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 x___ 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 ❑x 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 _X_RMK#___
	b. Contained the release?	Yes ___ No ❑ N/A _x_RMK#___

c. Cleaned up and properly managed the used oil and other materials? Yes ___ No ❑ N/A _x_ RMK#___

d. Repaired or replaced the containers or tanks prior to returning them to service, if necessary? Yes ___ No ❑ N/A _x_ RMK#___

10. Does the generator burn used oil in used fired space heaters? [3745-279-23] If so: Yes___ No x 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 _x_ RMK#___

b. Is the heater designed to have a maximum capacity of not more that 0.5 million BTU per hour? Yes ___ No ❑ N/A _x_ RMK#___

c. Are the combustion gases from heater vented to the ambient air? Yes ___ No ❑ N/A _x_ 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 _x_ No ❑ N/A ___ RMK#___

USED OIL COLLECTION CENTERS AND AGGREGATION POINTS

12. Is the DIY used oil collection center in compliance with the generator standards in 3745-279-20 to 3745-279-24? [3745-279-30] Yes ___ No ❑ N/A _x_ RMK#___

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

14. Is the used oil aggregation point in compliance with the generator standards in 3745-279-20 to 3745-279-24? [3745-279-32] Yes ___ No ❑ N/A _x_ RMK#___

WASTE EVALUATION

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

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REMARKS

1. Two drums in the compressor building were not labeled as "Used Oil." FAS labeled the drums prior to Ohio EPA leaving the site to abate this violation.

SMALL QUANTITY UNIVERSAL WASTE HANDLER REQUIREMENTS - BATTERIES AND LAMPS

Fort Amanda Specialties, Allen County, Lima

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 x 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 x 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 x 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 x No ❑ N/A ___RMK#___

5. Does the SQUWH conduct any of the following activities:

   a. Sort batteries by type? — Yes x No___ N/A ___RMK#___

   b. Mix battery types in one container? — Yes___ No x N/A ___RMK#___

   c. Discharge batteries to remove the electric charge? — Yes___ No x N/A ___RMK#___

   d. Regenerated used batteries? — Yes___ No x N/A ___RMK#___

   e. Disassemble them into individual batteries or cells? — Yes___ No x N/A ___RMK#___

   f. Remove batteries from consumer products? — Yes___ No x N/A ___RMK#___

   g. Remove the electrolyte from the battery? — Yes___ No x 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 _x__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 x __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 x __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 __X_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 X__ 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 _x__ No ❑ N/A ___RMK#___

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 _X__ 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 X N/A ___RMK# 1__

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 x__ 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 X__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 _x_ 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 x__ 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 x__ 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 x__ 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 x__ 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 x__ 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 x__ 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 _x_ 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 _X_RMK#___

15. Is the material released characterized? [3745-273-17(B)] — Yes ___ No ❑ N/A x___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 x___RMK#___

OFF-SITE SHIPMENTS

NOTE: ***If a SQUWH self-transports 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 x__ 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 x__ 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 _x_ 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: Yes __ No ❑ N/A _x_RMK#___

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 x__ 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 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. The universal waste lamps were not labeled properly. However, FAS labeled the universal waste lamps properly while on the facility tour to abate this violation.