



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

Re: Arnold Machine Inc.
OHR000153395
Seneca County
NOV

February 20, 2013

Mr. Zach Arnold, President
Arnold Machine Inc.
19 Heritage Drive
Tiffin, Ohio 44883

Dear Mr. Arnold:

On January 31, 2013, the Ohio EPA conducted a hazardous waste compliance evaluation inspection (CEI) of Arnold Machine Inc. (Arnold) located at 19 Heritage Drive, Tiffin, Ohio. This inspection was conducted to determine Arnold'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). Arnold was represented by Chad Woessner, General Manager, and you. Ohio EPA was represented by me. The inspection included a tour of the facility and review of facility paperwork. This letter will explain the violation I found and what you need to do to correct this violation.

Arnold is a manufacturer of custom designed and built automated equipment for such industries as the automotive industry. Arnold is a conditionally exempt small quantity generator (CESQG) of hazardous waste. Arnold had notified on May 6, 2009, as a small quantity generator (SQG) of hazardous waste. Hazardous waste generated on-site includes paint related waste (D001, D005, D006, D007, F003, F005) and parts washing solvent (D039). Other wastes generated are paint booth filters and lamps.

During the CEI, I was unable to determine how the paint booth filters and lamps from your facility were managed (the staff had already left for the day). Mr. Woessner emailed me on February 7, 2013, stating that after discussing with the staff, he was unsure how the lamps and paint booth filters are managed.

During the CEI, I gave you the following information: the Ohio EPA fact sheets Universal Waste Rules for Handlers of Lamps; Fluorescent Lamps: What you Should Know; Identifying your Hazardous Waste a sample universal waste management plan for lamps; a list of lamp recyclers in Ohio; a list of generator categories and a list of paperwork needed during an inspection.

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I found the following violations of Ohio's hazardous waste laws. Arnold needs to immediately take the necessary measures to return to compliance with Ohio's environmental laws. **Within 14 days of receipt of this letter**, Arnold is requested to provide documentation to this office including the steps taken to abate the violations cited below.

Documentation of steps taken to return to compliance includes written correspondence, updated policies, and photographs, as appropriate, and may be submitted via the postal service or electronically to amber.hicks@epa.ohio.gov.

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

Any person who generates a waste must determine if that waste is a hazardous waste in accordance with the criteria for hazardous waste as set forth in Chapter 3745-51 of the Administrative Code.

- A. Arnold failed to have waste evaluation documentation or an established recycling plan in place for the fluorescent bulbs generated at the facility. It is unknown how the facility is currently managing its fluorescent bulbs.
- On February 7, 2013, Mr. Woessner emailed me stating that lamps will now be managed as universal waste including being recycled at Environmental Recycling.
 - ***Thus this portion of the violation is abated.***
- B. Arnold has failed to adequately evaluate its parts washing solvent. The parts washing solvent is currently being sent off-site as a D039, hazardous waste (tetrachloroethylene). According to the Material Safety Data Sheet (MSDS) that Mr. Woessner submitted to me this parts washing solvent is 100% petroleum distillates (not tetrachloroethylene). In addition, Arnold should evaluate to determine the flashpoint and metals. According to the MSDS for the product solvent, the flashpoint is 148 degrees Fahrenheit (which is above the regulatory limit). However, I would recommend Arnold confirm the flashpoint for the waste generated from the parts washing solvent.

A waste evaluation can be conducted by taking a representative sample of this waste to properly evaluate this waste stream through a laboratory analysis which lists constituents present and at what concentration.

Arnold should sample the parts washing solvent waste to determine the Toxicity Characteristic Leaching Procedure (TCLP) concentrations of **all Resource Conservation and Recovery Act (RCRA) metals** (excluding mercury), **Flashpoint** and any **other regulated constituents** that may be present in the waste in light of the materials or the processes used as listed in OAC Rule 3745-51-24 following the methods as outlined in U.S. EPA's SW-846. You will need to ensure to collect **at least 100 grams of waste** to properly run the TCLP test.

- ***To abate this violation, please submit your analytical information to me. During the CEI, you discussed getting rid of your parts washer. If you decide to no longer utilize the parts washer, please let me know.***
- C. Arnold has failed to evaluate the paint filters from the painting booth to determine if they are hazardous. It is unknown how the paint booth filters are currently being managed.

A waste evaluation can be conducted by taking a representative sample of this waste to properly evaluate this waste stream through a laboratory analysis which lists constituents present and at what concentration. Arnold must sample the paint filters from the painting booth to determine the TCLP concentrations of **all Resource Conservation and Recovery Act (RCRA) metals** (excluding mercury) and any **other regulated volatile organic constituents (VOCs)** including **methyl ethyl ketone (D035)** that may be present in the waste in light of the materials or the processes used as listed in OAC Rule 3745-51-24 following the methods as outlined in U.S. EPA's SW-846. You will need to ensure to collect **at least 100 grams of waste** to properly run the TCLP test.

- ***To abate this violation, Arnold must submit the analytical information from sampling to me. Your results must document if the waste is hazardous or not and, if hazardous, whether it is restricted from land disposal. 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.

Please consult the fact sheet Identifying your Hazardous Waste given to you during the CEI. Safety-Kleen Systems, your current waste hauler, may be able to assist you in sampling.

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I have also enclosed a list of Commercial Environmental Laboratories which you could call. You may also be able to find assistance by looking under Environmental Consultants or Services in the phone book.

In addition, I have enclosed the Ohio EPA fact sheet: Handling Paint Waste from your Business and a fact sheet I found on the Internet from the Environmental Protection Commission of Hillsborough County (Florida) entitled Paint Booth Filters which explains the proper management of paint booth filters.

When sampling is performed, please notify me at least seven days prior to taking the samples so that I or an Ohio EPA representative may be present.

Please be advised that the violation cited above will continue until the violation has been properly abated. Failure to comply with Chapter 3734 of the Ohio Revised Code and rules promulgated thereunder may result in a civil penalty of up to \$10,000 per day for each violation. It is imperative that you return to compliance. If circumstances delay the abatement of violations, Arnold is requested to submit written correspondence of the steps that will be taken by date certain to attain compliance.

General Comments:

As discussed during the CEI, Arnold on at least one occasion has become very close to being a SQG of hazardous waste (based both on looking at xylene inventory as well as waste generated/shipped off). The facility has consistently been a CESQG, but on several occasions has teetered around 25-27 gallons of waste generated per month. We discussed at length training the employees to use only the amount of solvent needed to complete their tasks, not being wasteful and you discussed even removing the parts washer. Training your employees to ensure to only use what is needed not only saves you money (both in product purchase and waste disposal) but it could also result in decreased regulatory burden.

As noted above your parts washing waste was coded as a D039 hazardous waste though you were unsure where you would be generating tetrachloroethylene. Likewise your painting waste is currently being manifested off-site as D001, D005, D006, D007, F003, F005 hazardous waste. You may wish to do a waste evaluation (perform analytical, review of MSDSs, speak with Safety-Kleen) pertaining to the coding of this waste to ensure that it is correct. If you need compliance assistance, Ron Nabors in the Office of Compliance Assistance and Pollution Prevention can assist you. Mr. Nabors' contact information is ron.nabors@epa.state.oh.us or 419-373-3147. Or feel free to contact me as well.

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Pollution Prevention:

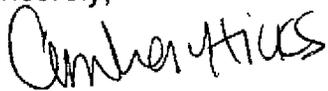
If you find additional ways to recycle, reduce, or altogether eliminate the amount of waste that your company generates you may be able to reduce treatment and disposal costs. Furthermore, you may possibly reduce your regulatory requirements. Or if you would like a free, non-regulatory on-site pollution prevention assessment or more information about pollution prevention, please contact me at (419) 373-3082. Ohio EPA has helpful information about this at the following web address:
<http://epa.ohio.gov/ocapp/ComplianceAssistanceandPollutionPrevention.aspx>.

The Division of Materials and Waste Management (DMWM) has created an electronic news service to provide you with quick and timely updates on events and news related to hazardous waste activities in Ohio. If you haven't already, we encourage you to sign-up for this free service. You can find more information at the following Web link <http://ohioepa.custhelp.com/ci/documents/detail/2/subscriptionpage>. Please feel free to share this information with your colleagues.

Enclosed you will find a copy of the checklists that I completed during the inspection. Please address all correspondence via the postal service to Amber Hicks, Ohio EPA, 347 North Dunbridge Road, Bowling Green, Ohio 43402 or electronically to amber.hicks@epa.ohio.gov. Should you have any questions, please feel free to call me at (419) 373-3082 or email me at amber.hicks@epa.ohio.gov. I have enclosed my business card as well.

You can find copies of the rules and other information on the division's web page at <http://epa.ohio.gov/dmwm/dmwmrules.aspx>.

Sincerely,



Amber M. Hicks
Division of Materials and Waste Management

/cg

Enclosures

pc: Lisa Gifford, DMWM, NWDO
Colleen Weaver, DMWM, NWDO (w/ checklist)
ec: Amber Hicks, DMWM, NWDO
Colleen Weaver, DMWM, 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 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 RCRAInfo.Data@epa.state.oh.us.

Site EPA ID No. Site Name	EPA ID Number: OHR000153395		Website: www.arnoldmachine.com (Optional)	
Site Location Information	Name: Arnold Machine Inc.			
Site Land Type (check only one) NAICS code(s) www.census.gov/epcd/www/naics.html	Street Address: 19 Heritage Drive		City, Town, or Village: Tiffin	
State: OH	County Name: Seneca		Zip Code: 44883	
<input checked="" type="checkbox"/> 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
33329	<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: Zach		MI:	Last Name: Arnold	
Title: President	Phone Number: 419-443-1818		Phone Number Extension:		
E-Mail Address: zach@arnoldmachine.com	Fax Number: 419-443-1823		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: ASC Leasing LLC		Date Became Owner (mm/dd/yyyy):		
Owner Type:	<input checked="" type="checkbox"/> 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:	Name of Site's Operator:		Date Became Operator (mm/dd/yyyy):		
Operator Type:	<input type="checkbox"/> 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"/> Large Quantity Generator (LQG)
<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"/> 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"/> 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))

<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 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 D005 D006 D007 D039 F003 F005

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: Chad Woessner, General Manager
Tanks	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
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)
Amber Hicks		01/31/13 14:21

Comments:

PROCESS, WASTE, P2 SUMMARY SHEET

Facility Name: Arnold Machine Inc.
Facility Type: LQG
 SQG
 CESQG
 TSD
Date of Inspection: 1-31-13
EPA ID#: OHR000153395

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	Painting activities	Waste paint related material/D001, D005, D006, D007, F003, F005	~18 gallons	NA	Safety-Kleen Systems - Kentucky - fuel blending prior to energy recovery at another site.	Using for fuel blending.	
2	Lighting	Lamps	Unsure		Facility was unsure. Now is recycling.	Facility has begun to recycle with Environmental Recycling.	
3	Maintenance activities	Parts washing solvent/D039	~4.5 gallons		Safety-Kleen Systems - Kentucky - fuel blending prior to energy recovery at another site.	Using for fuel blending.	
4	Painting activities	Paint booth filters	Unsure		Facility was unsure. Cited for 52-11.		
5							
6							

7							
8							
9							

REMARKS, GENERAL INFORMATION

General Process Information:

** I provided the facility with the Ohio EPA fact sheet on used oil and stated in my letter that if/when used oil is generated from the forklift this material should be recycled as outlined in the fact sheet.

Regulatory/Enforcement History (if applicable):

Additional P2 remarks and information:

Would this facility be interested in a P2 assessment? Yes* No *If yes, refer promptly to your district P2 coordinator.
 Office of Compliance Assistance and Pollution Prevention - 1-800-329-7518 or p2mail@epa.state.oh.us or www.epa.state.oh.us/ocapp/ocapp.html

Other:

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