



State of Ohio Environmental Protection Agency

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November 1, 2010

Mr. Mike Jacobs
Yenkin-Majestic Paint Corp.
1920 Leonard Ave.
Columbus, OH 43219

Re: Yenkin-Majestic Paint Corp.
Franklin County, LQG OHD004282976

Dear Mr. Jacobs:

Thank you for your assistance during my inspection visits to your Columbus, Ohio facility on September 9 and 10, 2010. The purpose of the inspection was to review your facility's generation and management of hazardous waste and universal waste. Ohio's laws under Chapter 3745 of the Ohio Administrative Code and Chapter 3734 of the Ohio Revised Code establish a system for safe and responsible management of these wastes. This letter summarizes the inspection findings.

The following violations were noted:

1. **Container Accumulation Start Date Marking, OAC rule 3745-52-34(A)(2):** Containers of hazardous waste must be marked as with the accumulation start date.

The following containers lacked the required start date markings:

- 300-gallon tote containers for waste solvent in the resin plant. Contents were allowed to settle and some portion was reused after that; the rest was destined for transfer to Tank 115, a hazardous waste tank.
- A pallet of 26 5-gallon buckets of waste unusable stain (ignitable hazardous material) marked as "to be destroyed", located in a hall near the receiving dock area of the paint plant.
- Two blue steel 55-gallon drums of "dirty thinner" also in the hall near the receiving dock area of the paint plant.

Please ensure this problem is corrected, and send photos showing it has been done.

2. **Accumulation Container Marking, OAC rule 3745-52-34(A)(3):** Containers must be marked as "Hazardous Waste".

The following containers lacked the required marking as "hazardous waste":

- A 55-gallon drum of hazardous paint waste in the Development Lab;
- A 5-gallon bucket of hazardous paint/solvent in the Paint Plant QC Lab.

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

- 300-gallon tote containers for waste solvent in the resin plant
- A pallet of 26 5-gallon buckets of waste unusable stain (ignitable hazardous material) marked as "to be destroyed", located in a hall near the receiving dock area of the paint plant.
- Two blue steel 55-gallon drums of "dirty thinner" also in the hall near the receiving dock area of the paint plant.

Please ensure this problem is corrected, and send photos showing it has been done.

3. **Open Containers, OAC rule 3745-66-73(A):** Containers of hazardous waste must be kept closed when waste is not being added to them.

The following hazardous waste accumulation containers were not adequately closed:

- A tote container of hazardous waste spent solvent in the paint plant, which had a warped lid and missing gasket
- An unmarked drum of paint waste in the development lab which had an open funnel and drip tray in the large bung opening
- A drum of hazardous waste dirty water near the development lab which had an open funnel in the large bung opening

Please ensure this problem is corrected, and send photos showing it has been done.

4. **Universal Waste Lamp Container Management, OAC rule 3745-273-13(D)(1):** Waste lamps must be kept in structurally sound, closed, compatible containers to prevent breakage.

Numerous cartons of waste lamps in the maintenance area were open or not large enough to contain their contents. Over 100 additional waste lamp tubes were not being kept in containers, but were instead on an open rack and at risk of breakage.

Please ensure that all waste lamps are in properly sized, properly closed containers while they are being held for accumulation.

5. **Universal Waste Lamp Container Management, OAC rule 3745-273-14(E):** Containers of waste lamps must be marked as "waste lamps", "Used Lamps", or as "Universal Waste "Lamps".

The waste lamps (some of which were or were not even in containers) in the maintenance area, did not consistently have these proper markings.

Properly mark the boxes; please send a photo showing the correction of this problem and of Violation #4 above.

I also offer the following observations, comments and/or suggestions:

- A plate filter press process area in the resin plant had poor housekeeping and visible layer of liquid ignitable hazardous waste on the floor, around and under pumps, and in a sump beneath the unit. OAC Rule 3745-65-31 requires that a facility be operated in a manner to minimize the possibility of fire, explosion or any unplanned release of hazardous waste. Hazardous waste must not be allowed to evaporate, which would be considered an impermissible form of disposal. A small scoop shovel being used for removing the liquid

waste from this area, was not adequate for the purpose. Accumulated spills must be removed from secondary containment as soon as possible, and not allowed to evaporate or remain there indefinitely. Various structural or operational improvements to the waste generation and management processes in this area are needed, in order for the floor not to be considered a regulated hazardous waste accumulation unit (tank). Please take measures to address these concerns and advise me of their completion.

- The transition of environmental coordinator staff duties from Tony Montjoy to Mike Jacobs were still being accomplished in a time that exceeded the normal 6-month period mentioned in the hazardous waste rules. The contingency plan was being updated, and additional training was expected to be completed by November, 2010. As it is completed, please send a copy of updated pages of the contingency plan (or electronic pdf copy of the document) as well as a certification of completion of the 40-hour training when it is completed.
- Ohio EPA staff in our Office of Compliance Assistance and Pollution Prevention could be able to advise Yenkin-Majestic Paint regarding possible process alternatives or substitutions to reduce the use and generation of your hazardous waste. Feel free to contact them separately if desired for this.

I look forward to receiving *the requested compliance follow-up information* from you within **30 days**. Should you have any questions, please feel free to call me at (614) 728-3885.

Sincerely,



J. David Hohmann
Environmental Specialist
Division of Hazardous Waste Management
Central District Office

c: CDO File

JDH/nsm Yenkin Majestic NOV 2010

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



LARGE QUANTITY GENERATOR REQUIREMENTS

COMPLETE AND ATTACH A PROCESS DESCRIPTION SUMMARY

LQG: = 1,000 Kg. (~300 gallons) of waste in a calendar month

Safety Equipment Used: Hard hat, safety glasses, safety boots

GENERAL REQUIREMENTS

1.	Have all wastes generated at the facility been adequately evaluated? [3745-52-11] <i>Comment: an extra waste code, D008, was being applied to hazardous waste solvent being shipped to Veolia (but not to the same waste stream as it was being shipped to Systech/Univar). Lead had been removed from the waste production process about 4 years earlier. Yenkin-Majestic fixed the discrepancy by updating the profile with Veolia on 9/24/10. This over-designation did not represent a potential for mismanagement of the waste, so a violation was not cited for the situation.</i>	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
2.	Are records of waste determination being kept for at least 3 years? [3745-52-40(C)]	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
3.	Has the generator obtained a U.S. EPA identification number? [3745-52-12]	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
4.	Were annual reports filed with Ohio EPA on or before March 1 st ? [3745-52-41(A)]	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
5.	Are annual reports kept on file for at least 3 years? [3745-52-40(B)]	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
6.	Has the generator transported or caused to be transported hazardous waste to other than a facility authorized to manage the hazardous waste? [ORC 3734.02(F)] <i>RMK: an unmanifested waste shipment in 2008, waste (a discrepancy involving waste water just over the limit for corrosive pH), still went to a facility authorized to take such waste.</i>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
7.	Has the generator disposed of hazardous waste on-site without a permit or at another facility other than a facility authorized to dispose of the hazardous waste? [ORC 3734.02(E)&(F)]	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>
8.	Does the generator accumulate hazardous waste?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
9.	Has the generator accumulated hazardous waste on-site in excess of 90 days without a permit or an extension from the director ORC §3734.02(E)&(F)?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>
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 <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
	b. Tank that meets 3745-66-90 to 3745-66-100 except 3745-66-97(C)? <i>RMK: Batches of corrosive waste water are occasionally treated by elementary neutralization.</i>	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
	c. Drip pads that meet 3745-69-40 to 3745-69-45?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
	d. Containment building that meets 3745-256-100 to 3745-256-102?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
11.	Does the generator export hazardous waste? If so: N/A	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>

MANIFEST REQUIREMENTS

12.	Have all hazardous wastes shipped off-site been accompanied by a manifest? (U.S. EPA Form 8700-22) [3745-52-20(A)(1)] <i>RMK: except as noted above, which was probably due to more precise pH instrumentation at the TSD facility.</i>	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
13.	Have items (1) through (20) of each manifest been completed? [3745-52-20(A)(1)] & [3745-52-27(A)]	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
14.	Does each manifest designate at least one facility which is permitted to handle the waste? [3745-52-20(B)]	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
15.	If the transporter was unable to deliver a shipment of hazardous waste to the designated facility, did the generator designate an alternate TSD facility or give the transporter instructions to return the waste? [3745-52-20(D)]	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
16.	Have manifests been signed by generator & initial transporter? [3745-52-23(A)(1),(2)]	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
17.	If the generator received a rejected load or residue and accumulated the waste on-site, did the generator sign item 18c or 20 of the manifest? [3745-52-34(M)]	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
18.	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)] <i>RMK: a system is in place to track for this.</i>	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>

19.	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 <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
20.	Are signed copies of all manifests and any exception reports being retained for at least three years? [3745-52-40]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
PERSONNEL TRAINING		
21.	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 <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
22.	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)]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
23.	Is the personnel training program directed by a person trained in hazardous waste management procedures? [3745-65-16(A)(2)]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
24.	Do new employees receive training within six months after the date of hire (or assignment to a new position)? [3745-65-16(B)] <i>Comment: Although Mike Jacobs was in the position of manager for this activity now, his predecessor remained employed under contract to assist with transition, ensuring continuity of the function. Mr. Jacobs is due to receive the rest of the training by November.</i>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
25.	Does the generator provide annual refresher training to employees? [3745-65-16(C)] <i>Comment: This was provided on a rolling basis and tracked by H.R. staff.</i>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
26.	Does the generator keep records and documentation of:	
	a. Job titles? [3745-65-16(D)(1)]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
	b. Job descriptions? [3745-65-16(D)(2)]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
	c. Type and amount of training given to each person? [3745-65-16(D)(3)]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
	d. Completed training or job experience required? [3745-65-16(D)(4)]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
27.	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 <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
CONTINGENCY PLAN		
28.	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 <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
29.	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 <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
	b. Arrangements with emergency authorities? [3745-65-52(C)]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
	c. A current list of names, addresses and telephone numbers (office + home) of all persons qualified to act as emergency coordinator? [3745-65-52(D)]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
	d. A list of all emergency equipment, including: location, a physical description and brief outline of capabilities? [3745-65-52(E)]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
	e. An evacuation plan for facility personnel where there is possibility that evacuation may be necessary? [3745-65-52(F)]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
30.	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 <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
31.	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 <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
32.	Is an emergency coordinator available at all times (on-site or on-call)? [3745-65-55]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
EMERGENCY PROCEDURES		
33.	Has there been a fire, explosion or release of hazardous waste or hazardous waste constituents since the last inspection? If so:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>
	a. Was the contingency plan implemented? [3745-65-51(B)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
	b. Did the facility follow the emergency procedures in 3745-65-56(A) through (H)?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>

c.	Did the facility submit a report to the Director within 15 days of the incident as required by 3745-65-56(I)?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
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		
34.	Is the facility operated to minimize the possibility of fire, explosion, or any unplanned release of hazardous waste? [3745-65-31] <i>RMK: Assumed to be so. However, poor housekeeping and ignitable liquid waste on the floor under the plate filter presses in the Resin Plant had the potential to release hazardous constituents to the air and/or pose a risk of fire.</i>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
35.	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 <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)] <i>RMK: A tank (400k gal.) on site holds firefighting water</i>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
36.	Is emergency equipment tested (inspected) as necessary to ensure its proper operation in time of emergency? [3745-65-33] <i>RMK: Booster pumps are tested 2 to 4 times per month.</i>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
37.	Are emergency equipment tests (inspections) recorded in a log or summary? [3745-65-33]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
38.	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 <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
39.	If there is only one employee on the premises, is there immediate access to a device (eg., 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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
40.	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"/>
41.	Has the generator attempted to familiarize emergency authorities with possible hazards and facility layouts? [3745-65-37(A)] <i>RMK: The Fire dept. is well versed on conditions here, I was told.</i>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
42.	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		
43.	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)] <i>RMK: Unmarked day-use toter tanks for waste solvents in the resin plant, and paint plant, exceeded this quantity and did not qualify as satellite accumulation areas/containers.</i>	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)] <i>RMK: Open funnels were noted on the following: a drum of paint waste in the development lab; a drum of hazardous waste dirty water near the development lab..</i>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>
f.	Containers are marked with words "Hazardous Waste" or other words identifying the contents? [3745-52-34(C)(1)(b)] <i>RMK: There was an unmarked hazardous paint waste accumulation drum in the Development Lab, and an unmarked 5-gallon bucket of hazardous paint/solvent in the Paint Plant QC Lab.</i>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>
44.	Is the generator accumulating hazardous waste(s) in excess of the amounts listed in the preceding question? If so:	Yes <input checked="" type="checkbox"/> No <input 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)] <i>RMK: Waste contents in steel tote containers was reportedly emptied into hazardous waste accumulation tanks on a daily basis, but they would not qualify as satellite accumulation units because they exceeded 55 gallons.</i>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
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 <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>

A 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 one area from different points of generation.

USE AND MANAGEMENT OF CONTAINERS IN <90 DAY ACCUMULATION AREAS

45.	Has the generator marked containers with the words "Hazardous Waste"? [3745-52-34(A)(3)] <i>RMK: 300-gallon tote containers for waste solvent in the resin plant were unmarked. In the paint plant they were marked as "HW Dirty Solvent" Central accumulation 55-gallon drums were all properly marked.</i>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>
46.	Is the accumulation date on each container? [3745-52-34(A)(2)] <i>RMK: tote containers in the resin plant lacked start date markings.</i>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>
47.	Are hazardous wastes stored in containers which are:	
a.	Closed (except when adding/removing wastes)? [3745-66-73(A)] <i>RMK: A tote container of "HW Dirty Solvent" (volatile, ignitable waste) in the paint plant had a gap around the lid which also lacked a gasket.</i>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>
b.	In good condition? [3745-66-71]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
c.	Compatible with wastes stored in them? [3745-66-72]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
d.	Handled in a manner which prevents rupture/leakage? [3745-66-73(B)]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
48.	Is the container accumulation areas(s) inspected weekly? [3745-66-74] <i>RMK: The central accumulation area is inspected on at least the required frequency. The tote containers were not being inspected</i>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
a.	Are inspections recorded in a log or summary? [3745-66-74] <i>RMK: An example of a better log was shared with the facility via a follow-up email.</i>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>

NOTE: "Week" means 7 consecutive days per ORC§1.44(A).

49.	Are containers of ignitable or reactive wastes located at least 50 feet (15 meters) from the facility's property line? [3745-66-76]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
50.	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 <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
51.	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 <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
52.	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 <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
53.	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)] <i>RMK: This remains undetermined. Info on closed tank(s) was requested if available, but none was received. The tank removed had been demolished and scrapped, and a new building constructed in that location.</i>	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>

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

54.	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)] <i>RMK: Drums are labeled for shipping, and bulk waste is shipped via tanker trailers.</i>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
55.	Does each container ≤119 gallons have a completed hazardous waste label? [3745-52-32(B)]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
56.	Before off-site transportation, does the generator placard or offer the appropriate DOT placards to the initial transporter? [3745-52-33]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>

LQG TANK SYSTEM REQUIREMENTS

(OAC rules 3745-52-34(A) and 3745-66-90 thru 3745-66-100)

RMK: Tank C-126 for Hazardous Waste Solvent (a/k/a dirty thinner waste) located in the mill room inside the Paint Plant, and Tank #115 located in the Resin Plant, are each subject to these requirements.

Tank #115 was made of steel, with a 7,000 gallon capacity and a cone bottom, situated in a concrete diked containment area. It had a high level alarm, flame arrestor, and conservation vent. The containment surface coating and joint seals appeared to be in good condition at the time of my inspection.

Tank # C-126 was also made of steel, with a 5,000 gallon capacity, in a concrete diked containment area. It had a high level alarm. Safety equipment on the unit is inspected weekly, I was told (in addition to daily visual inspections of the tank and containment).

1.	Is each tank clearly labeled / marked with the words "Hazardous Waste?" [3745-52-34(A)(3)]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
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TANK SYSTEM - GENERAL OPERATING REQUIREMENTS

2.	Does the owner/operator 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 <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
	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 <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
	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 <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>

TANK SYSTEM - INSPECTION REQUIREMENTS

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

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

4.	For tank systems using leak detection systems to alert facility personnel to leaks or implementing established workplace practices to ensure leaks are promptly identified, has the o/o documented: [3745-66-95(C)] ((a.- d.= n/a)	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
5.	For ancillary equipment NOT provided with secondary containment, has the o/o documented inspections of such equipment each operating day? [3745-66-95(E)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
6.	Where applicable, did the o/o inspect the cathodic protection system to confirm proper operation within six months of initial installation and annually thereafter? [3745-66-95(F)(1)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
7.	Where applicable, did the o/o inspect all sources of impressed current at least bi-monthly? [3745-66-95(F)(2)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>

TANK SYSTEM CLOSURE REQUIREMENTS

8.	If the owner/operator has closed a <90 day tank, was closure completed in accordance with OAC 3745-66-97 (except for paragraph C)? RMK: Tank #114 had been decommissioned and removed and a new building was constructed in that location. This unit (most recently at least) had held <u>non-hazardous</u> wastewater. It was not clear at the time of my inspection if it had ever served as a regulated hazardous waste accumulation tank. No documentation of its closure process was available at the time of my inspection (perhaps N/A).	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
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TANK SYSTEMS STORING IGNITABLE OR REACTIVE WASTES

RMK: Ignitable waste is not treated. Reactive waste is not stored in tanks. Corrosive waste waters are generated and treated by elementary neutralization in tanks.

9.	For tanks used to treat or store ignitable or reactive wastes, has the owner/operator complied with one of the following: [3745-66-98(A)]		Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
	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 <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
	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 <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
	c.	The tank is used solely for emergencies? [3745-66-98(A)]	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
10.	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 (2008)? [3745-66-98(B)]		Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
11.	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 <input type="checkbox"/>	No <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>
	a.	If so, have the requirements of 3745-65-17(B) been met?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>

TANK SYSTEM – WASTE ANALYSIS REQUIREMENTS

12.	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 (A) or (B)] <i>RMK: N/A</i>		Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
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TANK SYSTEMS REQUIREMENTS

13.	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)] <i>RMK: The assessment for the tank(s) was reviewed in detail by CDO and CO Engineering staff, and deficiencies noted and corrected, after the 2005 hazardous waste compliance inspection. No changes to the tank systems had apparently been made since then.</i>		Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
14.	Does the written assessment include the following: [3745-66-92(A)]				
	a.	Certification by a qualified professional engineer? [3745-66-92(A)]	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
	b.	Consideration of the design standards of the system? [3745-66-92(A)]	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
	c.	Consideration of the hazardous characteristics of the waste(s)? [3745-66-92(A)]	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
	d.	An evaluation by a corrosion expert (only if the external system/ components are metal and in contact with soil or water)? [3745-66-92(A)]	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
	e.	A determination of design and operational measures that will be needed to protect the tank system from potential damage (only for underground tank components)? [3745-66-92(A)]	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
	f.	Design considerations to ensure that the tank foundations will maintain the load of a full tank? [3745-66-92(A)]	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
	g.	Design considerations for anchoring the unit to prevent floatation (only for tanks situated in a seismic fault zone or saturated zone)? [3745-66-92(A)]	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
	h.	Design considerations to ensure that the tank system will withstand the effects of frost heave (only for underground tank systems)? [3745-66-92(A)]	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
15.	Are there written statements by the persons who supervised installation or certified design of the new tank system, that the tank system was properly installed & designed and that required repairs were performed? [3745-66-92(G)]		Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
	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 <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
	b.	Statement that deficiencies were corrected before the tank system was covered or put into use? [3745-66-92(B)]	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
	c.	Proper backfilling? [3745-66-92(C)]	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>

d.	Tightness test; if the tank system was found not to be tight, does the statement indicate that proper repairs were made? [3745-66-92(D)]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
e.	Proper support and protection of ancillary equipment? [3745-66-92(E)]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
f.	Supervision of the installation of field fabricated corrosion protection? [3745-66-92(F)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>

SECONDARY CONTAINMENT

16.	Has secondary containment been provided? [3745-66-93(A)] <i>RMK: The containment was an epoxy coated concrete diked area inside a building.</i>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
17.	Is secondary containment one of the following:	
a.	An External Liner ? [3745-66-93(E)(1)] If so,	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
i.	Is liner designed or operated to contain 100% of the capacity of the largest tank?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
ii.	Is liner designed and operated to prevent run-on and infiltration or the collection system has <u>excess</u> capacity to contain run-on and infiltration from a 25-year, 24-hour storm?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
iii.	Is the liner free of cracks and gaps?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
iv.	Does the liner completely surround the tank and cover all earth likely to be contacted by waste during a release?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
v.	Are chemically resistant water stops in place at all points? (<i>concrete liners only</i>)	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
vi.	Is there a compatible interior coating or lining to prevent migration of waste into the concrete? (<i>concrete liners only</i>)	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
b.	Vault System ? [3745-66-93(E)(2)] If so,	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>
c.	Double-Walled Tank ? [3745-66-93(E)(3)] If so,	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>
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 <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>

SECONDARY CONTAINMENT DESIGN/OPERATION/INSTALLATION

18.	Has each secondary containment system been designed, installed and operated to prevent <u>any</u> migration of wastes or liquid to the soil, groundwater, or surface water and is it capable of <u>detecting</u> and <u>collecting</u> releases and accumulated liquids? [3745-66-93(B)(1)&(2)]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
19.	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)(1)]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
b.	Placed on a foundation or base capable of providing support? [3745-66-93(C)(2)]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
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 <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
d.	Sloped or designed to drain and remove liquid resulting from leaks, spills or precipitation? [3745-66-93(C)(4)]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
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 <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>

ANCILLARY EQUIPMENT REQUIREMENTS

20.	Is ancillary equipment provided with secondary containment (such as double-walled piping, jacketing or a trench)?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
	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 <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
b.	Welded flanges, welded joints and/or welded connections that is inspected daily?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
c.	Sealless or magnetic coupling pumps and/or sealless valves?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
d.	Pressurized above ground piping systems with automatic shut-off devices	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>

	(e.g., excess flow check valves, flow metering shutdown and/or loss of pressure-actuated shut-off devices) that is inspected daily?	
TANK SYSTEMS FOUND TO BE LEAKING OR UNFIT FOR USE [OAC Rule 3745-66-96]		
21.	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 owner/operator:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>
<i>NOTE: If the tank is found to be unfit for use, inspector should explain why.</i>		
<i>RMK: remaining questions #22-26 were N/A</i>		

SMALL QUANTITY UNIVERSAL WASTE HANDLER REQUIREMENTS - BATTERIES AND LAMPS

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 <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/> |
| 2. | Did the SQUWH dilute or treat universal waste, except when responding to releases as provided in OAC rule 3745-273-17 or managing specific wastes as provided in OAC rule 3745-273-13? [3745-273-11(B)] | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/> |

WASTE MANAGEMENT AND LABELING/MARKING

UNIVERSAL WASTE BATTERIES – #3-7 = N/A, not in accumulation at time of inspection

- | | | |
|----|--|--|
| 7. | Are the batteries or containers of batteries labeled with the words "Universal Waste - Batteries" or "Waste Battery(ies)" or "Used Battery(ies)"? [3745-273-14(A)] | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> |
|----|--|--|

UNIVERSAL WASTE LAMPS

- | | | |
|-----|---|--|
| 8. | Does the SQUWH contain lamps in containers or packages that are structurally sound, adequate to prevent breakage, and 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 <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/> |
| 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 <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> |
| 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 <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/> |

ACCUMULATION TIME

- | | | |
|-----|--|--|
| 11. | Is the waste accumulated for less than one year? [3745-273-15(A)] | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> |
| | a. If not, is the waste accumulated over one year in order to facilitate proper recovery, treatment or disposal? [3745-273-15(B)] | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> |
| 12. | Is the handler able to demonstrate the length of time the universal waste has been accumulated? [3745-273-15(C)] If yes, describe below: <i>All universal waste in accumulation is shipped twice per year.</i> | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> |

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] <i>RMK: more training is likely needed due to problems noted at the time of the inspection.</i> | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> |
|-----|---|--|

RESPONSE TO RELEASES

- | | | |
|-----|---|--|
| 14. | Are releases of universal waste and other residues immediately contained? [3745-273-17(A)] <i>RMK: No evidence of releases or uncontained spills of universal waste was noted.</i> | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> |
| 15. | Is the material released characterized? [3745-273-17(B)] | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> |
| 16. | If the material released is a hazardous waste, was 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 OAC Chapter 3745-52) [3745-273-17(B)] | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> |

OFF-SITE SHIPMENTS

- | | | |
|-----|--|--|
| 17. | Are universal wastes sent to either another handler, destination facility or foreign destination? [3745-273-18(A)] | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> |
| 18. | Is the handler aware of DOT requirements for packaging and shipping? If no, make aware of 49 CFR 171-180. | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> |
| 19. | Prior to shipping universal waste off-site, does the originating handler ensure that the receiver agrees to receive the shipment? [3745-273-18(D)] | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> |

20.	Has the originating handler ever had an off-site shipment rejected by another handler or destination facility?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>
	a. If yes, did the originating handler receive the waste back or agree to where the shipment was sent? [3745-273-18(E)(2)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
21.	If a handler rejects a partial or full load from another handler, does the receiving handler contact the originating handler and discuss and do <u>one of the following</u> :	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
	a. Send the waste back to the originating handler or send the shipment to a destination facility (If both the originating and receiving handler agree)? [3745-273-18(F)(2)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
22.	If the handler received a shipment of hazardous waste that was not a universal waste, did the SQUWH immediately notify Ohio EPA? [3745-273-18(G)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
EXPORTS		
23.	Is waste being sent to a foreign destination? If so: N/A	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>

GENERATOR LDR CHECKLIST

DOES NOT APPLY TO CESQGS

GENERAL REQUIREMENTS

- | | | |
|----|--|--|
| 1. | If LDRs do not apply, does the generator have a statement that lists how the HW was generated, why LDRs don't apply and where the HW went? [3745-270-07(A)(7)] <i>RMK: elementary neutralization of corrosive-only wastewater prior to shipment to offsite permit-by-rule wastewater treatment facility.</i> | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> |
| 2. | Did the generator determine if the HW/soil must be treated to meet the LDR treatment standard prior to disposal? Generator knowledge or testing may be used. [3745-270-07(A)(1)] If not, | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> |
| a. | Did the generator send the waste to a permitted HW treatment facility? [3745-270-07(A)(1)] | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> |

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

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

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

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

NOTE: Written documentation of this determination is not required.

- | | | |
|------|--|--|
| 7. | Did the generator treat his HW /soil on-site to meet the LDR treatment standard? <i>NOTE: If "Yes" see question #16.</i> | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> |
| 8. | Did the generator send a one-time LDR notification form to the TSD with the first shipment to that facility? [3745-270-07(A)(2)] | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> |
| a. | If the generator chose not to make the determination of whether his waste must be treated, did he send a notice to the TSD facility with each shipment? [3745-270-07(A)(2)] If so, did the notice include: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> |
| i. | Applicable HW codes? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> |
| ii. | Manifest number of the first shipment to the TSD? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> |
| iii. | A statement that conveys that the HW may or may not be subject to the LDR treatment standards and the TSD must make that determination.?" | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> |
| 9. | Did the generator resubmit the LDR notification form to the TSD when the HW changed or the generator used a new TSD? [3745-270-07(A)(2)] | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> |
| 10. | Does the generator have a copy of the LDR notification form/notice on file? [3745-270-07(A)(2)] | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> |
| a. | Is the form/notice kept on file for three years after last HW shipped? [3745-270-07(A)(8)] | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> |

NOTIFICATION FORM



11.	Does the LDR Notification form contain the following information:		
a.	Manifest number of the first waste shipment to the TSD? [3745-270-07(A)(2)]	Yes	<input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
b.	Applicable waste codes (includes characteristic codes for a listed HW if applicable)? [3745-270-07(A)(2)]	Yes	<input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
c.	A statement that conveys that the HW is subject to LDRs and must be treated to meet LDR treatment requirements? [3745-270-07(A)(2)]	Yes	<input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
d.	A designation whether the HW is a wastewater or non-wastewater? [3745-270-07(A)(2)]	Yes	<input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
<i>A wastewater contains <1% by wt. total suspended solids(TSS) and <1% by wt. TOC. If you doubt the HW is a wastewater or non-wastewater, the HW can be tested using for example, Standard Methods (SM) 160.2 for TSS, SW-846 method 9060a for TOC.</i>			
e.	Designation of the waste subcategory when applicable? [3745-270-07(A)(2)]	Yes	<input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
<i>Subcategories are found on the LDR treatment standards table under the applicable waste code. Not all HWs have subcategories</i>			
f.	A listing of the underlying hazardous constituents (UHCs) for which a characteristic waste must be treated? [3745-270-07(A)(2)]	Yes	<input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
<i>Not required if the waste is high TOC D001 or the TSD tests its treatment residues for all UHCs.</i>			
g.	If the HW is F001-F005 or F039, did the generator note on the LDR form what solvents or constituents, respectively, the waste contains and must be treated for? [3745-270-07(A)(2)]	Yes	<input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
<i>Not required if the TSD tests its treatment residues for all UHCs.</i>			
PROHIBITED DILUTION			
12.	Is the HW treated by burning? If "No" go to #15.	Yes	<input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
13.	Is the HW a metal-bearing HW? <i>RMK: a waste code for lead did not apply.</i>	Yes	<input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>
14.	a. Metal-bearing HWs cannot be incinerated, combusted or, blended and burned for fuel unless <u>one</u> of the following conditions apply. [3745-270-03(c)]		
	i. Contains > 1% TOC?	Yes	<input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
	ii. Contains organic constituents or cyanide at levels greater than the UTS levels?	Yes	<input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
	iii. Is made up of combustible material e.g., paper, wood, plastic?	Yes	<input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
	iv. Has a reasonable heating value (e.g., > 5000 Btu)?	Yes	<input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
	v. Co-generated with a HW that must be combusted?	Yes	<input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
	b. If all responses to 14 a.i. through 14 a.v. are "No", HW is being improperly treated by dilution, violation of 3745-270-03(C). Is HW being treated by dilution?	Yes	<input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>
15.	Was the HW treated by wastewater treatment? <i>RMK: Corrosive waste water treated by elementary neutralization, then shipped to offsite wastewater treatment facility.</i>	Yes	<input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
a.	Is a LDR treatment method, other than DEACT or a numerical value, specified for the waste? [3745-270-03(B) and 3745-270-40(A)(3)]	Yes	<input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>
b.	Does the waste carry the D001 code <u>and</u> contain $\geq 10\%$ TOC?	Yes	<input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>
c.	Does the wastewater treatment process include a process to separate/recover the organic phase of the waste?	Yes	<input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
<i>If the answers to b & c are "yes" and "no", respectively, waste is improperly being treated by dilution and generator is in violation of [3745-270-03(B)] and 3745-270-40(A)(3)].</i>			
GENERATOR TREATMENT			
16.	Does the generator treat to meet LDRs on-site?	Yes	<input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>
	Did the generator treat his hazardous waste/soil on-site in a tank, container, drip pad or containment building <u>to meet</u> the LDR treatment standard?	Yes	<input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>

If "Yes"...complete the rest of the checklist. If "No"...stop...you are done.

a.	Does the generator have a written waste analysis plan (WAP) that describes the procedures he will follow to treat the HW/soil to the LDR treatment standard? [3745-270-07(A)(5)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
b.	Did the generator use a detailed chemical and physical analysis of the HW/soil in order to develop the WAP? [3745-270-07(A)(5)(a)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
c.	Does the WAP contain all information necessary to treat the HW/soil to the LDR treatment standard? [3745-270-07(A)(5)(a)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
d.	Does the WAP include the testing frequency of the treated HW/soil to demonstrate that the LDR treatment standard is being met? [3745-270-07(A)(5)(a)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
e.	Does the generator keep the WAP on-site? [3745-270-07(A)(5)(b)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
f.	Is the WAP available for the inspector's review during the inspection? [3745-270-07(A)(5)(b)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>

NOTIFICATION FORM FOR GENERATOR TREATMENT

17.	a.	Contains all information in #11 a-g above and	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
	b.	If the treated HW/soil is listed.....notification contains the following certification statement: "I certify under penalty of law that I personally have examined and am familiar with the waste, through analysis and testing or through knowledge of the waste, to support this certification that the waste complies with the treatment standards specified in rule 3745-270-40 to 3745-270-49 of the Administrative Code. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
	c.	If the treated HW/soil no longer exhibits a characteristic and is no longer a HW, did the generator:	
	i.	Prepare a one-time notification? [3745-270-09 (D)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
	ii.	Maintain a copy of the notice onsite? [3745-270-09(D)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
	iii.	Include in the notification: [3745-270-09(D)]	
		1. Name & address of receiving landfill?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
		2. Description of HW when generated?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
		3. HW code when generated?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
		4. Treatability group when generated?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
		5. Underlying hazardous constituents present when generated?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
	iv.	Contain the certification statement as required by 3745-270-07(B)(4)?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>