



State of Ohio Environmental Protection Agency

Northwest District Office

347 North Dunbridge Road
Bowling Green, OH 43402-9398

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

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

Re: Michigan Silk Screen
Lucas County
OHR000002121
Hazardous Waste-CESQG
Notice of Violation

July 22, 2009

Mr. Michael Schnaidt
Michigan Silk Screen
5354 Whiteford Road
Sylvania, Ohio 43560

Dear Mr. Schnaidt:

On July 16, 2009, Wendy Miller and I conducted a compliance evaluation inspection at Michigan Silk Screen (MSS) located at 5354 Whiteford Road in Sylvania, Ohio. We inspected MSS to determine its compliance with Ohio's hazardous waste laws as found in Chapter 3734 of the Ohio Revised Code (ORC) and Chapter 3745 of the Ohio Administrative Code (OAC). Pollution prevention options were also discussed during this inspection. This letter will explain the violation we found and what you need to do to correct this violation.

During our visit we toured your building, observed your operations, and reviewed paperwork. MSS uses oil-based inks in the silk screening process. An aqueous/detergent based parts washer is used for clean-up and Safety Kleen picks up this non-hazardous waste stream once every four to six weeks. Old catalyst inks are stored in a five gallon bucket and picked up by Safety Kleen for disposal (D001, D005, D006, D035, F003, F005) once every two to three years. The last shipment of this hazardous waste was on February 1, 2008. Shop rags are laundered by Cintas and no used oil is generated. MSS also generates spent fluorescent lamps which are managed as solid waste. At the time of our inspection, MSS was operating as a conditionally exempt small quantity generator (CESQG) of hazardous waste.

We found the following violation of Ohio's universal waste rules. In order to correct this violation you must do the following and send me the required information within 30 days of your receipt of this letter:

1. OAC Rule 3745-52-11: Waste Evaluation

Any person who generates a waste must determine if that waste is a hazardous waste by using generator knowledge or by testing the waste.

MSS failed to have waste evaluation documentation or an established recycling plan in place for the fluorescent bulbs generated at the facility.

Hazardous bulbs are considered "spent materials" and remain hazardous waste even when recycled. Hazardous waste lamp generators have the option of handling their lamps as hazardous waste or as universal waste.

Managing hazardous waste lamps under the universal waste rules eases certain regulations imposed on generators of spent lamps.

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Please be aware that incandescent, fluorescent, metal halide, neon, high-intensity discharge, high-pressure sodium and mercury-vapor lamps could be hazardous waste when discarded. Fluorescent lamps may contain up to 40 milligrams (mg) of mercury, depending on the brand and manufacturer. Lamps may also contain lead and cadmium. Many lamps exhibit a characteristic of toxicity for heavy metals when disposed. A copy of Fluorescent Lamps: What You Should Know, was given to you at the time of our inspection. I recommend that you review this document and contact me if you have any questions.

MSS must submit to Ohio EPA documentation to demonstrate how you plan to properly manage your fluorescent bulbs. If MSS decides to conduct waste sampling, please notify me at least seven days prior to the sampling event date so that a representative from Ohio EPA can be present to observe the sampling and to split samples if necessary. In lieu of conducting sampling, MSS can manage the spent fluorescent bulbs as universal waste. If MSS plans to manage the spent fluorescent bulbs as universal waste, please submit photographic documentation showing the storage containers properly closed, labeled, and dated. MSS must also properly train employees, who handle or have responsibility for managing universal waste, on waste handling and emergency procedures relative to their responsibilities and send me documentation that this has been completed. In addition, MSS must submit the name of the facility where you plan to recycle the bulbs.

Enclosed you will find a copy of the checklist that was completed during the inspection.

Ohio EPA has helpful information about compliance assistance and pollution prevention at the following web address: <http://www.epa.state.oh.us/ocapp/ocapp.html>. In addition, you can find copies of the rules and other information on the division's web page at <http://www.epa.state.oh.us/dhwm>.

If you have any questions or I can be of assistance, please contact me at (419) 373-3066.

Sincerely,



Melissa L. Boyers
Division of Hazardous Waste Management

/cs

pc: Cindy Lohrbach, DHWM, NWDO
Colleen Weaver, DHWM, NWDO
DHWM, NWDO - Lucas County General File →
ec: Melissa Boyers, DHWM, NWDO

Notice:

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

**CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR REQUIREMENTS
COMPLETE AND ATTACH A PROCESS, WASTE, P2 SUMMARY SHEET**

CESQG: 100Kg. (Approximately 25-30 gallons) of waste in a calendar month or < 1 Kg. of acutely hazardous waste.

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

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

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

Safety Equipment Used:

WASTE EVALUATION

1. Have all wastes generated at the facility been adequately evaluated? [3745-52-11] Yes No N/A

Fluorescent bulbs

GENERATOR CLASSIFICATION

2. Does the generator produce <100 kg. of hazardous waste per month? [conditionally exempt small quantity generator ("CESQG")] Yes No N/A

NOTE: If quantities of hazardous waste accumulated on-site at any one time exceed 1,000 Kg. - or the generator produces between 100 and 1,000 Kg. of hazardous waste per month, it is operating as a Small Quantity Generator ("SQG"). If so, complete the Small Quantity Generator Requirements checklist.

OFF-SITE SHIPMENT OF HAZARDOUS WASTE

3. Does the CESQG ensure delivery of hazardous waste(s) to an off-site permitted TSD? [3734.02(F)] Yes No N/A

TREATMENT OF HAZARDOUS WASTE

4. Does the generator treat hazardous waste in a:
- a. Container that meets 3745-66-70 to 3745-66-77? Yes No N/A
 - b. Tank that meets 3745-66-90 to 3745-66-101 except 3745-66-97(C)? 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 the CESQG conducts treatment they are subject to the LQG requirements.

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

REMARKS

**Ohio Environmental Protection Agency
RCRA SUBTITLE C SITE
IDENTIFICATION/VERIFICATION FORM**

For Ohio EPA use only

E-mail this completed form to kristina.durnell@epa.state.oh.us
or mail it to Kristina Durnell, Central Office

Site EPA ID No. Site Name Site Location Information Site Land Type (check only one) NAICS code(s) www.census.gov/epcd/www/naics.html	EPA ID Number: OHR000002121 Name: Michigan Silk Screen Website: (Optional) Street Address: 5354 Whiteford Road City, Town, or Village: Sylvania County Name: Lucas State: OH Zip Code: 43560 Private <input checked="" type="checkbox"/> County <input type="checkbox"/> District <input type="checkbox"/> Federal <input type="checkbox"/> Indian <input type="checkbox"/> Municipal <input type="checkbox"/> State <input type="checkbox"/> Other <input type="checkbox"/>
Facility Representative Additional names can be recorded in number 12 Only provide address information if it is different than the site address	First Name: Michael MI: Last Name: Schnaidt Phone Number: 419-885-1163 Phone Number Extension: E-Mail Address: misilkscreen@aol.com Fax Number Extension: Fax Number: 419-885-5441 Street or P.O. Box: City, Town or Village: State: Zip Code:
Legal Owner And Operator of the Site. List Additional Owners and/or Operators in the Comment Section or on another copy of this form page	Name of Site's Legal Owner: Owner Private County District Federal Indian Municipal State Other Type: <input type="checkbox"/> <input type="checkbox"/> Street or P.O. Box: City, Town or Village: State: Owner Phone #: Country: Zip Code: Name of Site's Operator: Date Became Operator (mm/dd/yyyy): Owner Private County District Federal Indian Municipal State Other Type: <input type="checkbox"/> <input type="checkbox"/> Street or P.O. Box: City, Town or Village: State: Operator Phone #: United States Zip Code:

VIOLATIONS CITED? Yes No

TYPE OF HANDLER - A MINIMUM OF ONE BOX MUST BE CHECKED

<input type="checkbox"/> Not a Generator	<input type="checkbox"/> UNKNOWN: Cited for violation of 3745-52-11	<input type="checkbox"/> Large Quantity Generator (LQG) <input type="checkbox"/> Small Quantity Generator (SQG) <input checked="" type="checkbox"/> Conditionally Exempt Small Quantity Generator <input type="checkbox"/> U.S. Importer of Hazardous Waste <input type="checkbox"/> Mixed Waste (Hazardous and Radioactive) Generator
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TYPE OF REGULATED WASTE ACTIVITY (MARK "X" IN ALL OF THE APPROPRIATE BOXES)

- | | |
|---|--|
| <input type="checkbox"/> Recycler of Hazardous Waste | <input type="checkbox"/> Exempt Boiler and/or Industrial Furnace |
| <input type="checkbox"/> Underground Injection Control Facility | <input type="checkbox"/> Small Quantity On-Site Burner Exemption |
| <input type="checkbox"/> Hazardous Waste Transporter | <input type="checkbox"/> Smelting, Melting, Refining Furnace Exemption |
| <input type="checkbox"/> Treater, Storer or Disposer of Hazardous Waste | |

UNIVERSAL WASTE ACTIVITIES (INDICATE TYPES OF UNIVERSAL WASTE MANAGED)

(CHECK ALL BOXES THAT APPLY)

- | | |
|---|---|
| <input type="checkbox"/> Small Quantity Handler of Universal Waste | <input type="checkbox"/> Destination Facility for Universal Waste |
| <input type="checkbox"/> Large Quantity Handler of Universal Waste
(accumulates 5,000 kg. or more) | |

CHECK ALL BOXES BELOW THAT APPLY FOR THE TYPES OF UNIVERSAL WASTE THE FACILITY MANAGES

- Batteries
- Pesticides
- Mercury containing equipment
- Lamps

USED OIL ACTIVITIES (INDICATE TYPE(S) OF ACTIVITY(S))

- Used Oil Generator
- Used Oil Transporter
- Used Oil Transfer Facility
- Used Oil Processor
- Used Oil Re-refiner
- Off-Specification Used Oil Burner
- Used Oil Fuel Marketer Who Directs Shipment of Off-Spec. Oil
- Used Oil Fuel Marketer to Off-Specification Used Oil Burner

Waste Codes for Federally Regulated Hazardous Wastes. Please list the codes for the federally regulated hazardous waste handled at the site. List them in the order they are presented in the regulations (e.g., D001, D003, F007, U112). Use an additional page if more space is needed. If there are more than 7 waste codes and they are the same as listed in the most recent RCRAInfo source record, you do not need to list them all. Instead just indicate the date of the most recent source record.

D001 D035 F003 F005 D005 D006

COMMENTS: USE THIS AREA TO DESCRIBE WHETHER THE INSPECTION WAS ANNOUNCED, WHETHER THE WASTE IS STORED IN TANKS OR CONTAINERS, ETC.

Announced	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Additional Facility Representatives:
Tanks	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Other Comments:
Containers	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	

Name of Inspector(s)	Name of Inspector(s)	Date of Inspection/Time (mm/dd/yyyy) (hh:mm)
Melissa Boyers	Wendy Miller	7/16/2009 11:00

OPTIONAL CERTIFICATION. I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

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

Facility Name: Michigan Silk Screen **Facility Type:** LQG/SQG/CESQG/TSD **EPA ID#:** OHR000002121

Description of Waste				On-Site Management			Off-Site Management
Process/Activity Generating Waste (e.g. plating bath, machining, baghouse, painting, etc)	Waste Generated (e.g. sludge, spent solvent, ash, etc)	EPA Waste Code	QTY Generated per Month	Type of Accumulation/Storage (e.g. container, tank, etc)	Type of On-Site Treatment (recycle, wwt, etc)	Waste Location (Include map if possible)	Name, state, and type of activity occurring at the facility.
1 Lighting	Spent Fluorescent Bulbs						Managed as Solid Waste
2 Silk Screening	Aqueous/detergent parts washer solution			30-gallon unit		Shop area	Safety Kleen picks up once every 4-6 weeks
3 Silk Screening	Old/unsuable catalyst inks	D001, D005, D006, D035, F003, F005		5 gal. drum		Shop area	Safety Kleen picks up once every 2-3 years.
4							