



**Environmental
Protection Agency**

John R. Kasich, **Governor**
Mary Taylor, **Lt. Governor**
Scott J. Nally, **Director**

April 11, 2011

**RE: MM INDUSTRIES, INC.
NON-NOTIFIER
COLUMBIANA COUNTY
NOTICE OF VIOLATION (NOV)
CESQG
COMPLAINT NO. 7409**

Arthur Maroscher, Technical Director
MM Industries, Inc.
P.O. Box 720
36135 Salem Grange Road
Salem, Ohio 44460

Dear Mr. Maroscher:

On March 24, 2011, I, as a representative of the Ohio EPA Division of Hazardous Waste Management, conducted an inspection of MM Industries, Inc. (MM Industries) located at 36135 Salem Grange Road, Salem, for compliance with Ohio's hazardous waste and used oil laws and regulations. You represented MM Industries during the inspection.

Ohio EPA had received a complaint that MM Industries was mismanaging old paint, lacquer thinner and coolant and allowing it to leak onto the ground from a hopper that holds metal chips and turnings. During the inspection I observed that a hopper for metal chips and turnings from metal machining operations (i.e., the chip hopper) was located outdoors on a graveled area. The chip hopper was not covered to prevent precipitation from entering and had a hole about one inch in diameter near the bottom of one side wall.

The facility manufactures sieves, straining and filtration equipment and systems for many industries including: food, pharmaceutical, paints and coatings, ink and powder metals. The facility also repairs used sieves, straining and filtration equipment. Used equipment may have some of the client's process material adhering to it which must be removed prior to repair, which may be done on site or at an off-site contractor's facility.

The inspection included a review of the facility's operations, as well as waste management practices and documentation. MM Industries was inspected for the requirements of a conditionally exempt small quantity generator (CESQG) of hazardous waste because the facility apparently generates less than 220 pounds of hazardous waste in a calendar month. You should be aware if the facility ever generates more than 220 pounds of hazardous waste in a calendar month or accumulates more than 2,200 pounds of hazardous waste on site at any one time, it must comply with the Small

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Quantity Generator (SQG) or Large Quantity Generator (LQG) requirements. Guidance on this topic is attached for your reference.

This letter will explain the violations I found and steps you need to take to correct them. I found the following violations of Ohio's hazardous waste, used oil and universal waste laws and regulations:

1. OAC Rule 3745-52-11 Waste Evaluation

OAC Rule 3745-52-11 requires "Any person who generates a waste... [to] determine if that waste is a hazardous waste..."

The facility uses lacquer thinner as a solvent at several points in the manufacture of new equipment and repair of used equipment including: to clean paint guns at the paint booth area, to soak parts in a pan of lacquer thinner in the machining area, and to clean bearings with a brush in a pan of lacquer thinner in the assembly room. Additional lacquer thinner is used in small amounts on rags to wipe parts in several locations, for example, in the screen shop.

Based on the MSDS which you provided, and I reviewed, during the inspection, the lacquer thinner currently used at MM Industries includes the following constituents:

- Toluene (30-40%)
- Xylene (15-25%)
- Methyl Ethyl Ketone (12-17%)

This list of constituents is sufficient to conclude that when the lacquer thinner is used as a solvent and becomes spent, it is a hazardous waste carrying the waste codes of F003 and F005 and probably also carrying the codes of D001 (ignitable) and D035 (Methyl Ethyl Ketone).

The facility has an on-site distillation unit located near the paint booth that reportedly had been used previously to process spent lacquer thinner and to recover a re-usable recycled solvent. You reported that the distillation unit had not been used in over six months and that the recovered solvent did not have required solvent properties. Distillation unit solids or sludge from processing spent lacquer thinner would carry the waste codes of F003 and F005 and possibly also carry the codes of D001 (ignitable) and D035 (Methyl Ethyl Ketone).

Rags moistened with a small amount of lacquer thinner and then used to wipe down parts are probably not hazardous wastes so long as no free liquid is

present. Ohio EPA recommends recycling these rags by laundering at a commercial laundry.

The facility uses a machining coolant composed of an oil-based concentrate (ProGuard Soluble NC-215) diluted with water in its machine tools (e.g., lathes, milling machines, grinders).

The facility also generates other wastes that require evaluation including at a minimum:

- Rinse water from cleaning and/or degreasing screening on the new concrete pad. This step uses ZEP Industrial Purple which contains a caustic (sodium hydroxide) and 2-butoxyethanol. If the rinse water has a pH above 12.5, it is subject to regulation as a hazardous waste.
- Spent blasting media from sand blasters. The facility has several sand blasters, at least one of which could be used to clean used equipment that is to be repaired.

During the inspection, I observed two, 55-gallon drums located in the graveled area behind the building that were holding spent lacquer thinner liquids (approximately 3/4 full) and solids/sludge from lacquer thinner usage (approximately 10% full), respectively. I observed in the same area a partially full 55-gallon drum of used machining coolant.

You reported during the inspection that:

- These containers held about three months of accumulation;
- These containers were intended for management through Safety Kleen;
- Safety Kleen had only recently been contacted by the facility;
- No other wastes had yet been shipped to Safety Kleen;
- No documentation was available for any off-site shipments of any hazardous waste (e.g., spent lacquer thinner or any wastes derived from spent lacquer thinner, such as, distillation unit sludge or bottoms) or used coolant.

As we discussed during the inspection, there is a major disconnect between management practices for spent lacquer thinner and used coolant observed during the inspection and lack of information on practices prior to the recent facility contacts with Safety Kleen. The reported lack of any documentation of prior shipments from a facility that has been in the same business at the same location since the 1970's is a major discrepancy, as waste transportation and/or disposal companies usually use the hazardous waste manifest system for hazardous waste shipments from all hazardous waste generators, including

CESQGs. Lack of documentation suggests apparently unaccounted for wastes and creates a suspicion of possible improper disposal which would be a very serious violation.

To respond to this violation the facility must:

A. Develop a list of all wastes generated by the facility and evaluate to determine which are hazardous wastes using either generator knowledge, when appropriate, or TCLP Testing. At a minimum, the following wastes must be included:

- Spent lacquer thinner (including distillation unit residuals if it is ever used again).
- Used coolant.
- Bead blaster dust.
- Materials removed from used equipment that is to be repaired.
- Rinse water from cleaning and/or degreasing screening on the new concrete pad with ZEP Industrial Purple.

B. Develop and submit a plan describing how each waste will be managed in the future. The list developed in response to Item A is to be part of this plan.

C. Repair the hole in the chip hopper and also either manage precipitation that gets into the chipper hopper as oily waste water at a permitted off-site facility or install a cover to prevent precipitation from getting into the chip hopper.

Submit pictures of the repaired chip hopper and a statement on how precipitation that gets into the box will be managed.

Given the diverse sources that contribute to the following wastes, generator knowledge would not be appropriate and instead representative samples for TCLP testing will be required for:

- Bead blaster dust from all bead blasters that process parts from used equipment, and
- Waste removed from used equipment that is to be repaired.

Testing for pH will be required for representative samples of rinse water from cleaning and/or degreasing screening on the new concrete pad with ZEP Industrial Purple.

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Additional actions could be required based on the response submitted.

2. **OAC 3745-279-22(C) (1) Used Oil Containers Must Be Labelled With The Words "Used Oil"**

One, 55-gallon drum partially filled with used machining coolant was on site at the time of the inspection. Used machining coolants are regulated as used oil when recycled. The container was not labeled with the words "Used Oil".

Labeling the container during the inspection abated this violation. No further action regarding this violation is necessary at this time. In the future, all containers holding used oil should be marked with the words "Used Oil".

Guidance on management of used oil is enclosed for the facility's reference.

Submit a copy of the above requested documentation to this office within 30 days of receipt of this letter. Response correspondence should be sent to:

**Neil Wasilk
Northeast District Office
Ohio Environmental Protection Agency
2110 East Aurora Road
Twinsburg, OH 44087**

Enclosed you will find a copy of the checklists completed during the inspection.

CONCERNS

We discussed management of used lamps. A guidance document is attached which provides additional information.

Storage of hazardous waste outdoors in a graveled area risks spills that could involve expensive cleanups. The facility is encouraged to find a storage site that poses less risk from weather and spills, while not posing a fire risk.

Ohio EPA Division of Air Pollution Control has been notified of the paint booth operation and the pile of material, mainly pallets along with what appeared to be an old office chair, that appeared ready for open burning and that was located in the woods to the west of the graveled area.

Ohio EPA Division of Surface Water has been notified of the discharge from the area drain on the new concrete pad that is used for cleaning of screens with ZEP Industrial Purple Cleaner and which are then washed with a garden hose and discharged.

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Other Information

The division has created an electronic news service to provide you with updates related to hazardous waste activities in Ohio. You can find more information and sign up for this free service at the following Web link:

<http://ohioepa.custhelp.com/ci/documents/detail/2/subscriptionpage>.

You can find copies of the rules and other information on the division's web page at:
http://www.epa.ohio.gov/dhwm/laws_regs.aspx.

Present or past instances of non-compliance may be subjects of pending or future enforcement actions.

Should you have any questions regarding this letter, please contact me at (330) 963-1165.

Sincerely,



Neil J. Wasilk
Environmental Specialist
Division of Hazardous Waste Management

NJW:cl

Enclosure

ec: Natalie Oryshkewych, Ohio EPA, DHWM, NEDO
Nyall McKenna, Ohio EPA, DHWM, NEDO
Marlene Kinney, Ohio EPA, DHWM, NEDO

NOTICE:

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

Send to Central Office <input checked="" type="checkbox"/>	Ohio Environmental Protection Agency RCRA SUBTITLE C SITE IDENTIFICATION/VERIFICATION FORM	For Ohio EPA use only
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Completed verification forms required to be submitted to CO should be e-mailed to brad.hauser@epa.state.oh.us.

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: NON-NOTIFIER Name: MM Industries, Inc. Website: (Optional) Street Address: 36135 Salem Grange Road City, Town, or Village: Salem State: OH County Name: COLUMBIANA Zip Code: 44460 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: Arthur MI: Last Name: Maroscher Title: Technical Director Phone Number: 800-227-7487 Phone Number Extension: E-Mail Address: Fax Number: Fax Number Extension: Street or P.O. Box: P.O. Box 720, 36135 Salem Grange Road City, Town or Village: Salem State: OH Zip Code: 44460
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: Date Became Owner (mm/dd/yyyy): Owner Type: Private <input type="checkbox"/> County <input type="checkbox"/> District <input type="checkbox"/> Federal <input type="checkbox"/> Indian <input type="checkbox"/> Municipal <input type="checkbox"/> State <input type="checkbox"/> Other <input type="checkbox"/> Street or P.O. Box: City, Town or Village: Owner Phone #: State: Country: Zip Code: Name of Site's Operator: Date Became Operator (mm/dd/yyyy): Operator Type: Private <input type="checkbox"/> County <input type="checkbox"/> District <input type="checkbox"/> Federal <input type="checkbox"/> Indian <input type="checkbox"/> Municipal <input type="checkbox"/> State <input type="checkbox"/> Other <input type="checkbox"/> Street or P.O. Box: City, Town or Village: Operator Phone #: State: Country Zip Code:

VIOLATIONS CITED? Yes No

TYPE OF HANDLER - MARK "X" AS APPROPRIATE

<input type="checkbox"/> Not a HW Generator	<input type="checkbox"/> UNKNOWN: Cited for violation of 3745-52-11 <input type="checkbox"/> Short-Term/Temporary Generator (generates from a short-term or one-time event and not from on-going processes). Check the box for the applicable generator status and provide a comment.	<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"/> Hazardous Waste Transporter	<input type="checkbox"/> Exempt Boiler and/or Industrial Furnace
<input type="checkbox"/> Hazardous Waste Transfer Facility	<input type="checkbox"/> Small Quantity On-Site Burner Exemption
<input type="checkbox"/> Treater, Storer or Disposer of Hazardous Waste	<input type="checkbox"/> Smelting, Melting, Refining Furnace Exemption
<input type="checkbox"/> Recycler of Hazardous Waste	<input type="checkbox"/> Underground Injection Control Facility
<input type="checkbox"/> 72-Hour Recycler	<input type="checkbox"/> Receives Hazardous Waste from Off-site

UNIVERSAL WASTE ACTIVITIES (INDICATE TYPES OF UNIVERSAL WASTE MANAGED (CHECK ALL BOXES THAT APPLY))

Small Quantity Handler of Universal Waste Destination Facility for Universal Waste

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 Used Oil
 Used Oil Fuel Marketer who first claims the Used Oil meets the specifications

Eligible Academic Entities with Laboratories: Facility has previously notified that they are opting into managing laboratory hazardous waste pursuant to OAC rules 3745-52-200 through 3745-52-216. Check the box(es) below to indicate the laboratory type.

College or University
 Teaching hospital that is owned by or has a formal written affiliation agreement with a college or university
 Non-profit Institute that is owned by or has a formal written affiliation agreement with a college or university

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 or list them in the comments if more space is needed. If the waste codes are the same as listed in the most recent RCRAInfo source record, you do not need to list them. Instead just indicate the date of the most recent source record.

D001	F003	F005	D035	
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 type="checkbox"/> No		
Containers	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Name of Inspector(s) N. Wasilk	Name of Inspector(s)		Date of Inspection/Time (mm/dd/yyyy) (hh:mm) 03/24/2011 10:15 a.m.	
Comments:				

PROCESS DESCRIPTION

Facility:
EPA ID NO.: NON-NOTIFIER

MM Industries, Inc.
36135 Salem Grange Road
Salem, Ohio 44460

Facility manufactures equipment for sizing and classifying in industries like paints, pharmaceuticals. Facility does painting and machining. Also repairs used equipment. Sometimes there is a total rebuild of used equipment. Some pieces of used equipment are sent out for sandblasting prior to starting repairs. Sometimes lacquer thinner is used by the facility to remove client's grease and product from used equipment prior to starting repairs.

Coolant used for machining operations is a water-soluble oil, ProGuard Soluble NC-215, which is a mixture of hydrotreated oils and proprietary ingredients. Purchased product is mixed with water prior to use to create the coolant actually used. Reportedly a cleaner is used for the machining equipment when coolant is removed.

Solids from screen cleaning are swept up and put in the trash.

The facility uses lacquer thinner as a solvent at several points in the manufacture of new equipment and repair of used equipment including: to clean paint guns at the paint booth area, to soak parts in a pan of lacquer thinner in the machining area, and to clean bearings with a brush in a pan of lacquer thinner in the assembly room. Facility uses small pans, sometimes with brushes, to apply lacquer thinner and to soak parts in lacquer thinner; no large dip tanks. Additional lacquer thinner is used in small amounts on rags to wipe parts in several locations, for example, in the screen shop.

A distillation unit for spent lacquer thinner is present near the paint booth. Appeared to be about 5 gallon capacity. Reportedly not used in over 6 months. Reportedly recovered solvent was not of adequate quality.

Oil-based paints were observed near the paint booth. Lacquer thinner is used to clean paint guns.

Per the MSDS largest components of the lacquer thinner used are:
30-40% toluene
15-25% xylene
12-17% MEK

Spent solvent from this lacquer thinner is a hazardous waste carrying the waste codes of F003 and F005 and probably also carrying the codes of D001 (ignitable) and D035 (Methyl Ethyl

Ketone).

In the graveled area behind the building were the following drums of waste materials:

- One 55 gallon drum of spent lacquer thinner ($\approx 3/4$ full);
- One 55 gallon drum of sludge and paint solids from lacquer thinner ($\approx 10\%$ full).
- One 55 gallon drum of used machining coolant.

These drums were being accumulated in a drum located on gravel area behind building with the intent to ship to Safety Kleen. Facility had just recently contacted Safety Kleen. None had been shipped yet. Reportedly these drums represented about three months accumulation of lacquer thinner wastes.

A chip hopper for metal chips and turnings was nearby. Chip hopper open to the weather. There was a hole about 1 inch in diameter near the bottom of one side wall. About ten drums of scrap metal were also nearby.

A pile of material, mainly pallets along with what appeared to be an old office chair, appeared ready for open burning was located in the woods to the west of the graveled area.

Black stains, relatively small, were observed around a drum of fresh lacquer thinner near a gasoline tank.

An old barn is present and is now used for storage, primarily of cardboard boxes and miscellaneous supplies.

A new concrete pad is located behind the building which is used for grinding and cleaning of screens. Use ZEP Industrial Purple Cleaner which is washed off the parts with a garden hose. The area drain on the concrete pad goes to a culvert pipe which has its outlet about 100 feet from the pond located nearby. Per the ZEP MSDS, ZEP Industrial Purple contains a caustic (sodium hydroxide) and 2-butoxyethanol. No information available on pH of discharge.

Prior to cleaning the concrete pad, screens are stretched in the Screen Shop. In the Screen Shop some of the parts are wiped down with a small amount of lacquer thinner on a rag. A pile of damp used rags was present. Rags go into trash. No free liquids were observed on the rags.

Several sand blaster units are located in the machine shop. The largest one is only for new stainless steel rings prior to putting screens on the rings. Smaller unit could be used for used parts. Another intermediate size unit not was yet operational.

Used lamps reportedly taken to Home Depot. Metal turnings→scrap metal hopper→recycler

**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

GENERATOR CLASSIFICATION - TENTATIVE - COULD CHANGE BASED ON

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

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)] *PAST WASTE MANAGEMENT PRACTICES* Yes No N/A

TREATMENT OF HAZARDOUS WASTE NOT DOCUMENTED.

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.

MIX HAZARDOUS WASTE WITH USED OIL

5. Does the CESQG mix its hazardous waste with used oil for the purpose of burning for energy recovery? [3745-51-05(J)] If so: Yes No N/A

a. Does the CESQG manage the mixture in accordance with 3745-279-21? Yes No N/A

MM INDU. RIES

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 <i>FACILITY REPORTED TAKING USED LAMPS TO</i>		
1.	Did the SQUWH dispose of universal waste? [3745-273-11(A)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
<i>HOME DEPOT - NO DOCUMENTATION</i>		
2.	Did the SQUWH dilute or treat universal waste, except when responding to releases as provided in OAC rule 3745-273-17 or managing specific wastes as provided in OAC rule 3745-273-13? [3745-273-11(B)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
WASTE MANAGEMENT AND LABELING/MARKING		
UNIVERSAL WASTE BATTERIES - NONE OBSERVED		
3.	Are batteries that show evidence of leakage, spillage or damage that could cause leaks contained? [3745-273-13(A)(1)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
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 <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
5.	Are the casings of the batteries breached, not intact, or open (except to remove the electrolyte)? [3745-273-13(A)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
6.	If the electrolyte is removed or other wastes generated, has it been determined whether the electrolyte or other wastes exhibit a characteristic of hazardous waste? [3745-273-13(A)(3)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
a.	If the electrolyte or other waste is characteristic, is it managed in compliance with OAC Chapters 3745-50 through 3745-69? [3745-273-13(A)(3)(a)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
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 <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
7.	Are the batteries or containers of batteries labeled with the words "Universal Waste - Batteries" or "Waste Battery(ies)" or "Used Battery(ies)"? [3745-273-14(A)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
UNIVERSAL WASTE LAMPS - NONE OBSERVED		
8.	Does the SQUWH contain lamps in containers or packages that are structurally sound, adequate to prevent breakage, and compatible with contents of the lamps? Are containers or packages closed and do they lack evidence of leakage, spillage or damage that could cause leakage? [3745-273-13(D)(1)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
9.	Are lamps that show evidence of breakage, leakage or damage that could cause a release of mercury or hazardous constituents into the environment immediately cleaned up? Are they placed into a container that is closed, structurally sound, compatible with the contents of the lamps, and lack evidence of leakage, spillage or damage that could cause leakage or releases of mercury or hazardous waste constituents to the environment? [3745-273-13(D)(2)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
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 rule 3745-52-34). Crushed lamps must be transported by a registered hazardous waste transporter to a permitted hazardous waste facility using a hazardous waste manifest.		
10.	Are the lamps or containers or packages of lamps labeled with the words "Universal Waste - Lamp(s)" or "Waste Lamp(s)" or "Used Lamp(s)"? [3745-273-14(E)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>

ACCUMULATION TIME		
11.	Is the waste accumulated for less than one year? [3745-273-15(A)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
a.	If not, is the waste accumulated over one year in order to facilitate proper recovery, treatment or disposal? (Burden of proof is on the handler to demonstrate) [3745-273-15(B)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
<i>NOTE: Accumulation is defined as date generated or date received from another handler.</i>		
12.	Is the handler able to demonstrate the length of time the universal waste has been accumulated? [3745-273-15(C)] If yes, describe below:	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
EMPLOYEE TRAINING		
13.	Are employees who handle or have the responsibility for managing universal waste informed of waste handling/emergency procedures, relative to their responsibilities? [3745-273-16]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
RESPONSE TO RELEASES		
14.	Are releases of universal waste and other residues immediately contained? [3745-273-17(A)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
15.	Is the material released characterized? [3745-273-17(B)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
16.	If the material released is a hazardous waste, was it managed as required in OAC Chapters 3745-50 through 3745-69? (If the waste is hazardous, the handler is considered the generator of the waste and is subject to OAC Chapter 3745-52) [3745-273-17(B)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
OFF-SITE SHIPMENTS		
<i>NOTE: If a SQUWH self-transport waste, then the handler must comply with the Universal Waste transporter requirements.</i>		
17.	Are universal wastes sent to either another handler, destination facility or foreign destination? [3745-273-18(A)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
18.	Is the handler aware of DOT requirements for packaging and shipping? If no, make aware of 49 CFR 171-180.	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
19.	Prior to shipping universal waste off-site, does the originating handler ensure that the receiver agrees to receive the shipment? [3745-273-18(D)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
20.	Has the originating handler ever had an off-site shipment rejected by another handler or destination facility?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
a.	If yes, did the originating handler receive the waste back or agree to where the shipment was sent? [3745-273-18(E)(2)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
21.	If a handler rejects a partial or full load from another handler, does the receiving handler contact the originating handler and discuss and do <u>one of the following</u> :	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
a.	Send the waste back to the originating handler or send the shipment to a destination facility (If both the originating and receiving handler agree)? [3745-273-18(F)(2)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
22.	If the handler received a shipment of hazardous waste that was not a universal waste, did the SQUWH immediately notify Ohio EPA? [3745-273-18(G)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
EXPORTS		
23.	Is waste being sent to a foreign destination? If so:	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>

a.	Does the small quantity handler comply with primary exporter requirements in OAC rules 3745-52-53, 3745-52-56, and 3745-52-57? [3745-273-20(A)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
b.	Is waste exported only upon consent of the receiving country and in conformance with the U.S. EPA "Acknowledgment of Consent" as defined in OAC rules 3745-52-50 to 3745-52-57? [3745-273-20(B)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
c.	Is a copy of the U.S. EPA "Acknowledgment of Consent" provided to the transporter? [3745-273-20(C)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>

**USED OIL INSPECTION CHECKLIST
GENERATORS, COLLECTION CENTERS AND AGGREGATION POINTS**

NOTE: A facility is subject to the federal SPCC regulations (40 CFR 112) if it is non-transportation related (e.g., fixed) and has an aggregate above ground storage capacity greater than 1,320 gallons or a total underground storage capacity greater than 42,000 gallons of oil (including used oil), and there is reasonable expectation of a discharge to navigable waters.

PROHIBITIONS

1.	Does the generator manage used oil in a surface impoundment or waste pile? If yes:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>
a.	Is the surface impoundment or waste pile regulated as a hazardous waste management unit? [3745-279-12(A)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>

NOTE: For example, used oil contaminated scrap metal stored in a pile.

2.	Is used oil used as a dust suppressant? [3745-279-12(B)]	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>
3.	Is off-specification used oil fuel burned for energy recovery in devices specified in 3745-279-12(C)?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>

NOTE: Multiple used oil checklists may be applicable if used oil handler is performing multiple tasks (e.g., if generating used oil and shipping directly to a burner, complete generator and marketer checklists at a minimum).

GENERATOR STANDARDS - PRIOR MANAGEMENT PRACTICES NOT

4.	Does the generator mix hazardous waste with used oil? If so, <i>DOCUMENTED</i>	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
a.	Is the mixture managed as specified in 3745-279-10(B)? [3745-279-21(A)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>

NOTE: Used Oil mixed with listed (3745-51-30 to 3745-51-35) or characteristic (3745-51-20 to 3745-51-24) hazardous waste are subject to regulation as a hazardous waste, unless the listed hazardous waste is listed solely because it exhibits a hazardous characteristic, and the resultant mixtures do not exhibit a characteristic. Mixtures of used oil and CESQG hazardous waste are subject to OAC Chapter 3745-279.

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 <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
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NOTE: If used oil contains greater than 1000 ppm total halogens, it is presumed to be listed hazardous waste until the presumption is successfully rebutted.

6.	Does the generator store used oil in tanks; or containers; or a unit(s) subject to regulation as a hazardous waste management unit? [3745-279-22(A)]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
7.	Are containers and aboveground tanks used to store used oil in good condition with no visible leaks? [3745-279-22(B)]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
8.	Are containers, above ground tanks, and fill pipes used for underground tanks clearly labeled or marked "Used Oil?" [3745-279-22(C)]	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>
9.	Has the generator, upon detection of a release of used oil, done the following: [3745-279-22(D)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
a.	Stopped the release?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
b.	Contained the release?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
c.	Cleaned up and properly managed the used oil and other materials?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
d.	Repaired or replaced the containers or tanks prior to returning them to service, if necessary?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>

ON-SITE BURNING IN SPACE HEATER

10.	Does the generator burn used oil in used-oil fired space heaters? [3745-279-23] If so:	<i>NO</i>
a.	Does the heater burn only used oil that owner/operator generates or used oil received from household do-it-yourself (DIY) used oil generators?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>

b.	Is the heater designed to have a maximum capacity of not more than 0.5 million BTU per hour?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
c.	Are the combustion gases from heater vented to the ambient air?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>

NOTE: Ash accumulated in a space heater must be managed in accordance with 3745-279-10(E).

GENERATOR TRANSPORTATION

11.	Does the generator have the used oil hauled only by transporters that have obtained a U.S. EPA ID#?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
12.	If the generator self-transport used oil to an approved collection site or to an aggregation point owned by the generator: [3745-279-24]	
a.	Does the generator transport used oil in a vehicle owned by the generator or an employee of the generator?[3745-279-24]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
b.	Does the generator transport more than 55 gallons of used oil at any time?[3745-279-24]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>

NOTE: Used oil generators may arrange for used oil to be transported by a transporter without a U.S. EPA ID # if the used oil is reclaimed under a contractual agreement (i.e., tolling arrangement).

COLLECTION CENTERS AND AGGREGATION POINTS

13.	Is the DIY used oil collection center in compliance with the generator standards in 3745-279-20 to 3745-279-24? [3745-279-30]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
14.	Is the non-DIY used oil collection center registered with Ohio EPA? [3745-279-31]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
15.	Is the used oil aggregation point in compliance with the generator standards in 3745-279-20 to 3745-279-24? [3745-279-32]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>

NOTE: Complete Used Oil Generator and any other applicable used oil handler checklist (e.g., marketer, burner, etc.) for used oil collection centers and aggregation points.