



**Environmental
Protection Agency**

Ted Strickland, Governor
Lee Fisher, Lt. Governor
Chris Korleski, Director

Re: Mack Iron Works Co.
OHD004158556
Erie County
NOV

August 19, 2010

Mr. Peter Kowalski
Mack Iron Works Co.
124 Warren Street
Sandusky, Ohio 44870

Dear Mr. Kowalski:

Thank you for accompanying me during the August 3, 2010, hazardous waste compliance evaluation inspection (CEI) of Mack Iron Works Co. (Mack Iron) located at 124 Warren Street, Sandusky, Ohio. This inspection was conducted to determine Mack Iron's compliance with Ohio's hazardous waste laws as found in Chapter 3734. of the Ohio Revised Code (ORC), and Ohio's hazardous waste regulations as adopted under Chapter 3745. of the Ohio Administrative Code (OAC). The inspection included a tour of facility operations and a review of facility paperwork.

Mack Iron fabricates carbon and stainless steel to make hand rails, door frames, and pipeline strainers. At the time of inspection, Ohio EPA considered Mack Iron a conditionally exempt small quantity generator (CESQG) of hazardous waste due to the fact that they did not produce over 220 pounds (approximately 25-30 gallons) of hazardous waste in a calendar month. Hazardous waste generated at this facility is waste paint related material (F003, D001) from the priming of the handrails. Used oil is sent to Environmental Specialties. Mack Iron also generates fluorescent bulbs.

I found the following violations of Ohio's hazardous waste laws. In order to correct these violations you must do the following and send me the required information within 30 days of your receipt of this letter:

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

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

Mack Iron must immediately cease disposing of the fluorescent bulbs as non-hazardous waste until a proper waste evaluation has been completed.

Fluorescent bulbs typically contain mercury and other heavy metals which could make them a hazardous waste.

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Hazardous waste 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. During the inspection, I gave you a fact sheet outlining the universal waste rules for handlers of lamps and a list of fluorescent bulb recyclers. Please review this information and contact me if you have any questions.

In order to abate this violation, Mack Iron must submit to Ohio EPA documentation to demonstrate how you plan to properly manage your fluorescent bulbs. If Mack Iron plans to manage the spent fluorescent bulbs as universal waste (in lieu of conducting a waste evaluation), Mack Iron will need to submit photographic documentation showing the storage container properly labeled and dated. In addition, Mack Iron must submit the name of the facility where you plan to recycle the bulbs.

2. Waste Evaluation, OAC Rule 3745-52-11

"Any person who generates a waste, as defined in rule 3745-51-02 of the Administrative Code, must determine if that waste is a hazardous waste..."

Mack Iron failed to evaluate the paint booth filters from the paint booth prior to sending them off site for disposal.

In order for Mack Iron to determine whether the wastes listed above exhibit any hazardous waste characteristics, Mack Iron must take a representative sample of this waste to properly evaluate this waste stream through a laboratory analysis which lists constituents present and at what concentration. Mack Iron must sample the paint filters from the paint booth to determine the concentration of TCLP RCRA metals excluding Mercury and TCLP VOC as listed in the Ohio Administrative Code Rule 3745-51-24 following the method as outlined in U.S. EPA's SW-846. Mack Iron may run total concentrations for these constituents as a screening tool.

To abate this violation, Mack Iron must submit the analytical information to me. Your results must document if the waste is hazardous or not and whether it is restricted from land disposal. Mack Iron must also determine if any hazardous waste listings apply to the waste. If it is hazardous, you must explain what treatment, storage, or disposal facility you will send it to. If the waste is hazardous, I will determine the status of your compliance with other hazardous waste laws and notify you of my findings in a separate letter.

If you find ways to recycle, reduce, or altogether eliminate the amount of waste your company generates you may be able to reduce treatment and disposal costs. Furthermore, you may possibly reduce your regulatory requirements.

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Ohio EPA has helpful information about pollution prevention at the following web address:
<http://www.epa.ohio.gov/ocapp/>.

The Ohio Department of Development's Office of Energy Efficiency may be able to help with energy efficiency issues. Their website is at: <http://www.development.ohio.gov/cdd/oeef/>.

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/cgi-bin/ohioepa.cfg/php/enduser/doc_serive.php?2=subscriptionpage

Enclosed you will find a copy of the checklists that I completed as a result of the inspection. Please address all correspondence to Amy Heller, Ohio EPA, 347 N. Dunbridge Road, Bowling Green, Ohio 43402.

Should you have any questions, please feel free to call me at (419) 373-3058. You can find copies of the rules and other information on the division's web page at:
<http://www.epa.ohio.gov/dhwm/>

Sincerely,



Amy Heller
Division of Hazardous Waste Management

/cs

Enclosures

pc: Colleen Weaver, DHWM, NWDO
Cindy Lohrbach, DHWM, NWDO
~~DHWM, NWDO File: Erie County, Mack-Iron Works~~

ec: Amy Heller, 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.

Send to Central Office <input 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 kristina.durnell@epa.state.oh.us.

Site EPA ID No. Site Name	EPA ID Number: OHD004158556		Website: (Optional)
Site Location Information	Name: Mack Iron Works Co.		
Site Land Type (check only one) NAICS code(s) www.census.gov/epcd/www/naics.html	Street Address: 124 Warren Street	City, Town, or Village: Sandusky	
	State: OH	Zip Code: 44870	
	County Name: Erie	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"/>

Facility Representative Additional names can be recorded in number 12 Only provide address information if it is different than the site address	First Name: Peter	MI:	Last Name: Kowalski
	Phone Number: 419-626-3712		Phone Number Extension: 3200
	E-Mail Address:		
	Fax Number:		Fax Number Extension:
	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:		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?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
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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"/> 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

TYPE OF REGULATED WASTE ACTIVITY (MARK "X" IN ALL OF THE APPROPRIATE BOXES)	
<input type="checkbox"/> Recycler of Hazardous Waste <input type="checkbox"/> Underground Injection Control Facility <input type="checkbox"/> Hazardous Waste Transporter <input type="checkbox"/> Treater, Storer or Disposer of Hazardous Waste	<input type="checkbox"/> Exempt Boiler and/or Industrial Furnace <input type="checkbox"/> Small Quantity On-Site Burner Exemption <input type="checkbox"/> Smelting, Melting, Refining Furnace Exemption

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. 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 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.

F003 D001

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

Announced Yes No Additional Facility Representatives:
Tanks Yes No
Containers Yes No

Name of Inspector(s)
Amy Heller

Name of Inspector(s)

Date of Inspection/Time
(mm/dd/yyyy) (hh:mm)
08/03/2010

Comments:

PROCESS, WASTE, P2 SUMMARY SHEET

Facility Name: Mack Iron Works	Facility Type: CESQG	Date of Inspection: 8/3/2010	EPA ID #: OHD004158556
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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	Waste paint related materials	F003, D001	400 pounds every year		Safety Kleen		
2	Spent Fluorescent bulbs	Prbly universal waste	varies		Currently unknown, 52-11		
3	Used oil	n/a	Varies		Environmental Specialties		
4							
5							

**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: $\geq 1,000$ 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

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

**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

4.	Does the generator mix hazardous waste with used oil? If so,	Yes <input type="checkbox"/> No <input checked="" 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 checked="" 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 checked="" 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 checked="" type="checkbox"/> No <input 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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
a.	Stopped the release?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
b.	Contained the release?	Yes <input checked="" 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 checked="" 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 checked="" 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:	
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 that	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>

	0.5 million BTU per hour?	
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"/>
<i>NOTE: Ash accumulated in a space heater must be managed in accordance with 3745-279-10(E).</i>		
GENERATOR TRANSPORTATION		
11.	Does the generator have the used oil hauled only by transporters that have obtained a U.S. EPA ID#? [3745-279-24]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
12.	If the generator self-transported 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 checked="" 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 checked="" type="checkbox"/>
<i>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).</i>		
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"/>
<i>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.</i>		