



State of Ohio Environmental Protection Agency

Northeast District Office

2110 East Aurora Rd.
Twinsburg, Ohio 44087

TELE: (330) 963-1200 FAX: (330) 487-0769
www.epa.state.oh.us

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

March 31, 2010

RE: MIRMAT CNC MACHINING INC.
OHD 004 179 297
NOTICE OF VIOLATION

Miro Vujovic
Mirmat CNC Machining, Inc.
4550 Hamann Parkway
Willoughby, OH 44094

Dear Mr. Vujovic:

The Ohio EPA Division of Hazardous Waste Management conducted an inspection of Mirmat located at 4550 Hamann Pkwy., Willoughby, Ohio on March 15, 2010. One purpose of this was to determine if Mirmat was in compliance with Ohio's hazardous waste and used oil laws as found in Chapter 3734 of the Ohio Revised Code (ORC) and Chapter 3745 of the Ohio Administrative Code (OAC). Please see the attached Process and Waste Summary chart for my understanding of this facility's operations.

The following violations were found:

1. OAC rule 3745-52-11 – Hazardous waste determination.
This rule requires that any person who generates a waste must determine if that waste is a hazardous waste. The following document which explains this more was given to you during the inspection: Identifying Your Hazardous Waste, 2006
<http://www.epa.ohio.gov/portals/41/sb/publications/identifyingwaste.pdf>

Mirmat violated this rule by disposing of waste lamps (including fluorescent lamps) with regular trash without determining whether or not they are a hazardous waste. Fluorescent and some other types of lamps contain mercury and may contain other hazardous metals. The metal halide HID lamps you also use also contain mercury. When burned out they may be a hazardous waste. If you choose to gather data to make this determination, it will need to be done for each type of fluorescent lamp you use. As an alternative to determining whether your particular waste lamps are hazardous waste, you may wish to manage them as universal waste. In general, this would involve saving the waste lamps in a properly labeled and closed container (such as a cardboard box) and having them picked up by a lamp recycler.

The following document was given to you during the inspection:

Ohio's Universal Waste Rules: Are You Handling Used Lamps Correctly?, 2008
<http://www.epa.ohio.gov/portals/41/sb/publications/Lampcompliancechecklist.pdf>

Also local lamp recycling companies are listed in the following document which was given to you during the inspection: Waste Disposal and Recycling Companies in Northeast Ohio, 2009
Please send me a description of how you will now properly manage waste lamps.

2. OAC rule 3745-279-24 – Off-site shipments of used oil by generators.
This rule requires that generators ensure that their used oil is transported only by transporters who have obtained US EPA identification numbers, unless the generator qualifies for an exemption listed in this rule. A copy of the rule is enclosed. The following document describes the used oil rules and was given to you:
Overview for Ohio Businesses Who Generate Used Oil, 2006
<http://www.epa.ohio.gov/LinkClick.aspx?fileticket=XEq%2fu%2bpZGaM%3d&tabid=3923>

You generate 5 or 6 gallons of waste Ultrazol 5780 coolant every 3 to 4 months. This meets the definition of used oil. This is shipped off with your waste metal chips. Mirmat violated this rule by not having its used oil transported by a transporter that had obtained a US EPA identification number. You must now save your waste coolant in a drum or tote that is labeled as used oil. The following list of used oil haulers was given to you during the inspection and may be useful when you are ready to ship the used oil:

Registered Used Oil Transporters in Northeast Ohio, 2008

Please send me confirmation that you will now follow this rule.

The following additional documents were given to you during the inspection:

Onsite Pollution Prevention Assistance

<http://epa.ohio.gov/portals/41/p2/P2OnsiteBrochure.pdf>

E4S Sustainable Business to Business Directory

http://www.e4s.org/content/resource_energy_efficiency.asp

Midwest Combined Heat and Power Application Center

<http://www.chpcentermw.org/home.html>

Extending the Life of Metal Working Fluids, 1993

<http://www.epa.ohio.gov/ocapp/p2/fact11.aspx>

Pollution Prevention Opportunities, 2003

<http://epa.ohio.gov/portals/32/pdf/P2OppsGeneral.pdf>

Pollution Prevention (P2) Opportunities: Easy to Implement P2, 2009

<http://epaintra.epa.state.oh.us/dhwm/p2/EasytoImplementP28242006.pdf>

Sustainable/Green Business Toolkit

<http://epa.ohio.gov/LinkClick.aspx?fileticket=6PhtW3qaSyk%3d&tabid=2668>

Another purpose of the inspection was to look for ways you may be able to reduce your waste generation, conserve energy, and save money. Some sources of information regarding this are listed below:

- Ohio EPA's Office of Compliance Assistance and Pollution Prevention (OCAPP) provides compliance and pollution prevention assistance on environmental issues (including sources of funding) related to air, land, and water. They can be contacted at 800-329-7518 or <http://www.epa.ohio.gov/Default.aspx?alias=www.epa.ohio.gov/ocapp>
- Entrepreneurs for Sustainability is a group that seeks to "build a sustainable regional economy in Northeast Ohio that will create prosperity and total community health." They offer workshops, conferences, a business to business directory and more. Their website is at <http://www.e4s.org/content/index.asp>
- ENERGY STAR is a government-backed program helping businesses and individuals protect the environment through superior energy efficiency. Their website is at: <http://www.energystar.gov/>

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- There are various funding options for environmental projects. For example, a tax deduction of up to \$1.80 per square foot is available to owners or designers of new or existing commercial buildings that save at least 50% of the heating and cooling energy of a building that meets ASHRAE Standard 90.1-2001. Partial deductions of up to \$.60 per square foot can be taken for measures affecting any one of three building systems: the building envelope, lighting, or heating and cooling systems. These tax deductions are available for systems placed in service from January 1, 2006 through December 31, 2013. More information regarding this can be found at: http://www.irs.gov/irb/2006-26_IRB/ar11.html More information regarding other funding options can be found at: <http://epa.ohio.gov/ocapp/funding.aspx>
- Ohio Bureau of Workers' Compensation has an OSHA On-Site Consultation service which includes free on-site safety inspections and consultation, safety program assistance, and safety and hygiene training or seminars. More information can be found at: <http://www.ohiobwc.com/employer/programs/safety/SandHOSHAOnSite.asp>

You can find copies of the regulations and other information on the Division of Hazardous Waste Management web page at <http://epa.ohio.gov/dhwm>.

If you have any questions, please contact me at (330) 963-1217 or robert.almquist@epa.state.oh.us

Sincerely,



Robert Almquist
Division of Hazardous Waste Management

RA:ddw

Enclosures

cc: Marlene Kinney, DHWM, NEDO
ec: Frank Popotnik, DHWM, NEDO
Harry Sarvis, DHWM, CO
Natalie Oryshkewych, 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

Ohio Environmental Protection Agency

For Ohio EPA use only

**RCRA SUBTITLE C SITE
IDENTIFICATION/VERIFICATION FORM**
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: OHD 004 179 297		Website: (Optional)						
	Name: Mirmat								
Site Location Information	Street Address: 4550 Hamann Pkwy								
	City, Town, or Village: Willoughby		State: OH						
	County Name: Lake		Zip Code: 44094						
Site Land Type (check only one) NAICS code(s) www.census.gov/epcd/www/naics.html	Private	County	District	Federal	Indian	Municipal	State	Other	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<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: Miro		MI:	Last Name: Vujovic					
	Title: president								
	Phone Number: 440-951-2410				Phone Number Extension:				
	E-Mail Address: mirmatcnc@aol.com								
	Fax Number: 440-951-2412				Fax Number Extension:				
	Street or P.O. Box:								
	City, Town or Village:								
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: Miro Vujovic				Date Became Owner (mm/dd/yyyy): 1993				
	Owner Type:	Private	County	District	Federal	Indian	Municipal	State	Other
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Street or P.O. Box: same								
	City, Town or Village:				Owner Phone #:				
	State:				Country:		Zip Code:		
	Name of Site's Operator:				Date Became Operator (mm/dd/yyyy):				
	Operator Type:	Private	County	District	Federal	Indian	Municipal	State	Other
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<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 checked="" 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"/> Short-Term Generator (generates from a short-term or one-time event and not from on-going processes). <i>Check the box for the applicable generator status and provide a comment.</i>	<input type="checkbox"/> Small Quantity Generator (SQG)
		<input 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"/> 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"/> Receives Hazardous Waste from Off-site |

UNIVERSAL WASTE ACTIVITIES (INDICATE TYPES OF UNIVERSAL WASTE MANAGED)

(CHECK ALL BOXES THAT APPLY)

- | | |
|---|---|
| <input checked="" 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 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.

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)
Robert Almquist

Name of Inspector(s)
Ed D'Amato

Date of Inspection/Time
(mm/dd/yyyy) (hh:mm)
03-15-10

Comments:

Process and Waste Summary for:				
Mirmat, OHD 004 179 297, NG, 3-15-10 inspection				
#	Process generating the waste	Waste details	On-site management	Off-site management
1	Lighting	Waste fluorescent and metal halide HID lamps		Disposed of in regular trash (solid waste)
2	Machining, 99% on steel, 1% on aluminum	Waste Ultrasol 5780 coolant, 5 or 6 gallons every 3 to 4 months	Leak proof outside chip hopper	Weingold (a metal scrap facility)
3	Machining, 99% on steel, 1% on aluminum	Metal chips and some coolant	Leak proof outside chip hopper	Weingold (a metal scrap facility)

**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 <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>
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GENERATOR CLASSIFICATION

2.	Does the generator produce <100 kg. of hazardous waste per month? [conditionally exempt small quantity generator ("CESQG")]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
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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 <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
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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 <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
	b. Tank that meets 3745-66-90 to 3745-66-101 except 3745-66-97(C)?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
	c. Drip pads that meet 3745-69-40 to 3745-69-45?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
	d. Containment building that meets 3745-256-100 to 3745-256-102?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>

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 <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
	a. Does the CESQG manage the mixture in accordance with 3745-279-21?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>

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

NOTE: 1. 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.

2. Inspectors can check BUSTR's web-site at https://www.comapps.ohio.gov/sfm/fire_apps/bust/bustr/PublicInquiry.asp to determine if a UST containing used oil is registered with BUSTR. Inspectors may call BUSTR at 614-752-7938 or a BUSTR site coordinator to report an unregistered UST or a UST that appears to not be in compliance with BUSTR regulations. A list of BUSTR coordinators by county are at: https://www.comapps.ohio.gov/sfm/fire_apps/bust/bustr/SearchByCounty.asp.

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"/>
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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 type="checkbox"/>
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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"/>
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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"/>
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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"/>
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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"/>
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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 type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
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7.	Are containers and aboveground tanks used to store used oil in good condition with no visible leaks? [3745-279-22(B)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
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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 type="checkbox"/> N/A <input type="checkbox"/>
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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"/>
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a.	Stopped the release?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
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b.	Contained the release?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
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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"/>
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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"/>
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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 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"/>
<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 type="checkbox"/> No <input checked="" 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 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"/>
<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 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 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 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>		