



State of Ohio Environmental Protection Agency

**Northwest District Office**

347 North Dunbridge Road  
Bowling Green, OH 43402-9398

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

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

Re: OHR000040931  
Fulton County  
NOV

February 12, 2009

Mr. Pat Harmon  
Bailey PVS Oxides  
6191 County Road 10  
Delta, Ohio 43515

Dear Mr. Harmon:

On December 4, 2008, Colleen Weaver and I, representing Ohio EPA's Division of Hazardous Waste Management (DHWM) visited Bailey PVS Oxides (hereafter Bailey), located at 6191 County Road 10 in Delta, Ohio, to conduct an announced hazardous waste focused inspection. We met with Joshua Belczyk. Mr. Belczyk, at the time of this letter, is no longer employed with Bailey. The purpose of the inspection was to determine Bailey's compliance with Ohio's hazardous waste laws as adopted under Chapter 3734 of the Ohio Revised Code (ORC) and Chapter 3745 of the Ohio Administrative Code (OAC) with respect to the June 1, 1999, Variance from Waste Classification (VWC) issued by the director of Ohio EPA. The inspection included a review of the facility's operations and paperwork. Specifically, we focused on clean up activities and current waste management.

Bailey received a VWC to receive spent pickle liquor from Worthington Steel Company's facilities located in Delta and Monroe, Ohio and Porter, Indiana. Bailey's VWC expired on June 1, 2004, but has been allowed to operate under the expired VWC per Ohio EPA until the Director issues or denies a renewal per Ohio EPA letter dated June 2, 2004.

Bailey operates a reclamation process which generates raw pickle liquor and iron oxide. Bailey tries to minimize the amount of hazardous waste generated by finding recycling outlets for byproducts generated from their process. Hazardous wastes (K062) which are generated include, trench solids removed from the pump room, clinker, contaminated debris (e.g., scrubber packing material), etc. However, much of this hazardous waste is not managed as K062, but managed as a solid waste utilizing the high temperature metal recovery (HTMR) exclusion which is found in OAC Rule 3745-51-03(C)(2)(a)(iii)(a)&(b).

Bailey currently operates a process on site which is a joint venture with Delta Ferrites. This now enables Bailey to convey all of the iron oxide over to a new process building where it is calcined and the resulting product, ferrite powder, is used in the magnetic industry. Due to this new process, Bailey is not operating the bulk loading system at this time. Bailey is currently shipping material in 2000 pound supersaks.

Bailey is currently operating as a conditionally exempt small quantity generator of hazardous waste. Bailey generates used oil, parts washer solvent (part of a continued use program) and universal waste batteries. In 2008, Bailey operated as a large quantity generator in the month of May. This is when roll-off boxes of K062 were generated as part of an on-going clean up process.

Based on the inspection, I have identified the following violations:

- 1) **Manifest, Exception Report, OAC Rule 3745-52-42(A)(2):** At the time of our inspection, there were two manifests that you did not have signed copies for (#002875357 and #002875360). If you do not receive a copy of a manifest within 35 days (when you are operating as a large quantity generator), you must notify the disposal facility. If you do not have a copy from the disposal facility within 45 days, you must submit an exception report to Ohio EPA.

Bailey did not submit an exception report to Ohio EPA. An exception report must include copies of the manifests for which you did not receive confirmation of delivery and also a cover letter signed by the generator (Bailey) explaining efforts taken to locate the hazardous waste and the results of those efforts.

On January 13, 2009, I received signed copies from EQ Detroit of the two manifests in question. ***To abate this violation, Bailey must provide me written procedures as to how you will ensure that signed manifests are received and kept on file when you are operating as a small or large quantity generator. You must also submit an exception report to Ohio EPA if this happens again in the future.***

The following violations were previously cited on July 21, 2006 as a result of our April 12, 2006 compliance inspection. These violations are currently being handled by the Ohio Attorney General's Office. I will list each violation below and discuss any findings from our December 2008 inspection.

**1.a. ORC §3734.02 (E) and (F) Unlawful Disposal of Hazardous Waste/ VWC V.1.c. Unpermitted Storage of K062 hazardous waste**

Bailey disposed/stored hazardous waste (K062) on site in the retention pond (surface impoundment) without first obtaining a hazardous waste installation and operation permit. On October 18, 2000, Bailey had a release of K062 spent pickle liquor (SPL) from an above ground storage tank. Ohio EPA's Division of Emergency and Remedial Response (DERR) reported that 36,000 gallons was released from the storage tank which had ruptured. The SPL released into the storm sewer system on the east side of the tank storage area. SPL was observed in the catch basin in the lot area and in the downstream retention pond. Samples were taken for pH in the storm sewer catch basins (upstream/downstream from the pond), retention pond and in the storm sewer catch basin before discharge from the property on the east side. Samples taken and visual observation proved that SPL was present in all areas. No SPL went off-site because the weir to the retention pond was closed. At the time of our inspection, the weir remained closed. Bailey does not have a permit to discharge wastewater off-site and therefore, all storm drainage is directed to this retention pond.

This release, coupled with K062 run-off (from the entire area north of the warehouse and plant where material was and still is on the ground) to storm sewer catch basins, has caused the retention pond (surface impoundment) to become an unpermitted storage/land disposal unit area for K062 hazardous waste.

***During our December 4, 2008, inspection, there did not appear to be any new contamination in this area. There has not been any new release to the pond since the release of K062 spent pickle liquor (SPL) from an above ground storage tank on October 18, 2000.***

**1.b. ORC §3734.02 (E) and (F) Unlawful Disposal of Hazardous Waste/ VWC V.1.c.  
Failure to clean up spills and releases of unmarketable Iron Oxide**

Bailey disposed of hazardous waste (K062) on-site. Iron oxide that did not meet the high temperature metals recovery (HTMR) exclusion (OAC rule 3745-51-03(C)(2)(a)(iii)(a)&(b)) remains on the ground and in torn supersacks. This material has been on-site since 1999 and is considered K062 hazardous waste.

During our April 2006, inspection, Mr. Belczyk stated that in 1999, Bailey had accumulated hundreds of supersacks containing at the time reclaimed K062 iron oxide. You stated that these supersacks accumulated on-site in this quantity due to a decrease in the market and the fact that there may have been a quality issue with the iron oxide first produced at the site. The supersacks were located in the southwest quadrant of the facility and in all other "open" areas of the facility. Over time, these supersacks became weathered and torn and began to release iron oxide onto the ground. In 2002, Bailey began to remediate this area. The iron oxide waste was sectioned off by quadrant to determine which sections could be managed as solid wastes - per the HTMR exclusion found in OAC rule 3745-51-03(C)(2)(a)(iii)(a)&(b) and which quadrants would have to be managed as hazardous waste. The iron oxide from quadrants which met the exclusion was shipped off-site to a solid waste landfill. Ohio EPA did not receive the notification and certification required by OAC rule 3745-51-03(C)(2)(a)(iii)(b) which should have been sent to the Director by December 31, 2005. Bailey must submit this immediately. The rule will provide details on what information should be included.

In the Fall of 2005, Bailey began to screen iron oxide material that did not meet the exclusion to remove debris. By removing the debris, Bailey intended to market this material to PVS Chemicals as a product for use in their ferric chloride production operations (per Bailey letter to Ohio EPA, Amber Hicks, October 19, 2005). However, some of this material remains in a pile on the ground and is not being managed as valuable product. For example, the material in this pile has been exposed to the elements (e.g., runoff, wind dispersal) and truck traffic has been allowed to track the hazardous waste off-site (by backing into it, which was observed during our inspection). If this is a valuable product, it must be containerized and handled properly.

***In May 2008, Bailey removed all visually contaminated topsoil, replaced it with new soil and reseeded the area where the supersacks were once staged (located in the west/southwest portion of the property). Bailey shipped seven roll off boxes to EQ Detroit as hazardous waste spent pickle liquor sludge(K062, D002).***

Bailey also disposed of iron oxide material on the ground in the transformer area on the north side of the pump house building. Iron oxide is on the ground in large amounts in this area. We observed approximately 3 inch thick material in this area. This material must be cleaned up and managed as hazardous waste K062.

***In Spring 2008, Bailey removed iron oxide material from the paved area and surrounding areas north of the pump house building.***

Additionally, there was visual contamination where previously remediated iron oxide material that met the HTMR exclusion and other product was once staged which includes the new construction area (northwest of the facility). Contamination also may be occurring from iron oxide dust blowing into this area. This area must be cleaned up prior to the construction being completed.

***In May 2008, Bailey removed all visually contaminated topsoil, replaced it with new soil and reseeded the area where there was iron oxide on the ground (located in the west/northwest portion of the property). Bailey shipped seven roll off boxes to EQ Detroit as hazardous waste spent pickle liquor sludge(K062, D002). Construction of Delta Ferrite Joint Venture was completed prior to the clean up.***

Lastly, Bailey must address the area on the west side of the property behind the warehouse. Bailey had staged clinker material, dust collection material and some regular iron oxide material here. Several of the supersack bags were torn and spilling on to the ground and need to be repacked. Mr. Belczyk had stated that these materials should not be outdoors. Ohio EPA is concerned further contamination due to runoff and wind dispersion will occur, causing potentially more extensive remediation of the site. If this is indeed product, it must be handled in the appropriate manner.

***During our December 4, 2008, inspection, it was observed that this area is now the location where black oxide is being stored.***

***In Spring 2009, Bailey is planning to screen iron oxide material that remains and utilize it in the ferrite process. This material is located between the Bailey warehouse and the new plant on the south side of the drive.***

Bailey disposed of hazardous waste (K062) on-site. Per condition\_V.1.c. of the June 1, 1999, VWC, Bailey is required to manage all unusable residues including iron oxide material, as K062.

Bailey must submit a closure plan to address the areas of contamination discussed in violations 1.a. and 1.b.

During our April 2006 inspection, we observed iron oxide material blowing across the property as a truck was being loaded with product. The loading system was not operating correctly. The ports on the truck were open causing more iron oxide to escape. In addition to submitting a closure plan as stated, Bailey must also provide documentation that the loading system is operating properly and what procedures will be taken in the future to prevent iron oxide from escaping into the air and onto the ground.

***As of our December 4, 2008, inspection, no bulk loading is being done at this time. All material is being directly conveyed to Delta Ferrites.***

Since Bailey violated ORC §3734.02(E) and (F), Bailey is subject to all applicable general facility standards found in OAC chapters 3745-54 and 55. Additionally, at any time Ohio EPA may assert its right to have Bailey begin facility-wide cleanup pursuant to the Corrective Action process under Ohio law.

**2. ORC §3734.02(F) Unlawful Disposal of Hazardous Waste/ VWC V.1.c. Disposal of K062 hazardous waste as solid waste**

During the inspection, packing material, debris and sweepings were seen in the solid waste dumpster. You stated that these types of materials are normally managed and sent off site as solid waste. These materials were either coated with K062 waste iron oxide or were K062 iron oxide dust (e.g., sweepings). These materials are typically generated during monthly maintenance shutdowns. Any waste containing SPL or iron oxide is considered hazardous (K062) if it is not put back into your processing as set forth in VWC V.1.c. Bailey is in violation of this law for failing to transport their hazardous waste K062 to a permitted hazardous waste disposal facility.

Bailey must submit information on the ultimate disposal of this hazardous waste. You must submit any manifests, land disposal restriction forms, etc. that accompanied this waste off-site. If the waste went to a solid waste landfill, you must submit to this office, the name and location of the solid waste landfill and date that this material was shipped off-site.

**During our December 4, 2008, inspection, we did not discuss the ultimate disposal of this material. You must provide me with this information in writing.**

**3. Annual Variance Reporting, VWC.V.1.b.**

Bailey must report information required in VWC V.1.a. on an annual basis with the first report required due on March 1, 2001. The following is a history of annual reports received by Ohio EPA's Columbus office:

|                |  |
|----------------|--|
| Dates received | Reporting from 2000 due 3/1/01 received 6/5/01   |
|                | Reporting from 2001 due 3/1/02 not received      |
|                | Reporting from 2002 due 3/1/03 not received      |
|                | Reporting from 2003 due 3/1/04 received 10/18/04 |
|                | Reporting from 2004 due 3/1/05 received 3/25/05  |
|                | Reporting from 2005 due 3/1/06 received 3/31/06  |

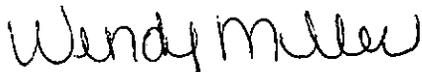
Bailey has not been submitting these reports in a timely manner and also has not submitted the information to Ohio EPA's Northwest District Office which is considered a violation of VWC.V.1.b. To abate this violation, you must submit to me procedures on how you will ensure that these reports are received by March 1<sup>st</sup> of each reporting year.

Mr. Pat Harmon  
February 12, 2009  
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***Bailey submitted Reporting from 2006 due 3/1/07 on March 1, 2007.***  
***Bailey submitted Reporting from 2007 due 3/1/08 on March 4, 2008.***

Enclosed you will find the checklists from my December 4, 2008, inspection. Please respond to the violation (#1) cited from that inspection and provide me with the documentation within the next 14 days. If you have any questions, please contact me via email or at (419)373-3114.

Sincerely,



Wendy Miller  
Division of Hazardous Waste Management  
Ohio EPA, Northwest District Office

/cs/

Enclosures

Cc: (Bailey PVS-Oxides NWDO File)  
Amanda Sturm, AGO  
Colleen Weaver, DHWM-NWDO  
Mitch Mathews, DHWM-CO  
Mark Barber, DAPC-NWDO

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

|                       |
|-----------------------|
| For Ohio EPA use only |
|-----------------------|

E-mail this completed form to  
[tammy.mcconnell@epa.state.oh.us](mailto:tammy.mcconnell@epa.state.oh.us) or mail it to Tammy  
McCConnell, Central Office

|  |  |                                     |                                      |   |                                     |                                       |                                       |                                   |                                   |
|--|--|-------------------------------------|--------------------------------------|---|-------------------------------------|---------------------------------------|---------------------------------------|-----------------------------------|-----------------------------------|
| 2. Site EPA ID No.   | EPA ID Number: OHR000040931                              |                                     |                                      |   |                                     |                                       |                                       |                                   |                                   |
| 3. Site Name   | Name: Bailey PVS Oxides                                  |                                     |                                      |   | Website:<br>(Optional)              |                                       |                                       |                                   |                                   |
| 4. Site Location Information   | Street Address: 6191 Co. Road 10                         |                                     |                                      |   |                                     |                                       |                                       |                                   |                                   |
|  | City, Town, or Village: Delta                            |                                     |                                      |   | State: OH                           |                                       |                                       |                                   |                                   |
|  | County Name: Fulton                                      |                                     |                                      |   | Zip Code: 43515                     |                                       |                                       |                                   |                                   |
| 5. Site Land Type<br>(check only one)  | Private<br><input checked="" type="checkbox"/>           | County<br><input type="checkbox"/>  | District<br><input type="checkbox"/> | Federal<br><input type="checkbox"/>   | Indian<br><input type="checkbox"/>  | Municipal<br><input type="checkbox"/> | State<br><input type="checkbox"/>     | Other<br><input type="checkbox"/> |                                   |
| 6. NAICS code(s)<br><a href="http://www.census.gov/epcd/www/naics.html">www.census.gov/epcd/www/naics.html</a>   |  |                                     |                                      |   |                                     |                                       |                                       |                                   |                                   |
| 7. Facility Representative<br><br>Additional names can be recorded in number 12<br><br>Only provide address information if it is different than the site address | First Name: Patrick                                      |                                     |                                      | MI:   | Last Name: Harmon                   |                                       |                                       |                                   |                                   |
|  | Phone Number: 419-822-4479                               |                                     |                                      |   | Phone Number Extension:             |                                       |                                       |                                   |                                   |
|  | E-Mail Address:  |                                     |                                      |   |                                     |                                       |                                       |                                   |                                   |
|  | Fax Number:  |                                     |                                      |   | Fax Number Extension:               |                                       |                                       |                                   |                                   |
|  | Street or P.O. Box:                                      |                                     |                                      |   |                                     |                                       |                                       |                                   |                                   |
|  | City, Town or Village:                                   |                                     |                                      | State:  |                                     |                                       | Country:                              |                                   | Zip Code:                         |
|  |  |                                     |                                      |   |                                     |                                       |                                       |                                   |                                   |
| 8. Legal Owner and Operator of the Site List<br>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<br><input type="checkbox"/> | County<br><input type="checkbox"/>   | District<br><input type="checkbox"/>  | Federal<br><input type="checkbox"/> | Indian<br><input type="checkbox"/>    | Municipal<br><input type="checkbox"/> | State<br><input type="checkbox"/> | Other<br><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):  |                                       |                                       |                                   |                                   |
|  | Owner Type:  | Private<br><input type="checkbox"/> | County<br><input type="checkbox"/>   | District<br><input type="checkbox"/>  | Federal<br><input type="checkbox"/> | Indian<br><input type="checkbox"/>    | Municipal<br><input type="checkbox"/> | State<br><input type="checkbox"/> | Other<br><input type="checkbox"/> |
|  | Street or P.O. Box:                                      |                                     |                                      |   |                                     |                                       |                                       |                                   |                                   |
|  | City, Town or Village:                                   |                                     |                                      |   | Operator Phone #:                   |                                       |                                       |                                   |                                   |
|  | State:   |                                     |                                      | Country:  |                                     | Zip Code:                             |                                       |                                   |                                   |
| 9. Violations Cited?   | <input type="checkbox"/> Yes <input type="checkbox"/> No |                                     |                                      |   |                                     |                                       |                                       |                                   |                                   |
| 10A. Type of Regulated Waste Activity (Mark "X" in all of the appropriate boxes)   |  |                                     |                                      |   |                                     |                                       |                                       |                                   |                                   |
| <input type="checkbox"/> Not Regulated   |  |                                     |                                      | <input checked="" type="checkbox"/> Conditionally Exempt Small Quantity Generator |                                     |                                       |                                       |                                   |                                   |
| <input type="checkbox"/> UNKNOWN: Cited for violation of 3745-52-11  |  |                                     |                                      | <input type="checkbox"/> United States Importer of Hazardous Waste                |                                     |                                       |                                       |                                   |                                   |
| <input type="checkbox"/> Large Quantity Generator (LQG)  |  |                                     |                                      | <input type="checkbox"/> Mixed Waste (Hazardous and Radioactive) Generator        |                                     |                                       |                                       |                                   |                                   |
| <input type="checkbox"/> Small Quantity Generator (SQG)  |  |                                     |                                      |   |                                     |                                       |                                       |                                   |                                   |
| <input type="checkbox"/> Hazardous Waste Transporter   |  |                                     |                                      | <input type="checkbox"/> Exempt Boiler and/or Industrial Furnace                  |                                     |                                       |                                       |                                   |                                   |
| <input type="checkbox"/> Treater, Storer or Disposer of Hazardous Waste  |  |                                     |                                      | <input type="checkbox"/> Small Quantity On-Site Burner Exemption                  |                                     |                                       |                                       |                                   |                                   |
| <input type="checkbox"/> Recycler of Hazardous Waste   |  |                                     |                                      | <input type="checkbox"/> Smelting, Melting, Refining Furnace Exemption            |                                     |                                       |                                       |                                   |                                   |
| <input type="checkbox"/> Underground Injection Control Facility  |  |                                     |                                      |   |                                     |                                       |                                       |                                   |                                   |

|   |  |  |  |
|---|--|--|--|
| 10B. Universal Waste Activities (Indicate types of universal waste managed (check all boxes that apply))  |  |  |  |
| <input checked="" type="checkbox"/> <b>Small Quantity Handler of Universal Waste</b>  |  | <input type="checkbox"/> <b>Large Quantity Handler of Universal Waste</b><br>(accumulates 5,000 kg. or more) |  |
| <input type="checkbox"/> <b>Destination Facility for Universal Waste</b>  |  |  |  |
| Check all boxes below that apply for each of the three types of facilities above  |  | 10C. Used Oil Activities (Indicate Type(s) of Activity(ies))   |  |
|   | <b>Managed</b>                                 | <input checked="" type="checkbox"/> <b>Used Oil Generator</b>  | <input type="checkbox"/> <b>Off-Specification Used Oil Burner</b>                            |
| <b>Batteries</b>  | <input checked="" type="checkbox"/>            | <input type="checkbox"/> <b>Used Oil Transporter</b>   | <input type="checkbox"/> <b>Used Oil Fuel Marketer Who Directs Shipment of Off-Spec. Oil</b> |
| <b>Pesticides</b>   | <input type="checkbox"/>                       | <input type="checkbox"/> <b>Used Oil Transfer Facility</b>   | <input type="checkbox"/> <b>Used Oil Fuel Marketer to Off-Specification Used Oil Burner</b>  |
| <b>Mercury containing equipment</b>   | <input type="checkbox"/>                       | <input type="checkbox"/> <b>Used Oil Processor</b>   |  |
| <b>Lamps</b>  | <input checked="" type="checkbox"/>            | <input type="checkbox"/> <b>Used Oil Re-refiner</b>  |  |
| 11. Waste Codes for Federally Regulated Hazardous Wastes. Please list the codes for the federally regulated hazardous waste handled at the site. List them in the order they are presented in the regulations (e.g., D001, D003, F007, U112). Use an additional page if more space is needed. If there are more than 7 waste codes and they are the same as listed in the most recent RCRAInfo source record, you do not need to list them all. Instead just indicate the date of the most recent source record.  |  |  |  |
| <b>K062</b>   |  |  |  |
| 12. Comments: Use this area to describe whether the inspection was announced, whether the waste is stored in tanks or containers, etc.  |  |  |  |
| <b>Announced</b>  | <input checked="" type="checkbox"/> <b>Yes</b> | <input type="checkbox"/> <b>No</b>   | <b>Additional Facility Representatives:</b> _____  |
| <b>Tanks</b>  | <input type="checkbox"/> <b>Yes</b>            | <input checked="" type="checkbox"/> <b>No</b>  | <b>Other Comments:</b>   |
| <b>Containers</b>   | <input checked="" type="checkbox"/> <b>Yes</b> | <input type="checkbox"/> <b>No</b>   |  |
| 13. Name of Inspector(s)  |  | Name of Inspector(s)   | Date of Inspection/Time (mm/dd/yyyy) (hh:mm)   |
| <b>Wendy Miller, Colleen Weaver</b>   |  |  | <b>12/4/2008 10:30 am</b>  |
| 14. OPTIONAL CERTIFICATION. I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. |  |  |  |
| Signature of Owner, Operator, or an Authorized Representative   |  | Name and Title (Print)   | Date (mm/dd/yyyy)  |
|   |  |  |  |

## PROCESS, WASTE, P2 SUMMARY SHEET

Facility Name: Bailey PVS Oxides

Facility Type: CESQG

Date of Inspection: 12/4/08

EPA ID#: OHR000040931

| Waste Generated  |   |  | On- or Off-Site Management                                      |   | P2 Activities         |                  |
|--|---|--|---|---|-----------------------|------------------|
| Process/Activity Generating Waste<br><small>(e.g. plating bath, machining, baghouse, painting, general maintenance, etc)</small> | Waste Description<br><small>(e.g. sludge, solvent, ash, used oil, spent lamps, etc.) and EPA Waste Code, if applic.</small> | QTY Generated per Month, Type of Accumulation (container, tank, etc) and location of waste accumulation area | Type of On-Site Treatment<br><small>(recycle, wwt, etc)</small> | Name, state, and type of activity occurring at the off-site facility. | Current P2 Activities | P2 Opportunities |
| 1 Tank area-cleaning   | K002  | < 20 gal / 1/2 drum  |   | S-K   |                       |                  |
| 2 Parts washing  | solvent   |  | recycle -   | S-K<br>part of continuous use program                                 |                       |                  |
| 3 universal waste -  | bulbs / batteries   |  | recycle   | SK  |                       |                  |
| 4 obsolete paint   | paint   | 1 X<br>2175 P.   |   | SK  |                       |                  |
| 5 maintenance  | used oil  |  | recycle   | SK  |                       |                  |
| 6  |   |  |   |   |                       |                  |
| 7  |   |  |   |   |                       |                  |
| 8  |   |  |   |   |                       |                  |

**REMARKS-GENERAL INFORMATION**

**General Process Information:**

**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](mailto:p2mail@epa.state.oh.us) or [www.epa.state.oh.us/ocapp/ocapp.html](http://www.epa.state.oh.us/ocapp/ocapp.html)

**Other:**

**RCRA HAZARDOUS WASTE CLASSIFICATION VARIANCE  
INSPECTION CHECKLIST for Bailey-PVS Oxides, L.L.C.  
(Generator: Worthington Steel Corporation: Delta, Porter, Monroe)**

**COMPANY:**

|                    |                   |                          |              |
|--------------------|-------------------|--------------------------|--------------|
| <b>Name:</b>       | Bailey PVS Oxides | <b>EPA ID#:</b>          | OHR000040931 |
| <b>Street:</b>     | 6191 Co. Rd. 10   | <b>City:</b>             | Delta        |
| <b>County:</b>     | Fulton            | <b>State:</b>            | Ohio         |
| <b>Zip:</b>        | 43515             | <b>Telephone Number:</b> | 419-822-4479 |
| <b>Fax Number:</b> | 419-822-4497      |                          |              |

**OWNER/OPERATOR:**

|                          |  |                    |  |
|--------------------------|--|--------------------|--|
| <b>Name:</b>             |  | <b>City:</b>       |  |
| <b>Street:</b>           |  | <b>Zip:</b>        |  |
| <b>County:</b>           |  | <b>State:</b>      |  |
| <b>Telephone Number:</b> |  | <b>Fax Number:</b> |  |

**CONTACT PERSON OR PRINCIPLE OFFICE INFORMATION**

|                          |            |                    |  |
|--------------------------|------------|--------------------|--|
| <b>Name:</b>             | Pat Harmon | <b>City:</b>       |  |
| <b>Street:</b>           |            | <b>Zip:</b>        |  |
| <b>County:</b>           |            | <b>State:</b>      |  |
| <b>Telephone Number:</b> |            | <b>Fax Number:</b> |  |

**INSPECTION INFORMATION**

|                              | NAME  | AFFILIATION                                  | PHONE NUMBER |
|------------------------------|---|--|--------------|
| <b>Inspectors:</b>           | Colleen Weaver  | Ohio EPA                                     | 419-373-3059 |
| <b>Inspectors:</b>           | Wendy Miller  | Ohio EPA                                     | 419-373-3114 |
| <b>Inspection Dates:</b>     | 12/04/2008  | <b>Time(s):</b>                              | 10:30-       |
| <b>Inspection Announced?</b> | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | <b>If so, how much advance notice given?</b> | 9-10 days    |
| <b>Facility: Rep(s)</b>      | Joshua Belczyk  |  |              |

Variance from Waste Classification Issue date: June 1, 1999

Variance Terminates: June 1, 2004

Additional  
checklists: CESQG  
Univ. Waste  
Used Oil

## Bailey-PVS Oxides, L.L.C.

### Background

Bailey-PVS Oxides, L.L.C. (BPO) operates and maintains a spent pickle liquor (SPL) reclamation facilities at various locations in the United States and abroad. On June 12, 1998, BPO submitted an application for a variance from classification as a waste for SPL produced from steel manufacturing operations at certain facilities in Ohio. BPO accepts SPL from Worthington Steel Company's facilities located in Delta and Monroe, Ohio and Porter, Indiana. The use of SPL to produce iron oxide and pickle liquor will eliminate the disposal of the iron component of the pickle liquor. Variance was issued June 1, 1999. Variance terminates 5 years after the effective date. Application for renewal must be submitted to the Ohio EPA Director.

| General Variance Compliance  |   |  |
|--|---|--|
| 1.   | Is the reclaimed materials used for the purpose for which it was originally produced when it is returned to the original process? (IV.f)  | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> |
| Variance Expiration/Termination  |   |  |
| 2.   | Has the expiration date of the variance passed? June 1, 2004? (XII) If yes,   |  |
|  | a. Did the Applicant provide written notice to the Ohio EPA promptly after the date of any of the following? (V.n)  | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> |
|  | i. Applicant no longer owns and/or operates the Facility?   | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> |
|  | ii. Applicant no longer engages in the management of SPL and/or Recyclable Material at the Facility?  | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> |
|  | iii. The effective period of the variance terminates on June 1, 2004?   | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> |
| 3.   | Within 30 days after any events described in question #2, did Applicant prepare and submit to Ohio EPA a Sampling and Remediation Plan (SRP) that meets the requirements of OAC rules 3745-66-11(A) and (B), 3745-66-14 and 3745-66-97 unless Ohio EPA extended variance? (V.p) |  |
| 4.   | Once Applicant received approval from Ohio EPA of the SRP, did the Applicant implement the approved SRP in accordance with the requirements of OAC 3745-66-11(A) and (B) and 3745-66-14 and the specifications and schedule contained in the approved SRP? (V.g)                | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> |
| 5.   | Within 60 days after completion of work required by the approved SRP, did the Applicant submit to Ohio EPA a certification that the work was conducted in accordance with the approved SRP? (V.r)   | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> |
| Site Entry-Availability of Records   |   |  |
| 5.   | If the contact person changed his/her address or telephone numbers, did the owner/operator or contact person provide the Director with the new address or telephone number? [ORC §3752.05(D) and OAC rule 3745-352-35(D)]   | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> |
| 6.   | Has Applicant provided access to Ohio EPA at reasonable times for the following:  |  |
|  | a. Monitoring implementation of the variance? (VII.a)   | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> |
|  | b. Conducting sampling? (VII.b)   | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> |
|  | c. Inspecting and copying records, operating logs, contracts, and other documents and information related to the implementation or use of this variance? (VII.c)  | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> |
|  | d. Verifying any data and other information submitted to Ohio EPA? (VII.d)  | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> |
| Recordkeeping/Operating Requirements   |   |  |
| 7.   | Has Applicant provided Ohio EPA upon request copies of all documents and information related to issuance, use and implementation of this variance? (VI)   | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> |
| <i>Note: See variance (VI) for specifics and issues related to trade secret confidentiality.</i> |   |  |
| 8.   | Does the Applicant record and retain, as long as this variance is in effect, documentation of the following: (V.2.a)  | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> |

|  |  |   |
|--|--|---|
| a.   | Analysis of each incoming load of SPL and Certain Hazardous Waste? (Fe, HCL content, metal analysis and visual observation)  | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>                                  |
| b.   | Amounts of SPL from covered generators?  | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>                                  |
| c.   | Amounts of Certain Hazardous Waste received from each hazardous waste generator?   | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>                                  |
| d.   | Periodic analysis of regenerated acid and iron oxide products (material spec is 18-19% hydrochloric acid; III.1.r)?  | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>                                  |
| e.   | Does SPL received meet material spec of 17-30 % FeCl <sub>2</sub> ? (III.1.k, Attachment E)  | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>                                  |
| f.   | Amount of iron oxide produced, sold, and disposed of by the Applicant?   | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>                                  |
| g.   | Amount of SPL from Worthington that is disposed of?  | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>                                  |
| h.   | Amount of Certain Hazardous Waste received from hazardous waste generators that is disposed of by the Applicant?   | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>                                  |
| i.   | Amounts of Regenerated Acid (RA) distributed to persons who operate steel pickling operations and who are not Covered Generators?  | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>                                  |
| j.   | Amounts of pickle liquor returned to each of the Covered Generators?   | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>                                  |
| 9.   | Does Applicant report the information in question #8 on an annual basis by March 1 <sup>st</sup> to Ohio EPA? (V.2.b)  | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>                                  |
| <b>Material Handling/Minimization of Loss</b>  |  |   |
| 10.  | Does the Applicant manage and clean up any spills or releases of SPL, Certain Hazardous Waste and Recyclable Materials occurring at the Facility? (V.2.c)  | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/><br>no new releases               |
| 11.  | Does the Applicant manage cleanup debris and releases that cannot be used in the reclamation process as K062 hazardous waste in accordance with all applicable Ohio EPA hazardous waste rules? (V.2.c)               | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/><br>or handled as HTMR            |
| 12.  | Does the Applicant handle and store SPL, Certain Hazardous Waste and Recyclable Materials in such a manner as to minimize their release into the environment? (V.2.d)  | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>                                  |
| <i>Note: The Applicant provides details about how it will minimize releases into the environment in the Application (Attachments F, G, and N).</i> |  |   |
| a.   | Does Applicant respond to spills and releases of SPL, Certain Hazardous Waste and Recyclable Material in accordance with procedures described in the <i>Best Management Practices Plan</i> ? (IV.10.c, Attachment U) | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/><br>• no spills or releases noted |
| b.   | Is the Facility inspected every two hours? (IV.10.c)   | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/><br>• not evaluated               |
| c.   | Are any leaks in the tank farm contained in the containment and sump system, and then pumped into acid reclamation/iron oxide process? (IV.10.c)   | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/><br>• no leaks                    |
| d.   | Are all liquid transfers done on the truck pad of the loading/unloading area? (IV.10.c)  | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>                                  |

|                       |  |  |
|-----------------------|--|--|
| e.                    | Are liquids collected from sump pumped to tank farm for storage? (IV.10.c)   | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>   |
| f.                    | Does the Applicant maintain a loading and unloading plan that includes procedures for the proper connecting and disconnecting of valves?   | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>   |
| g.                    | Is the loading/unloading of SPL and Regenerated Acid (RA) from trucks performed only in the containment areas at the truck loading/unloading facilities?   | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>   |
| h.                    | Has the containment area at the tank farm and loading/unloading area been altered to contain less than 60,000 gallons of liquid?   | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>   |
| i.                    | Is the pump floor constructed such that any leaks drain to a common sump and are pumped back into the reclamation system?  | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>   |
| j.                    | Is the alarm system and gauges at PLC check points operational?  | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>   |
| k.                    | Are the HCL vapors from the truck loading/unloading air displacement handled recaptured via the wet scrubbing system?  | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>   |
| 13.                   | Does the Applicant maintain the following at the Facility and revise as necessary: (V.2.d)   |  |
| a.                    | Spill Response Plan and Spill Report Log?  | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>   |
| b.                    | Procedures for unloading and loading transport vehicles?   | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>   |
| c.                    | Employee Training Plan and Schedule?   | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>   |
| d.                    | Best Management Practices Plan, and associated Facility inspection logs and operating logs (i.e., Shift Reports, Daily Operating Summaries, Plant Equipment Inspection Report)?<br>And,  | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/><br>revised 4/10/08                      |
| e.                    | Emergency Response Plan?   | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>   |
| 14.                   | Does the Applicant maintain the condition and integrity of equipment used to handle, store, convey, contain and reclaim SPL, Certain Hazardous Waste and Recyclable Materials? (V.2.e)   |  |
| <b>Transportation</b> |  |  |
| 15.                   | Does the Applicant sign the manifest for Certain Hazardous Waste received from a generator who is not a Covered Generator and comply with OAC rule 3745-65-71? (V.2.g)   | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/><br>only take from "covered" generators  |
| 16.                   | Does the Applicant comply with OAC rule 3745-65-76 when Certain Hazardous Waste is accepted at the Facility with no accompanying manifest? (V.2.h)   | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/><br>all SPL received w/ proper paperwork |
| 17.                   | Does the Applicant stage, hold, or store Certain Hazardous Waste in transport vehicles for longer than 8 hours after the vehicle arrives at the Facility before unloading Certain Hazardous Waste into the storage tanks prior to reclamation? (V.2.i) | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>   |
| 18.                   | Does the Applicant maintain a record of the following for each   | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>   |

not evaluated during CEI

not evaluated

|  |  |   |
|--|--|---|
| transport vehicle: (V.2.j)   |  |   |
| a.   | The time the vehicle arrived at the Facility?  | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>  |
| b.   | The time the vehicle was unloaded?   | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>  |
| c.   | The volume of SPL or Certain Hazardous Waste received?<br>And,   | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>  |
| d.   | The name of the generator or Covered Generator?  | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>  |
| 19.  | Does the Applicant maintain the records mentioned above in question #18 for a minimum of three (3) years?  | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>  |
| <b>Emergency Preparedness/Inspections &amp; Monitoring</b>                   |  |   |
| 20.  | Is a physical walk-through inspection of the containment area/plant performed every 2 hours?   | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>  |
| 21.  | Is each physical walk-through inspection recorded on a checklist report similar to that submitted in the application as the Daily Operating Summary?   | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>   |
| 22.  | Is the Emergency Coordinator(s) listed in the Applicant's Emergency Action Plan current?   | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>  |
| 23.  | If there was an emergency since the last inspection, did the Emergency Coordinator follow the duties and responsibilities listed in the Applicant's Emergency Action Plan?   | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/><br>no emergency actions  |
| 24.  | Has Applicant used the Inspection & Monitoring checklist provided in Attachment F of the Application?  | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>  |
| 25.  | Does Applicant follow the employee training program outlined in Attachment G of the Application?   | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>  |
| 26.  | Since the last inspection, if a spill occurred, did Applicant follow the spill response procedures provided as the Applicant's Emergency Action Plan?  | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>  |
| 27.  | Does Applicant manage unusable residues generated at the Facility from storage or reclamation of SPL and Recyclable Material, and any iron oxide and Regenerated Acid (RA) generated at the facility that will be disposed as K062 hazardous waste in accordance with all applicable Ohio EPA hazardous waste regulations? (V.2.l) | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/><br>2 drums accumulating<br>K062 in tank farm<br>Containment -<br>CESQG amounts |
| <i>Note: Inspector should then complete other checklists as appropriate.</i> |  |   |

not evaluated

not evaluated

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

CESQG:  $\leq$  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  $\geq$ 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?<br>[3745-52-11] | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> |
|----|--|--|

**GENERATOR CLASSIFICATION**

|    |   |  |
|----|---|--|
| 2. | Does the generator produce $<$ 100 kg. of hazardous waste per month?<br>[conditionally exempt small quantity generator ("CESQG")] | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> |
|----|---|--|

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"/> |
|----|---|--|

**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.

Bailey PVS Oxides  
 [Facility Name/Inspection Date]  
 12-4-08 [ID number]  
 CESQG/ June 2008  
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**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  No  N/A
- a. Is the surface impoundment or waste pile regulated as a hazardous waste management unit? [3745-279-12(A)] Yes  No  N/A
2. Is used oil used as a dust suppressant? [3745-279-12(B)] Yes  No  N/A
3. Is off-specification used oil fuel burned for energy recovery in devices specified in 3745-279-12(C)? Yes  No  N/A

*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  No  N/A
- a. Is the mixture managed as specified in 3745-279-10(B)? [3745-279-21(A)] Yes  No  N/A

*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  No  N/A

*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  No  N/A
7. Are containers and aboveground tanks used to store used oil in good condition with no visible leaks? [3745-279-22(B)] Yes  No  N/A
8. Are containers, above ground tanks, and fill pipes used for underground tanks clearly labeled or marked "Used Oil"? [3745-279-22(C)] Yes  No  N/A

Bailey P/S Oxides  
[Facility Name/Inspection Date]  
[ID Number]  
 10/4/08  
 Used Oil Checklist for Generators  
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9. Has the generator, upon detection of a release of used oil, done the following: [3745-279-22(D)]
- a. Stopped the release? Yes  No  N/A
- b. Contained the release? Yes  No  N/A
- c. Cleaned up and properly managed the used oil and other materials? Yes  No  N/A
- d. Repaired or replaced the containers or tanks prior to returning them to service, if necessary? Yes  No  N/A

**ON-SITE BURNING IN SPACE HEATER**

10. Does the generator burn used oil in used-oil fired space heaters? [3745-279-23] If so: Yes  No  N/A
- 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  No  N/A
- b. Is the heater designed to have a maximum capacity of not more than 0.5 million BTU per hour? Yes  No  N/A
- c. Are the combustion gases from heater vented to the ambient air? Yes  No  N/A

**GENERATOR TRANSPORTATION**

11. If the generator self-transport used oil to an approved collection site or to an aggregation point owned by the generator: [3745-279-24] Yes  No  N/A
- a. Does the generator transport used oil in a vehicle owned by the generator or an employee of the generator?[3745-279-24] Yes  No  N/A
- b. Does the generator transport more than 55 gallons of used oil at any time?[3745-279-24] Yes  No  N/A

*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**

12. 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  No  N/A
13. Is the non-DIY used oil collection center registered with Ohio EPA? [3745-279-31] Yes  No  N/A
14. Is the used oil aggregation point in compliance with the generator standards in 3745-279-20 to 3745-279-24? [3745-279-32] Yes  No  N/A

*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.*

Keyword: UsedOilChecklistforGenerators.Oct.2007.doc

**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**

|    |   |  |
|----|---|--|
| 1. | Did the SQUWH dispose of universal waste? [3745-273-11(A)]  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/> |
| 2. | Did the SQUWH dilute or treat universal waste, except when responding to releases as provided in 3745-273-17 or managing specific wastes as provided in 3745-273-13? [3745-273-11(B)] | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> |

**WASTE MANAGEMENT & LABELING/MARKING**

**UNIVERSAL WASTE BATTERIES** *batteries are being held as universal waste - however all were alkaline.*

|    |  |  |
|----|--|--|
| 3. | Are battery(ies) 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 checked="" 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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> |
| 5. | Does the SQUWH conduct any of the following activities:  |  |
|    | a. Sort batteries by type?   | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> |
|    | b. Mix battery types in one container?   | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> |
|    | c. Discharge batteries to remove the electric charge?  | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> |
|    | d. Regenerated used batteries?   | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> |
|    | e. Disassemble them into individual batteries or cells?  | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> |
|    | f. Remove batteries from consumer products?  | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> |
|    | g. Remove the electrolyte from the battery?  | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> |
|    | If so, are the casings of the batteries breached, not intact, or open (except to remove the electrolyte)? [3745-273-13(A)(2)]  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/> |
| 6. | If the electrolyte is removed or other waste generated, has it been determined whether it is a hazardous waste? [3745-273-13(A)(3)]  | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> |
|    | a. If the electrolyte or other waste is characteristic, is it managed in compliance with 3745-50 through 3745-69? [3745-273-13(A)(3)(a)]   | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" 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 checked="" type="checkbox"/> |
| 7. | Are the battery(ies) of container(s) of batteries labeled with the words "Universal Waste - Batteries" or "Waste Battery(ies)" or "Used Battery(ies)"? [3745-273-14(A)]  | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> |

**UNIVERSAL WASTE LAMPS** *last plup 6/11/08 - no bulbs stored at time of inspection*

|    |  |  |
|----|--|--|
| 8. | Does the SQUWH contain lamps in containers or packages that are structurally sound, adequate to prevent breakage, and are 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 checked="" 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 | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> |

*Bailey PWS Oxides*  
 [Facility Name/Inspection Date]

*12-4-08*  
 [ID Number]

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|  | releases of mercury or hazardous waste constituents to the environment? [3745-273-13(D)(2)]   |  |
| 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 checked="" type="checkbox"/> |
| <p><b>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 3745-52-34). Crushed lamps must be transported by a registered hazardous waste transporter to a permitted hazardous waste facility under a hazardous waste manifest.</b></p> |   |  |
| <b>ACCUMULATION TIME</b>   |   |  |
| 11.  | Is the waste accumulated for less than one year? [3745-273-15(A)] If not:   | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> |
|  | a. Was 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"/>            |
| <p><b>NOTE: Accumulation is defined as date generated or date received from another handler.</b></p>   |   |  |
| 12.  | Is the length of time the universal waste is stored documented by <u>one</u> of the following: [3745-273-15(C)]   | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> |
|  | a. Marking or labeling the container with the earliest date when the universal waste became a waste or was received? [3745-273-15(C)(1)]  | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>            |
|  | b. Marking or labeling individual item(s) of universal waste with the earliest date that it became a waste or was received? [3745-273-15(C)(2)]   | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>            |
|  | c. Maintaining an inventory system on-site that identifies the date the universal waste became a waste or was received? [3745-273-15(C)(3)]   | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>            |
|  | d. Maintaining an inventory system on-site that identifies the earliest date that any universal waste in a group of universal waste items or a group of containers became a universal waste or was received? [3745-273-15(C)(4)]                        | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>            |
|  | e. Placing the universal waste in a specific accumulation area and identifying the earliest start date or date received? [3745-273-15(C)(5)]  | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>            |
|  | f. Any other method, which clearly demonstrates, the length of time the universal waste has been accumulated from the date it became a waste or was received? [3745-273-15(C)(6)]   | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>            |
| <b>EMPLOYEE TRAINING</b>   |   |  |
| 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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> |
| <b>RESPONSE TO RELEASES</b>  |   |  |
| 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 checked="" type="checkbox"/> |
| 15.  | Is the material released characterized? [3745-273-17(B)]  | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> |
| 16.  | If the material released is a hazardous waste, is 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 Chapter 3745-52) [3745-273-17 (B)] | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> |
| <b>OFF-SITE SHIPMENTS</b>  |   |  |
| <p><b>NOTE: If a SQUWH self-transportes waste, then they must comply with the Universal Waste transporter requirements.</b></p>  |   |  |
| 17.  | Are universal wastes sent to either another handler, destination facility or foreign destination? [3745-273-18(A)]  | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> |

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**NOTE: SQUWHs are prohibited to send waste to any other facility.**

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| 18. | If the universal waste meets the definition of hazardous material under 49 CFR 171-180, are DOT requirements met with regard to package, labels, placards and shipping papers? [3745-273-18(C)] | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> |
| 19. | Prior to shipping universal waste off-site, does the receiver agree to receive the shipment? [3745-273-18(D)]   | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> |
| 20. | If the universal waste shipped off-site is rejected by another handler or destination facility does the originating handler do <u>one</u> of the following:                                     |  |
|     | a. Receive the waste back? [3745-273-18(E)(1)]  | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> |
|     | b. Agree to where the shipment will be sent? [3745-273-18(E)(2)]  | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" 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 <u>one</u> of the following:                           | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> |
|     | a. Sending the waste back to the originating handler? [3745-273-18(F)(1)]   | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> |
|     | b. Sending 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 checked="" type="checkbox"/> |
| 22. | If the handler received a shipment of hazardous waste that was not universal waste, did the SQUWH immediately notify Ohio EPA? [3745-273-18(G)]   | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> |
| 23. | If the handler received a shipment of nonhazardous, non-universal waste, was the waste managed in accordance with applicable law? [3745-273-18(H)]  | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> |

**EXPORTS**

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| 24. | Is waste being sent to a foreign destination? If so:  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/> |
|     | a. Does the small quantity handler comply with primary exporter requirements in OAC 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 checked="" type="checkbox"/> |
|     | b. Is waste exported only upon consent of the receiving country and in conformance with U.S. EPA's "Acknowledgment of Consent" as defined in 3745-52-50 to -52-57? [3745-273-20(B)] | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> |
|     | c. Is a copy of U.S. EPA's "Acknowledgment of Consent" provided to the transporter? [3745-273-20(C)]  | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> |

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