



State of Ohio Environmental Protection Agency

File  
047  
031

Southwest District

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Ted Strickland, Governor  
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Chris Korleski, Director

February 9, 2007

Mr. Aaron L. Smith  
Safety, Health and Environmental Affairs Manager  
DuPont Electronic Polymers L.P.  
1515 Nicholas Road  
Dayton, Ohio 45418

**Re: DuPont Electronic Polymers L.P.; Hazardous Waste; Montgomery County;  
OHD 004 855 292; 05-57-0433; TSDF/LQG**

Dear Mr. Smith:

On January 29, 2007 and February 2, 2007 Ohio EPA conducted a compliance evaluation of the DuPont Electronic Polymers L.P. (DPEP) facility in Dayton, Ohio to determine your compliance with Ohio's hazardous waste laws and regulations as found under the Ohio Revised Code (ORC) and the Ohio Administrative Code (OAC) and DPEP's Ohio Hazardous Waste Installation and Operation permit issued April 21, 2004. Thomas Rutledge and you represented DPEP, and I represented Ohio EPA. Ohio EPA's inspection included an inspection of facility operations and a review of written documentation and records. However, compliance with rules and the conditions addressing groundwater and financial requirements were not assessed during this inspection. 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.

### **Notice of Violation**

Based on this inspection, Ohio EPA has determined that DPEP has violated the following state hazardous waste regulations and conditions of its Ohio Hazardous Waste Installation and Operation permit. Any violation incurred is also a violation of Condition A.5 *Duty to Comply* of DPEP's permit. Additionally, all violations of DPEP's permit are also violations of ORC 3734.11 (B), which states, "No person who holds a permit or license issued under this chapter shall violate any of the terms and conditions of the permit or license."

Mr. Aaron L. Smith  
DuPont Electronic Polymers L.P.  
February 9, 2007  
Page 2

(1) **Personnel Training, Condition B.6**  
**OAC Rule 3745-54-16**  
**OAC Rule 3745-54-16(C), Personnel training:**

Facility personnel must take part in an annual review of the initial training required in paragraph (A) of OAC Rule 3745-54-16.

A review of your 2006 training records indicates that Edward Fry failed to obtain the required annual refresher in calendar year 2006. By failing to have all personnel take part in an annual refresher of the initial training, DPEP is in violation of OAC 3745-54-16(C) and Condition B.6 of its permit.

→ To return to compliance, DPEP must immediately provide the required annual refresher training to Edward Fry and maintain documentation which indicates the training has been given and completed. Please submit documentation which demonstrates the required training has been provided, and the above violation has been abated.

(2) **General Requirements for Land Disposal Restrictions, Condition B.40**  
**OAC Chapter 3745-270**  
**OAC 3745-270-50 (A)(2)(a), Prohibitions on storage of restricted wastes:**

The Land Disposal Restriction rules require each container of hazardous waste be clearly marked with a description of its contents and the start date each period of accumulation began.

Within the DPEP permitted hazardous waste storage area there was one drum of hazardous waste, Drum #9574, which was not marked with the accumulation start date. By failing to mark each container of hazardous waste with the accumulation start date, DPEP is in violation of OAC 3745-270-50 (A)(2)(a). By failing to comply with the Land Disposal Restriction rules, DPEP is in violation of Condition B.40 of its permit.

→ DPEP must immediately label the container of hazardous waste indicating its accumulation start date, and ensure that all containers of hazardous waste are properly labeled. During the inspection, DPEP properly labeled the container of hazardous waste with the appropriate accumulation start date. The actions performed by DPEP during the inspection abate the above violation; no further action is required.

Mr. Aaron L. Smith  
DuPont Electronic Polymers L.P.  
February 9, 2007  
Page 3

**(3) OAC Rule 3745-66-95(A)(1)-(4), Inspections:**

The owner or operator must inspect at least once each operating day: overfill/spill control equipment to ensure that it is in good working order; the aboveground portions of the tank system to detect corrosion or releases of waste; data gathered from monitoring equipment and leak-detection equipment to ensure that the tank system is being operated according to its design; and the construction material 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.

On July 1, 2006, July 2, 2006, July 3, 2006, July 5, 2006 and July 6, 2006, DPEP failed to conduct and record the required daily inspections of hazardous waste tank T-66.

- To abate the above violations, DPEP must conduct the required daily inspections of the T-66 tank system. The results of the inspections must be documented in the operating record. Since July 7, 2006 DPEP has conducted the required daily inspection of tank T-66, and maintained records of said inspections. These actions demonstrate compliance with these regulations. No additional action is need to demonstrate compliance.

Please submit documentation demonstrating that Violation #1, cited above, has been abated to me at the Southwest District Office within 30 days of your receipt of this letter.

**Pollution Prevention**

As we discussed during the inspection, we encourage you to pursue continued use opportunities for your used solvent. As used solvent is your largest waste stream, this presents a very nice pollution prevention opportunity for DPEP. Some of the legal requirements to consider when exploring this option are the definition of waste and the requirements for recyclable materials, OAC 3745-51-02(E) and OAC 3745-51-06. The key issue in continued use situations is that the used solvent is not spent; it is still able to be legitimately and effectively used for its solvent properties, and therefore is not a waste, provided the used solvent is used again without reclamation or treatment. To find outlets for your solvent you may want to consider using Ohio's Material Exchange (OMEx). Additional information on OMEx can be found at [www.aor-omex.org/omex](http://www.aor-omex.org/omex). If you have further questions regarding the continued use of solvents or OMEx, please contact either myself or James Pellegrino with our Office of Compliance Assistance and Pollution Prevention. Mr. Pellegrino can be reached at (937) 285-6357.

Mr. Aaron L. Smith  
DuPont Electronic Polymers L.P.  
February 9, 2007  
Page 4

Again, please submit the documentation requested above, demonstrating that Violation #1 cited in this letter has been abated, to me at the Southwest District Office within 30 days of your receipt of this letter. Enclosed you will find a copy of the checklists completed during the inspection. You can also find copies of the rules and other information on the division's web page at [www.epa.state.oh.us/dhwm](http://www.epa.state.oh.us/dhwm). If you should have any questions, please feel free to call me at (937) 285-6081.

Sincerely,



Steven Roth, P.E.  
Environmental Specialist  
Division of Hazardous Waste Management

cc: Dinah Crawford, SWDO-DHWM/SWDO File, w/encl.

Enclosures

SR/plh

**NOTICE:**

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

## PROCESS, WASTE, P2 SUMMARY SHEET

**Facility Name:** DuPont Electronic Polymers LP **Facility Type:** LQG & TSD **Date of Inspection:** 01/29/2007 **EPA ID#:** OHD 004855292

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 Polymer production, processes and clean outs	Spent & Used Solvent (D001, F003)	208,249 lbs/months	None	Ross Incineration, OH Incineration  Continental Cement Co., MO (Green America Recycling LLC)- Energy Recovery	Some used solvent is sold for re-use.	Continue to seek legitimate re-use opportunities
2 Polymer production	Filtrate Water (D001, F003)	59,037 lbs/month	None	Ross Incineration, OH Incineration	None	None identified.
3 Laboratory and Production Processes and Cleanups	Solid Hazardous Waste (F003)	1,372 lbs/month	None	Ross Incineration, OH Incineration	None	None identified.
4 Polymer Production	Waste Ethyl Lactate Solution (D001)	426 lbs/month	None	Ross Incineration, OH Incineration	None	None identified.

5	Polymer Production	Waste Methane Sulfonyl Chloride (D002, D003)	21 lbs/month	None	Ross Incineration, OH Incineration	None	None identified.
6	Laboratory processes	Lab Pack (D001, D003, U147)	130 lbs/month	None	Ross Incineration, OH Incineration	None	None identified.
7	Maintenance	Used Oil	Varies	None	Safety Kleen	Off-site recycling	None identified.
8	Maintenance	Lamps	Varies	None	Safety Kleen	Off-site recycling	None identified.

## REMARKS-GENERAL INFORMATION

**General Process Information:** The DuPont Electronic Polymers L.P. facility sits on a 17 acre site at 1515 Nicholas Road in Dayton, Ohio. The facility is a micro-electronic and developmental production plant which manufactures polymers for the electronics industry. All production occurs in Building 20. The hazardous waste generated is mainly solvents from the production process.

**Regulatory/Enforcement History:** Last RCRA inspection was on January 19, 2006. No violations were cited.

**Additional P2 remarks and information:** None.

**Other:** DuPont Electronic Polymers L.P. maintains a hazardous waste permit for the on-site storage of hazardous waste. Ohio Hazardous Waste Facility Installation and Operation Permit Renewal issued on April 21, 2004.





## Table of Contents

GENERAL PERMIT COMPLIANCE AND ACTIVITIES .....	
PERMIT MODIFICATION, REVISION, REVOCATION .....	
SITE ENTRY - AVAILABILITY OF RECORDS .....	
RECORDKEEPING/OPERATING REQUIREMENTS .....	
OPERATING RECORD .....	
DOCUMENTS TO BE MAINTAINED AT FACILITY .....	
ANNUAL REPORT REQUIREMENT .....	
SAMPLING/MONITORING RECORDKEEPING REQUIREMENTS .....	
WASTE MINIMIZATION REQUIREMENTS .....	
WASTE ACCEPTANCE AND GENERATION .....	
OFF-SITE SHIPMENTS/MANIFEST REQUIREMENTS .....	
WASTE ANALYSIS/WASTE ANALYSIS PLAN .....	
GENERAL INSPECTION REQUIREMENTS .....	
SECURITY REQUIREMENTS .....	
FACILITY OPERATIONS .....	
PERSONNEL TRAINING .....	
REQUIRED EQUIPMENT .....	
CONTINGENCY PLAN - EMERGENCY PROCEDURES .....	
EMERGENCY COORDINATOR .....	
IMPLEMENTATION OF CONTINGENCY PLAN .....	
CLOSURE REQUIREMENTS .....	
STORAGE OF HAZARDOUS WASTES IN CONTAINERS .....	
CONDITION OF CONTAINERS .....	
INSPECTIONS .....	
CONTAINMENT SYSTEM .....	
AISLE SPACE .....	
LAND DISPOSAL RESTRICTION REQUIREMENTS .....	
CORRECTIVE ACTION .....	

**GENERAL PERMIT COMPLIANCE AND ACTIVITIES**

1. Has the expiration date of the permit passed? If so: Yes\_\_\_ No  N/A\_\_\_ RMK#\_\_\_
- a. Is the permittee continuing any activity regulated by the permit after the expiration date of the permit? Yes\_\_\_ No\_\_\_ N/A  RMK#\_\_\_
- b. Has the facility submitted an application for a permit renewal to the director no later than 180 days prior to the expiration date of the permit? [Condition A.6] Yes\_\_\_ No  N/A  RMK#\_\_\_
2. Has the permittee submitted the annual permit fee, payable to "Treasurer, State of Ohio," to Ohio EPA on or before the anniversary of the date of issuance during the term of the permit? [Condition A.25] Yes  No  N/A\_\_\_ RMK#\_\_\_
3. Is the permittee conducting any hazardous waste management activities (not otherwise exempt by law) which are not authorized by the permit? [Conditions A.1(b) and A.5] Yes  No  N/A\_\_\_ RMK#\_\_\_
4. Have any provisions of the permit been identified as invalid? [Condition A.4] Yes  No  N/A\_\_\_ RMK#\_\_\_
5. Has the facility identified any instances of noncompliance with the permit, ORC Chapter 3734. or the rules adopted thereunder, which may endanger human health or the environment? If so: Yes  No  N/A\_\_\_ RMK#\_\_\_
- a. Did the facility immediately report the following to Ohio EPA's Emergency Response Unit? [Condition A.20]
- i. Information concerning a release of any hazardous waste that may cause an endangerment to public drinking water supplies; and Yes\_\_\_ No  N/A  RMK#\_\_\_
- ii. Information concerning a release of hazardous waste, fire or explosion at the facility which could threaten human health or the environment outside the facility including a description of: Yes\_\_\_ No  N/A  RMK#\_\_\_

- A. Name, address and telephone number of the owner/operator? Yes\_\_\_ No  N/A  RMK#\_\_\_
- B. Name, address and telephone number of the facility? Yes\_\_\_ No  N/A  RMK#\_\_\_
- C. Name and quantity of material(s) involved? Yes\_\_\_ No  N/A  RMK#\_\_\_
- D. The extent of injuries, if any? Yes\_\_\_ No  N/A  RMK#\_\_\_
- E. An assessment of the actual or potential hazard to the environment and human health outside the facility? Yes\_\_\_ No  N/A  RMK#\_\_\_
- F. Estimated quantity and disposition of recovered material that resulted from the incident? Yes\_\_\_ No  N/A  RMK#\_\_\_

6. Did the permittee provide a written report to Ohio EPA's Emergency Response Unit and DHWM within five days of becoming aware of the circumstances reported in Questions No. 5? If so, did the report contain: [Condition A.21] Yes\_\_\_ No  N/A  RMK#\_\_\_
- a. A description of the noncompliance and its cause (including exact dates and times)? Yes\_\_\_ No  N/A  RMK#\_\_\_
- b. Whether the noncompliance has been corrected and if not, the anticipated time noncompliance is expected to continue? and Yes\_\_\_ No  N/A  RMK#\_\_\_
- c. Steps taken or planned to minimize the impact on the environment and to reduce, eliminate and prevent recurrence of the noncompliance? Yes\_\_\_ No  N/A  RMK#\_\_\_

**NOTE:** *The permittee need not comply with the five day written report requirement if the director, upon good cause shown by the permittee, waives that requirement and the permittee submits a written report within 15 days of the time the permittee became aware of the circumstances. [Condition A.21].*

7. Has the permittee identified other instances of noncompliance not provided for in Condition A.22, if so: Yes\_\_\_ No  N/A  RMK#\_\_\_

a. Did the permittee report these instances to Ohio EPA, DHWM? [Condition A.22]? Yes\_\_\_ No N/A  RMK#\_\_\_

b. Do the reports provided contain the information set forth in Condition A.20? [Condition A.20] Yes\_\_\_ No N/A  RMK#\_\_\_

c. Has the permittee taken all steps necessary to minimize releases to the environment or prevent any adverse impact on human health or the environment? [Condition A.8] Yes\_\_\_ No N/A  RMK#\_\_\_

8. Has the permittee planned any changes in the permitted facility or activity which may result in noncompliance with the conditions of the permit?: Yes\_\_\_ No N/A\_\_\_ RMK#\_\_\_

a. If so, has the facility provided Ohio EPA with advance notice of such changes? [Condition A.17] Yes\_\_\_ No N/A  RMK#\_\_\_

**NOTE:** Such notification does not waive the permittee's duty to comply with the permit. [Condition A.17]

9. Has the permittee become aware that it failed to submit any relevant facts in the permit or issuance proceedings or that it submitted incorrect or incomplete information in permit issuance proceedings or other submissions to Ohio EPA or the Hazardous Waste Facility Board (HWFB)? If so: Yes\_\_\_ No N/A\_\_\_ RMK#\_\_\_

a. Has the permittee properly submitted such facts or corrected information to the appropriate entity? [Condition A.24] Yes\_\_\_ No N/A  RMK#\_\_\_

**PERMIT MODIFICATION, REVISION, REVOCATION**

10. Has the permittee filed a request for a permit modification, revision or revocation since permit issuance? [Condition A.2] Yes No\_\_\_ N/A\_\_\_ RMK#\_\_\_

11. Has the permit, been transferred to a new owner/operator? If so: Yes\_\_\_ No N/A\_\_\_ RMK#\_\_\_

a. Has the transfer been conducted in accordance with ORC Chapter 3734. and the rules adopted thereunder which includes the permittee notifying the new owner in writing of the requirements of ORC Chapter 3734. and the rules adopted thereunder and the applicable Ohio hazardous waste rules before transferring ownership? [Condition A.18]

Yes \_\_\_ No  N/A  RMK# \_\_\_

12. Has the permittee submitted reports in any compliance schedule of the permit to Ohio EPA no later than 14 days following each scheduled date, unless otherwise specified? [Condition A.19]

Yes  No  N/A \_\_\_ RMK# \_\_\_

13. Has the permittee furnished relevant information which Ohio EPA has requested to determine whether cause exists for modifying, revising, revoking or suspending the permit, to determine compliance with the permit? [Condition A.10]

Yes  No  N/A \_\_\_ RMK# \_\_\_

14. Has the facility furnished Ohio EPA, upon request, with copies of records required to be kept by the permit? [Condition A.10]

Yes  No  N/A \_\_\_ RMK# \_\_\_

15. Is the permittee maintaining records of all data used to complete the application and any amendments, revisions or modifications to the application? [Condition A.14(c)]

Yes  No  N/A \_\_\_ RMK# \_\_\_

16. Is the permittee retaining a complete copy of the approved application on-site? [Condition A.14(c)]

Yes  No  N/A \_\_\_ RMK# \_\_\_

17. Is the permittee planning any physical alterations or additions to any permitted portions of the facility? If so:

Yes \_\_\_ No  N/A \_\_\_ RMK# \_\_\_

a. Has the permittee given notice to the director of such alterations/additions? [Condition A.15]

Yes \_\_\_ No  N/A  RMK# \_\_\_

**REMARKS**

None.

**SITE ENTRY - AVAILABILITY OF RECORDS**

18. As specified in Condition A.11, has the permittee allowed the director or an authorized representative, upon proper identification to:

- a. Enter at reasonable times upon the premises where a regulated activity is located or where records are kept under the conditions of the permit? Yes  No  N/A \_\_\_ RMK# \_\_\_
- b. Have access to and copy, at reasonable times, any records required to be kept under the conditions of the permit? Yes  No  N/A \_\_\_ RMK# \_\_\_
- c. Inspect, at any time, facilities, equipment (including control and monitoring equipment), practices or other operations regulated under the conditions of the permit? Yes  No  N/A \_\_\_ RMK# \_\_\_
- d. Sample, document, photograph or monitor, at reasonable times, any substances or parameter at the location of the facility to assure compliance with the permit or as otherwise authorized by ORC Chapter 3734. and the rules adopted thereunder? Yes  No  N/A \_\_\_ RMK# \_\_\_

**REMARKS**

None.

**RECORDKEEPING/OPERATING REQUIREMENTS**

**OPERATING RECORD**

1. In accordance with OAC rules 3745-54-73 and 3745-54-74 and Condition B.22 of the permit, does the permittee maintain an Operating Record which contains the following information:

- a. A description of the quantity of each hazardous waste and the method(s) and date(s) of its treatment or storage? Yes  No  N/A \_\_\_ RMK# \_\_\_
- b. The location of each hazardous waste and quantity at each location including cross-reference to specific manifest numbers? Yes  No  N/A \_\_\_ RMK# \_\_\_

- c. Records and results of required waste analysis? Yes  No  N/A \_\_\_ RMK# \_\_\_
- d. Summary reports and details of all incidents that required implementation of the contingency plan? Yes \_\_\_ No  N/A  RMK# \_\_\_
- e. Records and results of required inspections? Yes  No  N/A \_\_\_ RMK# \_\_\_
- f. Documents required to be maintained by LDR requirements of OAC Chapter 3745-270? Yes  No \_\_\_ N/A \_\_\_ RMK# \_\_\_
- g. Monitoring, testing, or analytical data, and corrective action where required, from groundwater monitoring and required monitoring of surface impoundments, landfills, waste piles and land treatment units? [3745-54-73(B)(6)] Yes  No  N/A \_\_\_ RMK# \_\_\_

#### DOCUMENTS TO BE MAINTAINED AT FACILITY

2. In accordance with Condition A.28 of the permit, is the permittee maintaining the following documents at the facility:
- a. Waste analysis plan in accordance with OAC rule 3745-54-13? Yes  No  N/A \_\_\_ RMK# \_\_\_
- b. Contingency plan in accordance with OAC rule 3745-54-53? Yes  No  N/A \_\_\_ RMK# \_\_\_
- c. Closure plan in accordance with OAC rule 3745-55-12? Yes  No  N/A \_\_\_ RMK# \_\_\_
- d. Cost estimate for facility closure in accordance with OAC rule 3745-55-42? (Estimate only - adequacy will be evaluated by CO financial assurance personnel) [Condition B.36] Yes  No  N/A \_\_\_ RMK# \_\_\_
- e. Personnel training plan and records required by OAC rule 3745-54-16? [Condition B.6] Yes  No  N/A \_\_\_ RMK# \_\_\_

f. Inspection schedules developed in accordance with OAC rules 3745-54-15, 3745-55-74 and 3745-55-95? [Condition B.5] Yes  No  N/A  RMK#

g. Operating record in accordance with OAC rule 3745-54-73? [Condition B.22] Yes  No  N/A  RMK#

h. Post-closure plan, as required by OAC rule 3745-55-18(A)? [Condition A.28(a)(viii)] Yes  No  N/A  RMK#

i. Annually-adjusted cost estimate for facility closure and post-closure, as required by OAC rules 3745-55-42 and 3745-55-44? [Condition A.28(a)(ix)] Yes  No  N/A  RMK#

3. Is the permittee maintaining copies of all inspection logs at the facility for a period of at least three years from date of inspection? [Condition B.5] Yes  No  N/A  RMK#

4. Have any of the documents in Question No. 2 been revised? [Condition A.15] If so: Yes  No  N/A  RMK#

a. Has the permittee submitted the revisions to Ohio EPA in accordance with OAC rule 3745-50-51? Yes  No  N/A  RMK#

b. Have all requirements of OAC rule 3745-50-51 been met, including, where required, Ohio EPA approval? Yes  No  N/A  RMK#

### ANNUAL REPORT REQUIREMENT

5. Is the permittee complying with annual report requirements set forth in OAC rule 3745-54-75 and the additional report requirements set forth in OAC rule 3745-54-77? [Condition B.25] Yes  No  N/A  RMK#

### SAMPLING/MONITORING RECORDKEEPING REQUIREMENTS

6. In compliance with Condition A.12 of the permit, do the permittee's records of monitoring information specify the:  
a. Date(s), exact place(s), time(s) and method(s) of sampling or measurement? Yes  No  N/A  RMK#

- b. Individual(s) who performed the sampling or measurement? Yes  No  N/A \_\_\_ RMK# \_\_\_
- c. Date(s) analyses were performed? Yes  No  N/A \_\_\_ RMK# \_\_\_
- d. Individual(s) who performed the analyses? Yes  No  N/A \_\_\_ RMK# \_\_\_
- e. Analytical technique(s) or method(s) used? Yes  No  N/A \_\_\_ RMK# \_\_\_
- f. Results of such analyses? Yes  No  N/A \_\_\_ RMK# \_\_\_
7. Have the methods used to obtain a representative sample of the waste to be analyzed included the appropriate SW-846 method or an equivalent method specified in the approved waste analysis plan? [Condition A.12] Yes  No  N/A \_\_\_ RMK# \_\_\_
8. In accordance with Condition A.14 of the permit, is the permittee retaining records of monitoring information as required by the permit for at least three years from the date of sampling, including:
- a. All calibration and maintenance records. Yes  No  N/A \_\_\_ RMK# \_\_\_
9. Has Ohio EPA requested submittal of any reports or other information from the permittee? If so: Yes \_\_\_ No  N/A \_\_\_ RMK# \_\_\_
- a. Have the submittals been signed and certified according to OAC rule 3745-50-42? [Condition A.13] Yes \_\_\_ No  N/A  RMK# \_\_\_

**REMARKS**

None.

**WASTE MINIMIZATION REQUIREMENTS**

1. Does the permittee certify at least once every year that a program is in place to reduce the volume and toxicity of hazardous waste generated in accordance with Condition A.29(a) and OAC rule 3745-54-73? Yes  No  N/A \_\_\_ RMK# \_\_\_

2. Did the permittee submit the waste minimization report to Ohio EPA, Office of Pollution Prevention and Southwest District Office within 180 days of journalization of this permit? and updates biennially thereafter? [Condition A.29(b)] Yes  No \_\_\_ N/A \_\_\_ RMK# \_\_\_

3. Has the permittee reduced the amount of waste (hazardous waste, solid waste, air emission, waste water discharges, etc.) this year generated at their facility by implementing pollution prevention/waste minimization? Yes  No \_\_\_ N/A \_\_\_ RMK# 3

If so, what amount of waste has the permittee reduced this year? Confidential

4. Has the permittee's company saved much money this year by implementing pollution prevention (reducing raw material usage, disposal fees, energy savings, etc.)? Yes  No \_\_\_ N/A \_\_\_ RMK# \_\_\_

If so, how much money has the permittee's company saved this year? Confidential

**REMARKS**

RMK# 3) DPEP is selling solvent for re-use.

**WASTE ACCEPTANCE AND GENERATION**

1. Is the permittee storing any containers of hazardous waste received from any off-site source that permittee is not permitted to store? [Condition A.1.] Yes  No  N/A \_\_\_ RMK# \_\_\_

2. Has the permittee arranged to receive hazardous waste from a foreign or off-site source that the permittee is not permitted to store? [Condition A.1.] Yes  No  N/A \_\_\_ RMK# \_\_\_

**REMARKS**

None.

**OFF-SITE SHIPMENTS/MANIFEST REQUIREMENTS**

1. Is the permittee complying with the following manifest requirements set forth in OAC Chapter 3745-52 and OAC rules 3745-54-70, 3745-54-71, 3745-54-72 and 3745-54-76: [Condition B.24]
- a. All hazardous wastes shipped off-site have been accompanied by a completed manifest, U.S. EPA Form 8700-22 and, if necessary, U.S. EPA Form 8700-22A in compliance with OAC rule 3745-52-20(A)? Yes  No  N/A  RMK#
- b. The manifest form used contains all information required by OAC rule 3745-52-20 and the minimum number of copies required by OAC rule 3745-52-22? Yes  No  N/A  RMK#
- c. The permittee has designated at least one permitted disposal facility and has/will designate an alternate facility or instructions to return waste in compliance with OAC rule 3745-52-20(B)(C)(D)? Yes  No  N/A  RMK#
- d. Prepared manifests have been signed by the permittee and initial transporter in compliance with OAC rule 3745-52-23? Yes  No  N/A  RMK#
2. As a permittee that generates hazardous waste, are signed copies of all hazardous waste manifests and any documentation required for exception reports retained for at least three years at the facility as required by OAC rules 3745-52-40 and 3745-54-71(A)(5)? Yes  No  N/A  RMK#
3. Does the permittee use only properly registered transporters when removing hazardous wastes? [Condition A.16] Yes  No  N/A  RMK#
4. Does the permittee give one copy of the manifest to the transporter, send one copy to the generator within 30 days, and keep one copy for at least three years? [3745-54-71(A)] Yes  No  N/A  RMK#
- a. If shipping papers are used in lieu of manifests (bulk shipments, etc.), are the same requirements met? [3745-54-71(B)] Yes  No  N/A  RMK#

b. Are any significant discrepancies in the manifest, as defined in 3745-54-72(A) noted in writing on the manifest document?

Yes  No  N/A \_\_\_ RMK# \_\_\_

5. Have any manifest discrepancies been reconciled within 15 days as required by 3745-54-72(B)? If not:

Yes  No  N/A \_\_\_ RMK# \_\_\_

a. Has the owner/operator submitted the required information to the director?

Yes \_\_\_ No  N/A  RMK# \_\_\_

### REMARKS

None.

### WASTE ANALYSIS/WASTE ANALYSIS PLAN

1. Does the permittee have a detailed chemical and physical analysis of waste streams which contains all information of the waste in accordance with OAC Chapters 3745-54 to 3745-57, 3745-218 and 3745-270 and the terms and conditions of the permit? [Condition B.3(a)]

Yes  No  N/A \_\_\_ RMK# \_\_\_

2. Does the permittee follow the procedures described in the WAP (Application Section 2)? [Condition B.3(b)]

Yes  No  N/A \_\_\_ RMK# \_\_\_

3. In accordance with OAC rule 3745-54-13(A)(3), does the permittee repeat the waste analysis when the process or operation generating the hazardous waste has changed, or at least annually? [Condition B.3]

Yes  No  N/A \_\_\_ RMK# \_\_\_

4. **Where applicable:** The methods which will be used to meet additional waste analysis requirements for specific waste management methods specified in rules 3745-54-17, 3745-57-14, 3745-57-41 and 3745-270-07 of the OAC? [3745-54-13(B)(6)]

Yes \_\_\_ No  N/A  RMK# \_\_\_

5. Does the permittee place the results of all waste analyses in the facility operating record in accordance with OAC rule 3745-54-73?

Yes  No  N/A \_\_\_ RMK# \_\_\_

### REMARKS

None.

**GENERAL INSPECTION REQUIREMENTS**

- 1. Is the permittee following the inspection procedures and schedules as set forth in the permit (Section 4 of the approved Part B permit application) and the requirements of OAC rules 3745-54-15(A), (c) and (D)? [Condition B.5] Yes  No  N/A \_\_\_ RMK# \_\_\_
  
- 2. Is the permittee following the approved inspection schedule for inspecting: monitoring equipment, safety equipment, emergency equipment, security devices and operating and structural equipment as specified in OAC rule 3745-54-15(B)? Yes  No  N/A \_\_\_ RMK# \_\_\_
  - a. Is the schedule kept at the facility? [OAC rule 3745-54-15(B)(2)] Yes  No  N/A \_\_\_ RMK# \_\_\_
  
- 3. Does the permittee remedy deterioration or any malfunctions discovered by an inspection as required by OAC rule 3745-54-15(c)? [Condition B.5] Yes  No  N/A \_\_\_ RMK# \_\_\_
  
- 4. In accordance with OAC rule 3745-54-15(D) and Condition B.5 of the permit, do inspection records contain the following information:
  - a. Date and time of inspection? Yes  No  N/A \_\_\_ RMK# \_\_\_
  - b. Name of inspector? Yes  No  N/A \_\_\_ RMK# \_\_\_
  - c. Notation of observations made? Yes  No  N/A \_\_\_ RMK# \_\_\_
  - d. Date and nature of any repairs or other remedial actions? Yes  No  N/A \_\_\_ RMK# \_\_\_
  
- 5. Is the permittee maintaining records of inspections for a minimum of three years? [Condition B.5] Yes  No  N/A \_\_\_ RMK# \_\_\_

**REMARKS**

None.

## SECURITY REQUIREMENTS

1. Is the permittee complying with the following security provisions of OAC rule 3745-54-14 and Condition B.4 of the permit: [Section 4 of the Part B permit application]
- a. Does the permittee have a 24-hour surveillance system which continuously monitors and controls entry onto the active portion of the facility, or; Yes  No  N/A \_\_\_ RMK# \_\_\_
- b. An artificial or natural barrier (in good repair) which completely surrounds the active portion of the facility, and; Yes  No  N/A \_\_\_ RMK# \_\_\_
- c. A means to control entry, at all times, through gates or other entrances, to the active portion of the facility? Yes  No  N/A \_\_\_ RMK# \_\_\_
2. In accordance with OAC rule 3745-54-14(c), does the permittee have signs reading "Danger - Unauthorized Personnel Keep Out" posted at entrances of the hazardous waste container storage building number 25. Yes  No  N/A \_\_\_ RMK# \_\_\_

## FACILITY OPERATIONS

3. Is construction, maintenance and operation of the facility being conducted to minimize the possibility of a fire, explosion, or unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, ground or surface water? [OAC rule 3745-54-31; Condition B.1] Yes  No  N/A \_\_\_ RMK# \_\_\_
4. Does the permittee properly maintain and operate the facility to achieve compliance with the terms and conditions of the permit including: [Condition A.9]
- a. Effective management practices? Yes  No  N/A \_\_\_ RMK# \_\_\_
- b. Adequate funding? Yes  No  N/A \_\_\_ RMK# \_\_\_
- c. Adequate operator staffing and training? Yes  No  N/A \_\_\_ RMK# \_\_\_

d. Adequate laboratory and process controls?

Yes  No  N/A \_\_\_ RMK# \_\_\_

### REMARKS

None.

### PERSONNEL TRAINING

1. Is the permittee conducting personnel training in accordance with the conditions of the permit and with the following requirements of OAC rule 3745-54-16? [Condition B.6]

Yes  No  N/A \_\_\_ RMK# \_\_\_

a. The facility provides personnel training which includes instruction in safe equipment operation and emergency procedures and implementation of the contingency plan? [OAC rule 3745-54-16(A)(B)(c)]

Yes  No  N/A \_\_\_ RMK# \_\_\_

b. The facility provides personnel training to new employees within six months after their date of employment as required by OAC rule 3745-54-16(B)?

Yes  No  N/A \_\_\_ RMK# \_\_\_

c. The facility provides an annual refresher training course as required by OAC rule 3745-54-16(c)?

Yes \_\_\_ No  N/A \_\_\_ RMK# 1c

2. Is the permittee maintaining personnel training records as required by OAC rule 3745-54-16(D) and of the approved application, including: written job titles, job descriptions and documented employee training records? [Condition B.6]

Yes  No  N/A \_\_\_ RMK# \_\_\_

### REMARKS

RMK# 1c) DPEP employee, Edward Fry failed to obtain the required annual refresher in calendar year 2006.

**REQUIRED EQUIPMENT**

- 1. Has the permittee equipped the facility with the following emergency equipment as required by OAC rule 3745-54-32 and Condition B.9 of the permit:
  - a. An internal communications or alarm system? Yes  No  N/A \_\_\_ RMK# \_\_\_
  - b. A device such as a telephone which is capable of summoning emergency assistance from local emergency authorities? Yes  No  N/A \_\_\_ RMK# \_\_\_
  - c. Portable fire extinguishes and/or fire control equipment, spill control and decontamination equipment? Yes  No  N/A \_\_\_ RMK# \_\_\_
  - d. Water in adequate volume and pressure to supply water hose streams, foam producing equipment, automatic sprinklers or water spray systems? Yes  No  N/A \_\_\_ RMK# \_\_\_
  
- 2. Is the permittee inspecting, testing and maintaining the equipment specified in Question No. 1 to ensure its proper operating in accordance with OAC rule 3745-54-33 and Condition B.10 of the permit? Yes  No  N/A \_\_\_ RMK# \_\_\_
  
- 3. Whenever hazardous waste is being managed at the facility, has the permittee provided all personnel involved in the operation with immediate access to an internal alarm or emergency communication device as required by OAC rule 3745-54-34 and Condition B.11 of the permit? Yes  No  N/A \_\_\_ RMK# \_\_\_

**REMARKS**

None.

**CONTINGENCY PLAN - EMERGENCY PROCEDURES**

- 1. In compliance with Condition B.13 of the permit and OAC rule 3745-54-37(A) and (B), does the permittee:
  - a. Familiarize emergency response agencies with the layout of the facility, associated hazards, places where personnel will normally be working, entrances and possible evacuation routes? Yes  No  N/A \_\_\_ RMK# \_\_\_

b. Inform such agencies of safety equipment, supplies, proper emergency safety procedures that are applicable to the facility?

Yes  No  N/A \_\_\_ RMK# \_\_\_

c. Familiarize the local hospital listed in the approved application with the properties of hazardous waste handled at the facility and the types of injuries or illness that could result from fires, explosions or releases at the facility?

Yes  No  N/A \_\_\_ RMK# \_\_\_

2. Has a state or local agency declined to enter into the arrangements set forth in OAC rule 3745-54-37(A)? If so:

Yes \_\_\_ No  N/A \_\_\_ RMK# \_\_\_

a. Has the permittee documented the refusal in the operating record as required by OAC rule 3745-54-37(B)? [Condition B.13(b)]

Yes \_\_\_ No  N/A  RMK# \_\_\_

3. Has the permittee, in accordance with OAC rule 3745-54-53 submitted a copy of the approved contingency plan (including amendments, revisions or changes) to all local authorities, agencies and response contractors designated in the approved contingency plan? [Condition B.18(b)]

Yes  No  N/A \_\_\_ RMK# \_\_\_

4. Has the permittee notified all parties identified in the contingency plan in writing of significant amendments, modifications, or revisions to the plan within fifteen days of the effective date of the change in the plan? [Condition B.18(b)]

Yes  No  N/A \_\_\_ RMK# \_\_\_

5. Has the permittee submitted a copy of the approved contingency plan and all revisions, amendments and modifications to the Ohio EPA, Division of Emergency and Remedial Response (DERR) in accordance with OAC rule 3745-54-53? [Condition B.18(c)]

Yes  No  N/A \_\_\_ RMK# \_\_\_

6. Is the permittee reviewing the approved contingency plan at least annually and amending the plan immediately if needed in compliance with OAC rule 3745-54-54? [Condition B.17]

Yes  No  N/A \_\_\_ RMK# \_\_\_

**NOTE:** Also see Question No. 4 of Recordkeeping Requirements to verify that any changes to the contingency plan were submitted in accordance with OAC rule 3745-50-51.

**EMERGENCY COORDINATOR**

- 7. In accordance with OAC rule 3745-54-55 and Condition B.19 of the permit, is an emergency coordinator on premises or on call at all times? Yes  No  N/A \_\_\_ RMK# \_\_\_
  
- 8. In accordance with OAC rule 3745-54-55 and Condition B.19 of the permit, is/are the emergency coordinator(s) at the facility familiar with the following:
  - a. Contingency plan? Yes  No  N/A \_\_\_ RMK# \_\_\_
  
  - b. Facility operations/activities? Yes  No  N/A \_\_\_ RMK# \_\_\_
  
  - c. Waste characterization and location? Yes  No  N/A \_\_\_ RMK# \_\_\_
  
  - d. Location of all records in the facility? Yes  No  N/A \_\_\_ RMK# \_\_\_
  
  - e. Facility layout? Yes  No  N/A \_\_\_ RMK# \_\_\_
  
- 9. In accordance with OAC rule 3745-54-55, does/do the emergency coordinator(s) have the authority to commit the resources needed to carry out the contingency plan? [Condition B.19] Yes  No  N/A \_\_\_ RMK# \_\_\_
  
- 10. Does the permittee have a contingency plan for the facility that: [Condition B.19]
  - a. Describes the actions facility shall take to comply with OAC rules 3745-54-51 through 3745-54-56 in response to fires, explosions, or any unplanned sudden or nonsudden release of hazardous waste or hazardous waste constituents to air, soil or surface water at the facility? Yes  No  N/A \_\_\_ RMK# \_\_\_

b. Describes arrangements agreed to by local police, fire departments, hospitals, contractors and Ohio EPA and the local emergency response team to coordinate emergency services?

Yes  No  N/A \_\_\_ RMK# \_\_\_

c. Includes an up-to-date list of names, addresses and phone numbers (office and home) for all persons qualified to act as emergency coordinator in the order that they will assume responsibility for coordination of emergency response?

Yes  No  N/A \_\_\_ RMK# \_\_\_

d. Includes a list of all emergency equipment, including fire extinguishing systems, spill control equipment, communications and alarm systems and decontamination equipment?

Yes  No  N/A \_\_\_ RMK# \_\_\_

e. Includes the location and a physical description of each item on the list referenced in Question No. 10(d), and a brief outline of its capabilities?

Yes  No  N/A \_\_\_ RMK# \_\_\_

f. Includes an evaluation plan for facility personnel describing signals to be used to begin evacuation, evacuation routes, and alternate evacuation routes, in situations where the primary routes could be blocked by releases of hazardous waste?

Yes  No  N/A \_\_\_ RMK# \_\_\_

**REMARKS**

None.

## IMPLEMENTATION OF CONTINGENCY PLAN

11. Has there been a fire, explosion or release of hazardous waste or hazardous waste constituents at the facility including spill or release of hazardous waste or hazardous waste constituents greater than or equal to 55 gallons; any spill or release of hazardous waste or hazardous waste constituents less than 55 gallons may result in a fire or explosion hazard as determined by the Emergency Coordinator; or any spill on-site that may potentially cause on or off-site soil and/or ground or surface water contamination; any spill or release of hazardous waste or hazardous waste constituents that is reported to the National Response Center or local (city or county) emergency response center because the spill exceeded the "RQ" limits; any fire involving hazardous waste; any explosion involving hazardous waste; since the date of the last inspection? If so: Yes\_\_\_ No  N/A\_\_\_ RMK#\_\_\_
- a. Did the permittee immediately implement the approved contingency plan and follow the emergency procedures described in OAC rule 3745-54-56? [Conditions B.14 and B.20] Yes\_\_\_ No  N/A  RMK#\_\_\_
- b. Did the permittee immediately notify Ohio EPA's emergency response team using the 24-hour toll free number (800)282-9378 providing the following information: [OAC rule 3745-54-56(D)(2)]
- i. Name and telephone number of the reporter? Yes\_\_\_ No  N/A  RMK#\_\_\_
- ii. Name and address of the facility? Yes\_\_\_ No  N/A  RMK#\_\_\_
- iii. Time and type of incident? Yes\_\_\_ No  N/A  RMK#\_\_\_
- iv. Name and quantity of materials involved? Yes\_\_\_ No  N/A  RMK#\_\_\_
- v. The extent of injuries? Yes\_\_\_ No  N/A  RMK#\_\_\_

vi. The possible hazards to human health or the environment outside the facility?

Yes \_\_\_ No  N/A  RMK# \_\_\_

c. Did the permittee collect and manage as hazardous waste all liquid or solid material resulting from fire, explosion, released material or emergency response materials until such time as the permittee can demonstrate to Ohio EPA that such waste are not hazardous wastes? [Condition B.16]

Yes \_\_\_ No  N/A  RMK# \_\_\_

d. Within 15 days of the incident did the permittee submit to the director a written report of the incident? If so:

Yes \_\_\_ No  N/A  RMK# \_\_\_

i. Did the report contain the elements set forth in OAC rule 3745-54-56(J)? [Condition B.23]

Yes \_\_\_ No  N/A  RMK# \_\_\_

e. Did the permittee note in the operating record the time, date and details of any incident that required the implementation of the approved contingency plan as required by OAC rule 3745-54-56(J)? [Condition B.23]

Yes \_\_\_ No  N/A  RMK# \_\_\_

### REMARKS

None.

### CLOSURE REQUIREMENTS

1. Does the permittee maintain the approved closure plan at the facility? [Condition B.29]

Yes  No  N/A \_\_\_ RMK# \_\_\_

2. Is the permittee keeping at the facility and submitting annually to Ohio EPA, the latest closure cost estimate as required by OAC rule 3745-55-42(D) [Condition B.36]

Yes  No  N/A \_\_\_ RMK# \_\_\_

3. Has the permittee amended the closure plan? If so:

Yes  No  N/A \_\_\_ RMK# \_\_\_

a. Has the plan been amended in accordance with OAC rule 3745-55-18(D)? [Condition B.28]

Yes  No  N/A \_\_\_ RMK# \_\_\_

**NOTE:** Also see Recordkeeping Requirements (Question #4) in order to verify that any changes to the closure plan were submitted in accordance with OAC rule 3745-50-51.

4. Has the permittee closed the facility? If so: Yes\_\_\_ No  N/A\_\_\_ RMK#\_\_\_
- a. Did the permittee complete closure of the facility 180 days after receiving the final volume of hazardous waste, as required by Condition B.31 of the permit? Yes\_\_\_ No  N/A  RMK#\_\_\_
- b. Was closure conducted in accordance with the closure performance standard of OAC rule 3745-55-11? [Condition B.26] Yes\_\_\_ No  N/A  RMK#\_\_\_
- c. Did the permittee carry out the approved closure plan as set found in Section 7 of the approved permit application? [Condition B.27] Yes\_\_\_ No  N/A  RMK#\_\_\_
- d. After receiving the final volume of hazardous waste, did the permittee remove all hazardous waste and complete closure activities in accordance with the schedule specified in the approved closure plan and as required by OAC rule 3745-55-13? [Condition B.31] Yes\_\_\_ No  N/A  RMK#\_\_\_
- e. Has the permittee decontaminated and/or disposed of all facility equipment, structures and soils as required by OAC rule 3745-55-14 and the approved closure plan? [Condition B.32] Yes\_\_\_ No  N/A  RMK#\_\_\_
- f. Has the permittee certified that the facility has been closed in accordance with the specifications in the approved closure plan as required by OAC rule 3745-55-15? [Condition B.33] Yes\_\_\_ No  N/A  RMK#\_\_\_
- g. Has the permittee submitted a survey plat to the director and local zoning authority no later than the submission of certification of closure of each hazardous waste disposal unit? [Condition B.34] Yes\_\_\_ No  N/A  RMK#\_\_\_

**REMARKS**

None.

## STORAGE OF HAZARDOUS WASTES IN CONTAINERS

**NOTE:** The requirements of Condition C do not apply to the permittee's activities as a generator accumulating hazardous waste for <90 days per OAC rule 3745-52-34(A). Please complete the applicable sections of the Generator Requirements checklist to document compliance with activities associated with <90 day accumulation of wastes.

1. Is the permittee storing in containers, only those wastes identified in Condition C.3? [Condition C.3] Yes  No  N/A \_\_\_ RMK# \_\_\_
2. Does the permittee limit the total quantity of containerized waste to no more than 11,000 gallons of hazardous waste at any given time in the permitted containers area located in Building #25? [Condition C.1(a)] Yes  No  N/A \_\_\_ RMK# \_\_\_

## **CONDITION OF CONTAINERS**

3. Are containers holding hazardous wastes in good condition as required by OAC 3745-55-71? [Condition C.4] If not:  
a. Did the permittee transfer the hazardous waste from such a container to one that is in good condition or otherwise manage the waste in a manner that complies with the conditions of the permit? [Condition C.4] Yes  No  N/A  RMK# \_\_\_
4. Does the permittee ensure that all containers used at the facility are compatible with the hazardous waste to be stored in them as required by OAC rule 3745-55-72? [Condition C.5] Yes  No  N/A \_\_\_ RMK# \_\_\_
5. Does the permittee keep all containers closed during storage except when it is necessary to add or remove waste as required by OAC rule 3745-55-73? [Condition C.6(a)] Yes  No  N/A \_\_\_ RMK# \_\_\_
6. Does the permittee store all containerized hazardous waste on the container storage containment system as described in Condition C.7 of the permit? [Condition C.7] Yes  No  N/A \_\_\_ RMK# \_\_\_

## INSPECTIONS

7. Is the permittee inspecting the container area weekly in accordance with OAC rule 3745-55-74 and the approved inspection schedule in Section 4 of the Part B permit application to detect leaking containers and deterioration of containers and the containment system? [Condition C.9]
- Yes  No  N/A \_\_\_ RMK# \_\_\_
- a. Does the permittee note the results of these inspections in the inspection log along with any remedial action taken as required by OAC rule 3745-54-15(D)?
- Yes  No  N/A \_\_\_ RMK# \_\_\_

## CONTAINMENT SYSTEM

8. Does the permittee maintain the containment system as described in the approved permit application, Section 3, including: [Condition C.7]
- Yes  No  N/A \_\_\_ RMK# \_\_\_
- a. Sufficient capacity to hold 10% of the total volume of containers or the volume of the largest container, whichever is greater.
- Yes  No  N/A \_\_\_ RMK# \_\_\_
- b. A system which is free of gaps and sufficiently impervious to contain leaks and spills?
- Yes  No  N/A \_\_\_ RMK# \_\_\_
9. Has the permittee had a spill or leak of wastes? If so:
- Yes \_\_\_ No  N/A \_\_\_ RMK# \_\_\_
- a. Was spilled or leaked waste removed in a timely manner? [Condition C.7(e)]
- Yes \_\_\_ No  N/A  RMK# \_\_\_

**NOTE:** *This time period is not to exceed 24 hours. [Condition C.7(e)]*

## AISLE SPACE

10. Is the permittee maintaining adequate aisle space to allow unobstructed movement of personnel and equipment in the event of an emergency as required by OAC rule 3745-54-35 and Condition B.12 of the permit?
- Yes  No  N/A \_\_\_ RMK# \_\_\_

**REQUIREMENTS FOR IGNITABLE, REACTIVE OR INCOMPATIBLE WASTES**

- 11. Is the permittee in compliance with the requirements of OAC rules 3745-54-17 and 3745-55-76, the approved application and conditions of the permit? [Condition c.11(a)] Yes  No  N/A \_\_\_ RMK# \_\_\_
- 12. Does the permittee store containers of ignitable or reactive wastes greater than 15 meters (50 feet) from the facility's property line? [Condition C.11(b)] Yes  No  N/A \_\_\_ RMK# \_\_\_
- 13. Does the permittee take precautions to prevent accidental ignition or reaction of ignitable or reactive waste and follow the storage procedures specified in Section 4 of the permit application? [Condition C.11(c)] Yes  No  N/A \_\_\_ RMK# \_\_\_
- 14. Does the permittee provide electrical grounding for all containers and tanks, and transport vehicles during all operations involving the handling of ignitable or reactive wastes? [Condition B.7(b)] Yes  No  N/A \_\_\_ RMK# \_\_\_
- 15. Does the permittee provide and require the use of spark proof tools during all operations involving the handling of ignitable or reactive wastes? [Condition B.7(c)] Yes  No  N/A \_\_\_ RMK# \_\_\_
- 16. Does the permittee prohibit smoking and open flames in each area where ignitable, reactive or incompatible hazardous wastes are managed and post appropriate sign? [Condition B.7(d)] Yes  No  N/A \_\_\_ RMK# \_\_\_
- 17. Does the permittee prevent hazardous waste from being placed in an unwashed container that previously held an incompatible waste or material? [Condition C.12(c)] Yes  No  N/A \_\_\_ RMK# \_\_\_

**REMARKS**

None.

**LAND DISPOSAL RESTRICTION REQUIREMENTS**

1. Does the permittee comply with all applicable regulations regarding land disposal prohibitions and restrictions as required by OAC Chapter 3745-270? Yes\_\_\_ No  N/A \_\_\_ RMK# 1
2. Does the permittee comply with the notification and certification requirements of OAC rule 3745-270-07(A)? Yes  No  N/A \_\_\_ RMK# \_\_\_
3. Does the permittee comply with the requirements of OAC rule 3745-270-03 and does not in any way dilute a restricted waste or treatment residue as a substitute for adequate treatment? Yes  No  N/A \_\_\_ RMK# \_\_\_
4. Does the permittee retain supporting data used to determine if wastes managed at the facility are restricted from land disposal in the facility files as required by OAC rule 3745-270-07(A)(5)? Yes  No \_\_\_ N/A \_\_\_ RMK# \_\_\_
- a. Are copies of all notices, certifications, demonstrations, waste analysis and other documentation produced pursuant to OAC Chapter 3745-270 retained for a period of three years as required by OAC rule 3745-270-07(A)? Yes  No \_\_\_ N/A \_\_\_ RMK# \_\_\_
5. Is the permittee in compliance with the requirements of OAC rule 3745-270-50 regarding the storage of wastes restricted or prohibited from land disposal under OAC rule 3745-270-50? Yes\_\_\_ No  N/A \_\_\_ RMK# 1

**REMARKS**

- RMK# 1) Within the DPEP permitted hazardous waste storage area, observed one drum of hazardous waste, Drum #9574, which was not marked with the accumulation start date.

**CORRECTIVE ACTION**

1. Has the permittee submitted the monthly progress report for all corrective action activities? (This report is due by the 15<sup>th</sup> of the month following the reporting period.) [Condition \_\_\_\_] Yes\_\_ No  N/A  RMK#\_\_
2. Has the permittee identified any new WMUs or releases at the facility? [Condition E.10]? If so: Yes\_\_ No  N/A  RMK#\_\_
- a. Did the permittee follow the steps indicated in Conditions E.10(a) and (b) and E.11? Yes\_\_ No  N/A  RMK#\_\_

**REMARKS**

None.

**LARGE QUANTITY GENERATOR REQUIREMENTS  
COMPLETE AND ATTACH A PROCESS DESCRIPTION SUMMARY**

CESQG: <100Kg. (Approximately 25-30 gallons) of waste in a calendar month.

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

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

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

Safety Equipment Used:

**GENERAL REQUIREMENTS**

1. Have all wastes generated at the facility been adequately evaluated? [3745-52-11] Yes  No  N/A
2. Has the generator obtained a U.S. EPA identification number? [3745-52-12] Yes  No  N/A
3. Were annual reports filed with Ohio EPA on or before March 1<sup>st</sup>? [3745-52-41(A)] Yes  No  N/A
4. 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

5. 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

6. 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.

7. 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).

8. 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) and Yes  No  N/A
- c. Drip pads that meet 3745-69-40 to 3745-69-45? Yes  No  N/A
- d. Containment building that meets 3745-256-100 to 3745-256-102? Yes  No  N/A

NOTE: Complete appropriate checklist for each unit.

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

9. 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

10. 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

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

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

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

*NOTE: The generator may designate on the manifest one 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)].*

13. 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

14. 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 of the waste they generate.*

15. 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

16. 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

17. 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

18. 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

19. Does the personnel training program include instructions to ensure that facility personnel are able to respond effectively to emergencies by familiarizing them with emergency procedures, emergency equipment and emergency systems (where applicable)? [3745-65-16(A)(3)(a-f)] Yes  No  N/A

20. Is the personnel training program directed by a person trained in hazardous waste management procedures? [3745-65-16(A)(2)] Yes  No  N/A
21. 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
22. Does the generator provide annual refresher training to employees? [3745-65-16(C)] Yes  No  N/A
23. Does the generator keep records including: job titles [D(1)], job descriptions [D(2)], type and amount of training given to each person [D(3)] and documentation of completed training or job experience required [D(4)]? [3745-65-16(D)] Yes  No  N/A
24. 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.*

<u>Job Performed</u>	<u>Name of Employee</u>	<u>Date Trained</u>

**CONTINGENCY PLAN**

25. 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
26. Does the plan describe the following:
- a. Actions to be taken in response to fires, explosions or any unplanned release of hazardous waste [3745-65-52(A)]? Yes  No  N/A
  - b. Arrangements with emergency authorities [3745-65-52(C)]. Yes  No  N/A
  - c. A current list of names, addresses and telephone numbers (office and home) of all persons qualified to act as emergency coordinator? [3745-65-52(D)] Yes  No  N/A
  - d. A list of all emergency equipment, including: location, a physical description and brief outline of capabilities? [3745-65-52(E)] Yes  No  N/A
  - 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)]*

27. 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

28. 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

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

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

### EMERGENCY PROCEDURES

30. 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

31. 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

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

a. Internal alarm system? [3745-65-32(A)] Yes  No  N/A

b. Emergency communication device? [3745-65-32(B)] Yes  No  N/A

c. Portable fire control, spill control and decon equipment? [3745-65-32(C)] Yes  No  N/A

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

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

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

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

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

36. 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

37. Is adequate aisle space provided for unobstructed movement of emergency or spill control equipment? [3745-65-35] Yes  No  N/A
38. Has the generator attempted to familiarize emergency authorities with possible hazards and facility layouts? [3745-65-37(A)] Yes  No  N/A
39. 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**

40. Does the generator ensure that satellite accumulation area(s):
- a. Are at or near a point of generation? [3745-52-34(C)(1)] Yes  No  N/A
  - b. Are under the control of the operator of the process generating the waste? [3745-52-34(C)(1)] Yes  No  N/A
  - c. Do not exceed one quart of acutely hazardous waste at anyone time? [3745-52-34(C)(1)] Yes  No  N/A
  - d. Containers are closed, in good condition and compatible with wastes stored in them? [3745-52-34(C)(1)(a)] Yes  No  N/A
  - e. Containers are marked with words "Hazardous Waste" or other words identifying the contents? [3745-52-34(C)(1)(b)] Yes  No  N/A
41. 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
  - c. Do not exceed a total of 55 gallons of hazardous waste per waste stream? [3745-52-34(C)(1)] Yes  No  N/A

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

**USE AND MANAGEMENT OF CONTAINERS IN <90 DAY ACCUMULATION AREAS**

42. Has the generator marked containers with the words "Hazardous Waste?" [3745-52-34(A)(3)] Yes  No  N/A
43. Is the accumulation date on each container? [3745-52-34(A)(2)] Yes  No  N/A
44. Are hazardous wastes stored in containers which are:
- a. Closed (except when adding/removing wastes)? [3745-66-73(A)] Yes  No  N/A
  - b. In good condition? [3745-66-71] Yes  No  N/A

c. Compatible with wastes stored in them? [3745-66-72] Yes  No  N/A

d. Handled in a manner which prevents rupture/leakage? [3745-66-73(B)] Yes  No  N/A

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

45. Is the container accumulation areas(s) inspected weekly? [3745-66-74] Per ORC§1.44(A) "Week" means seven 7 consecutive days. Yes  No  N/A

a. Are inspections recorded in a log or summary? [3745-66-74] Yes  No  N/A

46. 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

47. 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

48. 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

49. 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.

50. 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 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

51. 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

52. Does each container <110 gallons have a completed hazardous waste label? [3745-52-32(B)] Yes  No  N/A

53. 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

## LDR REQUIREMENTS

1. Has the generator adequately evaluated all wastes to determine if they are restricted from land disposal? [3745-270-07(A)(1)] (possibly also cite 3745-52-11) **If so:** Yes  No  N/A \_\_\_RMK#\_\_\_
- a. **For determinations based solely on knowledge of the waste:** Is supporting data retained on-site? [3745-270-07(A)(6)] Yes  No  N/A \_\_\_RMK#\_\_\_
- b. **For determinations based upon analytical testing:** Is waste analysis data retained on-site? [3745-270-07(A)(6)] Yes  No  N/A \_\_\_RMK#\_\_\_
2. Has the generator determined each EPA hazardous waste code applicable to the waste? [3745-270-07(A)(2) see Table 1] (possibly also cite 3745-52-11) Yes  No  N/A \_\_\_RMK#\_\_\_
3. Has the generator determined the correct "treatability group(s)" (e.g., wastewater, non-wastewater, etc.)? [3745-270-07(A), Table 1] Yes  No  N/A \_\_\_RMK#\_\_\_
4. Does the generator generate a characteristic hazardous waste? **If so:** Yes  No \_\_\_ N/A \_\_\_ RMK#\_\_\_
- a. Have all underlying hazardous constituents (UHCs) been identified? [3745-270-09(A)] Yes  No  N/A \_\_\_RMK#\_\_\_
5. Does the generator generate listed waste(s) which also exhibit hazardous characteristics? [3745-270-09] **If so:** Yes  No \_\_\_ N/A \_\_\_ RMK#\_\_\_
- a. Has the generator also identified the appropriate treatment standard(s) for the constituent(s) which cause the waste to exhibit a characteristic? [3745-270-09(A)] Yes  No  N/A \_\_\_RMK#\_\_\_
6. Has the generator **correctly** determined if restricted wastes meet or do not meet treatment standards? [3745-270-07(A)(1)] Yes  No  N/A \_\_\_RMK#\_\_\_
7. Does the owner/operator ensure that restricted wastes or treatment residues are not diluted as a method of achieving/circumventing LDR treatment standards? [3745-270-03] Yes  No  N/A \_\_\_RMK#\_\_\_

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

Yes  No  N/A \_\_\_ RMK# \_\_\_

**Note:** In other words, is combustion a legitimate treatment method

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

Yes  No  N/A \_\_\_ RMK# \_\_\_

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

Yes \_\_\_ No  N/A \_\_\_ RMK# \_\_\_

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

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

Yes \_\_\_ No  N/A \_\_\_ RMK# \_\_\_

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

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

Yes \_\_\_ No  N/A \_\_\_ RMK# \_\_\_

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

Yes \_\_\_ No  N/A  RMK# \_\_\_

**REMARKS**

None.

**NOTIFICATION AND CERTIFICATION REQUIREMENTS**

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

**REMARKS**

None.



## USED OIL INSPECTION CHECKLIST (Short Version)

### PROHIBITIONS

1. Is used oil being managed in a surface impoundment or waste pile? Yes \_\_\_ No  N/A \_\_\_ RMK# \_\_\_
2. Is used oil being used as a dust suppressant? [3745-279-12(B)] Yes  No  N/A \_\_\_ RMK# \_\_\_
3. Is off-specification used oil fuel burned for energy recovery only in devices specified in 3745-279-12(C)? Yes \_\_\_ No  N/A  RMK# \_\_\_

### USED OIL GENERATOR STANDARDS

4. Does the generator mix hazardous waste with used oil only as provided in 3745-279-10(B)? [2745-279-21(A)] Yes \_\_\_ No  N/A  RMK# \_\_\_
5. Does the generator of a used oil containing greater than 1,000 ppm total halogens manage the used oil as a hazardous waste unless the presumption is rebutted successfully? [3745-279-21(B)] Yes \_\_\_ No  N/A  RMK# \_\_\_
6. Does the generator only store used oil in tanks, containers, or units subject to OAC 3745-54 to 3745-57 and 3745-205 or 3745-65 to 3745-69 and 3745-256? [3745-279-22(A)] Yes  No  N/A \_\_\_ RMK# \_\_\_
7. Are containers and aboveground tanks used to store used oil in good condition with no visible leaks? [3745-279-22(B)] Yes  No  N/A \_\_\_ RMK# \_\_\_
8. Are containers, above ground tanks, and fill pipes used for underground tanks clearly labeled or marked "Used Oil?" [3745-279-22(C)] Yes  No  N/A \_\_\_ RMK# \_\_\_
9. Has the generator, upon detection of a release of used oil, done the following: [3745-279-22(D)]
- a. Stopped the release? Yes \_\_\_ No  N/A  RMK# \_\_\_
- b. Contained the release? Yes \_\_\_ No  N/A  RMK# \_\_\_
- c. Cleaned up and properly managed the used oil and other materials? Yes \_\_\_ No  N/A  RMK# \_\_\_
- d. Repaired or replaced the containers or tanks prior to returning them to service, if necessary? Yes \_\_\_ No  N/A  RMK# \_\_\_
10. Does the generator burn used oil in used fired space heaters? [3745-279-23] Yes \_\_\_ No  N/A \_\_\_ RMK# \_\_\_

11. Does the generator have the used oil hauled only by transporters that have obtained U.S. EPA ID#, unless the generator qualifies for an exemption pursuant to 3745-279-24 (self transportation or tolling agreements)? [3745-279-24]

Yes  No  N/A \_\_\_RMK#\_\_\_

**WASTE EVALUATION**

15. Have all wastes generated at the facility been evaluated? [3745-52-11]

Yes  No  N/A \_\_\_RMK#\_\_\_

**REMARKS**

None.

**SMALL QUANTITY UNIVERSAL WASTE HANDLER REQUIREMENTS - BATTERIES AND LAMPS**

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

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

**PROHIBITIONS**

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

**WASTE MANAGEMENT & LABELING/MARKING**

**UNIVERSAL WASTE BATTERIES**

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

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

**UNIVERSAL WASTE LAMPS**

8. Does the SQGUHW contain lamps in containers or packages that are structurally sound, adequate to prevent breakage, and are compatible with contents of the lamps? Are containers or packages closed and do they lack evidence of leakage, spillage or damage that could cause leakage? [3745-273-13(D)(1)] Yes  No  N/A  RMK#
9. Are lamps that show evidence of breakage, leakage or damage that could cause a release of mercury or hazardous constituents into the environment immediately cleaned up? Are they placed into a container that is closed, structurally sound, compatible with the contents of the lamps, and lack evidence of leakage spillage or damage that could cause leakage or releases of mercury or hazardous waste constituents to the environment? [3745-273-13(D)(2)] Yes  No  N/A  RMK#
10. Are the lamps or containers or packages of lamps labeled with the words "Universal Waste - Lamp(s)" or "Waste Lamp(s)" or "Used Lamp(s)"? [3745-273-14(E)] Yes  No  N/A  RMK#

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

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

### ACCUMULATION TIME

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

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

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

**EMPLOYEE TRAINING**

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

**RESPONSE TO RELEASES**

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

**OFF-SITE SHIPMENTS**

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

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

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

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

b. Agree to where the shipment will be sent? [3745-273-18(E)(2)]

Yes \_\_\_ No \_\_\_ N/A  RMK# \_\_\_

21. If a handler rejects a partial or full load from another handler, does the receiving handler contact the originating handler and discuss one of the following:

Yes \_\_\_ No  N/A  RMK# \_\_\_

a. Sending the waste back to the originating handler? [3745-273-18(F)(1)]

Yes \_\_\_ No \_\_\_ N/A  RMK# \_\_\_

b. Sending the shipment to a destination facility? (If both the originating and receiving handler agree) [3745-273-18(F)(2)]

Yes \_\_\_ No \_\_\_ N/A  RMK# \_\_\_

22. If the handler received a shipment of hazardous waste that was not universal waste, did the SQUWH immediately notify Ohio EPA? [3745-273-18(G)]

Yes \_\_\_ No  N/A  RMK# \_\_\_

23. If the handler received a shipment of nonhazardous, non-universal waste, was the waste managed in accordance with applicable law? [3745-273-18(H)]

Yes \_\_\_ No  N/A  RMK# \_\_\_

**EXPORTS**

24. Is waste being sent to a foreign destination? If so:

Yes \_\_\_ No  N/A \_\_\_ RMK# \_\_\_

a. Does the small quantity handler comply with primary exporter requirements in OAC 3745-52-53, 3745-52-56, and 3745-52-57? [3745-273-20(A)]

Yes \_\_\_ No  N/A  RMK# \_\_\_

b. Is waste exported only upon consent of the receiving country and in conformance with U.S. EPA's "Acknowledgment of Consent" as defined in 3745-52-50 to -52-57? [3745-273-20(B)]

Yes \_\_\_ No  N/A  RMK# \_\_\_

c. Is a copy of U.S. EPA's "Acknowledgment of Consent" provided to the transporter? [3745-273-20(C)]

Yes \_\_\_ No  N/A  RMK# \_\_\_

**REMARKS**

None.



**TANK SYSTEM REQUIREMENTS (OAC 3745-66-91 TO 3745-66-100)**

1. **For an existing or new tank system(s)** has secondary containment been provided? [3745-66-93(A)(1) to (A)(5)] Yes  No \_\_\_ N/A \_\_\_ RMK# \_\_\_
2. Is the secondary containment one of the following:
- a. An **External Liner** [3745-66-93(E)(1)(a) - (1)(f)] If so, Yes  No \_\_\_ N/A \_\_\_ RMK# \_\_\_
- i. Is liner designed or operated to contain 100% of the capacity of the largest tank? Yes  No  N/A \_\_\_ RMK# \_\_\_
- 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 \_\_\_ RMK# \_\_\_
- iii. Is liner free of cracks and gaps? Yes  No  N/A \_\_\_ RMK# \_\_\_
- iv. Does liner completely surround the tank and cover all earth likely to be contacted by waste during a release? Yes  No  N/A \_\_\_ RMK# \_\_\_
- v. Are chemically resistant water stops in place at all joints? (*concrete liners only*) Yes  No  N/A \_\_\_ RMK# \_\_\_
- vi. Is there a compatible interior coating or lining to prevent migration of waste into the concrete? (*concrete liners only*) Yes  No  N/A \_\_\_ RMK# \_\_\_
3. Is the secondary containment system for the tank(s) 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 \_\_\_ RMK# \_\_\_

**SECONDARY CONTAINMENT DESIGN/OPERATION/INSTALLATION (OAC 3745-66-93(B)(C))**

4. Has each secondary containment system been designed, installed and operated to prevent any migration of wastes or liquid to the soil, ground water, or surface water and is it capable of detecting and collecting releases and accumulated liquids? [3745-66-93(B)] Yes  No  N/A \_\_\_ RMK# \_\_\_
5. 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? Yes  No  N/A \_\_\_ RMK# \_\_\_

- b. Placed on a foundation or base capable of providing support? Yes  No  N/A \_\_\_ RMK# \_\_\_
- 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? Yes  No  N/A \_\_\_ RMK# \_\_\_
- d. Sloped or designed to drain and remove liquid resulting from leaks, spills or precipitation? Yes  No  N/A \_\_\_ RMK# \_\_\_
- e. Any liquid which accumulates in the containment unit resulting from spills, leaks or precipitation removed within 24 hours or in a timely manner? Yes  No  N/A \_\_\_ RMK# \_\_\_

**ANCILLARY EQUIPMENT REQUIREMENTS (OAC 3745-66-93(F))**

- 6. Is ancillary equipment provided with secondary containment (such as double-walled piping, jacketing or a trench)? *If not*, is the ancillary equipment: Yes \_\_\_ No  N/A \_\_\_ RMK# \_\_\_
  - a. Inspected daily? **AND**; Yes  No  N/A \_\_\_ RMK# \_\_\_
  - b. Is ancillary equipment one of the following:
    - i. Above ground piping (exclusive of flanges, joints, valves and connections)? Yes  No  N/A \_\_\_ RMK# \_\_\_
    - ii. Welded flanges, welded joints and/or welded connections? Yes  No  N/A \_\_\_ RMK# \_\_\_
    - iii. Sealless or magnetic coupling pumps and/or sealless valves? Yes \_\_\_ No  N/A  RMK# \_\_\_
    - iv. 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)? Yes \_\_\_ No  N/A  RMK# \_\_\_

**REMARKS**

None.

**NEW TANK SYSTEM REQUIREMENTS (OAC 3745-66-92)**

- 1. 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 \_\_\_ RMK# \_\_\_

2. Does the written assessment include the following: [OAC 3745-66-92(A)]

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

3. Are there written statements by those person 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  RMK#

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  RMK#
- b. Statement that deficiencies were corrected before the tank system was covered or put into use? [3745-66-92(B)] Yes  No  N/A  RMK#
- c. Proper backfilling? [3745-66-92(C)] Yes  No  N/A  RMK#
- 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  RMK#

e. Proper support and protection of ancillary equipment? [3745-66-92(E)]

Yes  No  N/A  RMK#

f. Supervision of the installation of field fabricated corrosion protection? [3745-66-92(F)]

Yes  No  N/A  RMK#

### TANK SYSTEM - GENERAL OPERATING REQUIREMENTS (OAC 3745-66-94)

1. 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  RMK#

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  RMK#

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  RMK#

### TANK SYSTEM - INSPECTION REQUIREMENTS (OAC 3745-66-95)

1. 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 (daily)? [3745-66-95(A)(1)]

Yes  No  N/A  RMK# 1

b. Above ground portion of tank (daily)? [3745-66-95(A)(2)]

Yes  No  N/A  RMK# 1

c. Data from leak detection equipment (daily)? [3745-66-95(A)(3)]

Yes  No  N/A  RMK# 1

d. Construction materials and area immediately surrounding the tanks for signs of erosion or release of hazardous waste (daily)? [3745-66-95(A)(4)]

Yes  No  N/A  RMK# 1

e. 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  RMK#

f. Where applicable, all sources of impressed current at least bi-monthly? [3745-66-95(B)(2)]

Yes \_\_\_ No  N/A  RMK# \_\_\_

**TANK SYSTEMS STORING IGNITABLE OR REACTIVE WASTES (OAC 3745-66-98 AND 3745-66-99)**

1. For tanks used to treat or store ignitable or reactive wastes, has the o/o complied with **one of the following**: [3745-66-98(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 3745-65-17(B)? [3745-66-98(A)(1)]; **OR**

Yes \_\_\_ No \_\_\_ N/A  RMK# \_\_\_

b. Is the waste stored or treated to protect it from materials or conditions which may cause ignition or reaction? [3745-66-98(A)(2)]; **OR**

Yes  No \_\_\_ N/A \_\_\_ RMK# \_\_\_

c. The tank is used solely for emergencies? [3745-66-98(A)(3)]

Yes \_\_\_ No \_\_\_ N/A  RMK# \_\_\_

2. 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 \_\_\_ RMK# \_\_\_

3. 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]

Yes \_\_\_ No  N/A \_\_\_ RMK# \_\_\_

a. *If so*, have the requirements of 3745-65-17(B) been met?

Yes \_\_\_ No  N/A  RMK# \_\_\_

**TANK SYSTEM - WASTE ANALYSIS REQUIREMENTS (OAC 3745-66-100)**

1. 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  RMK# \_\_\_

a. Conducted waste analysis and trial treatment or storage tests? [3745-66-100(A)]; **OR**

Yes \_\_\_ No \_\_\_ N/A  RMK# \_\_\_

- 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  RMK# \_\_\_

**TANK SYSTEMS FOUND TO BE LEAKING OR UNFIT FOR USE (OAC 3745-66-96)**

1. Has there been a leak or spill from any tank system or has any tank system been found unfit for use? Yes \_\_\_ No  N/A \_\_\_ RMK# \_\_\_
2. 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 handling hazardous waste? [3745-66-96(F)] Yes \_\_\_ No  N/A  RMK# \_\_\_
- a. 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  RMK# \_\_\_
3. If the o/o was unable to repair and return the unit to service as described in 1.a through 1.e, was the tank system closed in accordance with 3745-66-97? [3745-66-96(E)(1)] Yes \_\_\_ No  N/A  RMK# \_\_\_
4. Does the o/o have a tank system **with a variance from secondary containment** from which a release has occurred but has not migrated beyond the zone of engineering control? Yes \_\_\_ No  N/A \_\_\_ RMK# \_\_\_
5. Does the o/o have a tank system **with a variance from secondary containment** from which a release occurred and has migrated from the zone of engineering control? Yes \_\_\_ No  N/A \_\_\_ RMK# \_\_\_

**REMARKS**

- RMK# 1) On July 1, 2006, July 2, 2006, July 3, 2006, July 5, 2006 and July 6, 2006, DPEP failed to conduct and record the required daily inspections of hazardous waste tank T-66.