



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

Re: Brent Industries, Inc.
Lucas County
Hazardous Waste
OHR000019257
**Notice of Violation/ Request
for additional information**

July 18, 2013

Ms. Tara Seibert
Brent Industries, Inc.
2922 South Avenue
Toledo, Ohio 43609

Dear Ms. Seibert:

On June 6, 2013, the Ohio Environmental Protection Agency (Ohio EPA) conducted a compliance evaluation inspection at Brent Industries, Inc. (BII), located at 2922 South Avenue, Toledo, Ohio. I represented Ohio EPA, Division of Materials and Waste Management (DMWM) and was accompanied by Kara Reynolds, also with Ohio EPA, DMWM. You represented BII during the inspection. We inspected BII to determine its compliance with Ohio's hazardous waste laws as found in Chapter 3734 of the Ohio Revised Code (ORC) and Chapter 3745 of the Ohio Administrative Code (OAC). During the inspection we also helped you identify ways to prevent pollution by reducing waste. This letter will explain the violations found, steps that must be taken to abate the violations, and additional questions/concerns observed during the inspection.

BII is an industrial dry cleaner and launderer that cleans such items as print towels, shop towels, gloves, absorbent booms, and pads. Two processes are utilized at the facility, a dry cleaning process utilizing a Stoddard solvent and washing with detergent. The solvent wash process uses a shaker to remove particulate materials from the wash system, generating a "shaker lint" waste. The solvent then goes to a dirty solvent above ground storage tank (AST) and is then ran through a refining system, which removes additional particulates and oils. The particulates and oils removed from the solvent are considered a waste. Additionally, the vent condensing tank in the refining system generates a waste called lydens. The detergent wash also uses a shaker to remove particulate materials from the wash system, generating a "shaker lint" waste. The wash water then goes to an oil/water separator removing additional particulates and oils, which generate a water/oil waste. The water then goes into a Dissolved Air Flotation (DAF) unit for treatment before being discharged to the Toledo/Lucas County Waste Water Treatment Plant. The DAF unit generates a sludge waste material, which is additional particulate removal from the water. Cleaned items are then dried utilizing separate dryer systems. One system is specific to items washed utilizing solvent and one system is specific to items washed utilizing detergent. Both drying systems generate a lint waste material. The solvent wash shaker lint and solvent dryer lint are both sent to a Brent Industries facility in Alabama for further processing to remove additional solvent for reuse.

Ms. Tara Seibert
July 18, 2013
Page 2

Dirty solvent/oil from the refining system and the lydens waste are sent to a waste AST, along with oils removed from the detergent wash. Approximately 6,000 gallons of this waste is generated each month and sent off as a hazardous waste (D001, D005, D007, and D008). The detergent wash shaker lint and detergent dryer lint is placed in the solid waste roll-off containers at the facility. Approximately, 20-30 cubic yards of DAF sludge is generated each month and is disposed as a solid waste.

In addition to the above waste streams BII generates waste lamps, which are taken to Home Depot for recycling as a universal waste, and a small amount of used oil that is placed into the oil water separator for the detergent wash.

During a July 2008 Ohio EPA inspection it was observed that BII utilizes an AST to store the dirty solvent, oils, and lydens waste stream (D001, D005, D007, and D008), however, this tank did not meet many of the regulatory requirements for a hazardous waste tank (tank assessments, daily inspections, certifications, etc.). Subsequent correspondence between Ohio EPA and BII left most of the tank issues unresolved and eventually BII elected to manage the material in the tank as a non-hazardous waste based upon inadequate waste evaluation documentation. Documents show that BII was shipping this waste to Tradebe Environmental Services (Tradebe) in Chicago, IL, where it was used for fuel blending. This continued until May 10, 2012 when a shipment of this material came back as hazardous waste when the waste was sampled by the destination facility, Tradebe. In June 2012, BII resumed managing this material as a hazardous waste (D001, D005, D007, and D008).

During the inspection, I found the following violations of Ohio's hazardous waste laws:

1. Unlawful Transportation, ORC § 3734.02(F):

No person shall transport or cause to be transported any waste identified or listed under the hazardous waste laws to a facility that is not a permitted hazardous waste facility.

On May 10, 2012, a shipment of the dirty solvent, oils, and lydens waste stream (D001) that was sent to Tradebe as a non-hazardous waste was sampled at Tradebe and indicated a flash point of 70 degrees Fahrenheit. While the shipment was re-manifested and shipped off-site from Tradebe as a hazardous waste (D001), BII caused the dirty solvent, oils, and lydens waste stream (D001), to be unlawfully transported to Tradebe

BII must provide a detailed response to Ohio EPA Northwest District Office (NWDO) indicating how this waste stream will be managed to ensure that similar incidents do not occur in the future.

2. Manifest, OAC Rule 3745-52-20(A)(1):

A generator who transports, or offers for transport a hazardous waste for offsite treatment, storage, or disposal, or a treatment, storage, and disposal facility who offers for transport a rejected hazardous waste load, must prepare a manifest.

A hazardous waste manifest was not prepared for the May 10, 2012 shipment of the dirty solvent, oils, and lydens waste stream (D001) that was sent to Tradebe from BII.

In order to correct this violation, BII must provide a detailed response to Ohio EPA NWDO indicating how this waste stream will be manifested in the future.

3. Land Disposal Restriction Notification (LDR), OAC Rule 3745-270-07(A)(1):

A generator of a hazardous waste must determine if a waste needs to be treated before it can be land disposed.

BII did not determine if the May 10, 2012 shipment of the dirty solvent, oils, and lydens waste stream (D001) that was sent to Tradebe had to be treated prior to disposal.

In order to correct this violation BII must provide a detailed response to Ohio EPA NWDO indicating the understanding of LDR requirements and providing details of how these requirements will be met for future shipments of this waste stream.

4. Land Disposal Restriction Notification (LDR), OAC Rule 3745-270-07(A)(2):

If a waste does not meet treatment standards, or if the generator chooses to not determine if the waste must be treated, a onetime written notice must be sent to each treatment storage and disposal facility receiving the waste.

A written notice was not sent with the May 10, 2012 shipment of dirty solvent, oils, and lydens waste stream (D001) that went to Tradebe.

In order to correct this violation BII must provide a detailed response to Ohio EPA NWDO indicating the understanding of LDR requirements and providing details of how these requirements will be met for future shipments of this waste stream.

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

A person, who generates waste, as defined in OAC Rule 3745-51-02, must determine if that waste is a hazardous waste.

BII is in violation of OAC Rule 3745-52-11 for not properly evaluating the DAF sludge generated at the facility. BII has historically managed the DAF sludge at the facility as non-hazardous waste; however, a January 4, 2010 sample indicated hazardous levels of lead (D008) at 8.4 mg/L. An April 8, 2010 resample of the same roll-off container indicated non-hazardous levels of lead (0.47 mg/L). Based on the variability and volume of the waste stream, BII is not adequately evaluating the DAF sludge. BII has an obligation to properly evaluate the DAF sludge and manage it appropriately.

To abate this violation, BII must submit an adequate sampling plan to ensure proper evaluation of the DAF sludge. This plan should address the variability in the waste stream as a result of the variability of the materials being laundered, a timeframe between sampling events, and how samples will be selected/composited to ensure representativeness. Additionally, once sampled BII must provide sampling data sufficient to support the continued management of this waste as non-hazardous.

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

A person, who generates waste, as defined in OAC Rule 3745-51-02, must determine if that waste is a hazardous waste.

BII is in violation of OAC Rule 3745-52-11 for not properly evaluating the solvent shaker lint generated at the facility. BII has historically managed the solvent shaker lint as a non-hazardous waste and sends it to a Brent Industries facility in Alabama for additional processing to remove residual solvent. An October 9, 2008 sample identified as "kettle lint" was the only available data for any of the lint waste streams and indicated a hazardous level of lead (8.23 mg/L). Based on the variability of the waste stream, the presence of four different lint waste streams, no indication from the October 2008 sampling data of which lint waste stream was sampled, and the last sample indicating hazardous levels of lead with no subsequent data available, BII is not adequately evaluating the solvent shaker lint. BII has an obligation to properly evaluate the solvent shaker lint and manage it appropriately.

To abate this violation, BII must submit an adequate sampling plan to ensure proper evaluation of the solvent shaker lint. This plan should address the variability in the waste stream as a result of the variability of the materials being laundered, a timeframe between sampling events, and how samples will be selected/composited to ensure representativeness. Additionally, once sampled BII must provide sampling data sufficient to support the continued management of this waste as non-hazardous.

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

A person, who generates waste, as defined in OAC Rule 3745-51-02, must determine if that waste is a hazardous waste.

BII is in violation of OAC Rule 3745-52-11 for not properly evaluating the detergent shaker lint generated at the facility. BII has historically managed the detergent shaker lint as a non-hazardous waste and disposes of it in the roll-off dumpster that goes to a solid waste landfill. An October 9, 2008 sample identified as "kettle lint" was the only available data for any of the lint waste streams and indicated a hazardous level of lead (8.23 mg/L). Based on the variability of the waste stream, the presence of four different lint waste streams, no indication from the October 2008 sampling data of which lint waste stream was sampled, and the last sample indicating hazardous levels of lead with no subsequent data available, BII is not adequately evaluating the detergent shaker lint. BII has an obligation to properly evaluate the detergent shaker lint and manage it appropriately.

To abate this violation, BII must submit an adequate sampling plan to ensure proper evaluation of the detergent shaker lint. This plan should address the variability in the waste stream as a result of the variability of the materials being laundered, a timeframe between sampling events, and how samples will be selected/composited to ensure representativeness. Additionally, once sampled BII must provide sampling data sufficient to support the continued management of this waste as non-hazardous.

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

A person, who generates waste, as defined in OAC Rule 3745-51-02, must determine if that waste is a hazardous waste.

BII is in violation of OAC Rule 3745-52-11 for not properly evaluating the solvent dryer lint generated at the facility. BII has historically managed the solvent dryer lint as a non-hazardous waste and sends it to a Brent Industries facility in Alabama for additional processing to remove residual solvent. An October 9, 2008 sample identified as "kettle lint" was the only available data for any of the lint waste streams and indicated a hazardous level of lead (8.23 mg/L). Based on the variability of the waste stream, the presence of four different lint waste streams, no indication from the October 2008 sampling data of which lint waste stream was sampled, and the last sample indicating hazardous levels of lead with no subsequent data available, BII is not adequately evaluating the solvent dryer lint. BII has an obligation to properly evaluate the solvent dryer lint and manage it appropriately.

To abate this violation, BII must submit an adequate sampling plan to ensure proper evaluation of the solvent dryer lint. This plan should address the variability in the waste stream as a result of the variability of the materials being laundered, a timeframe between sampling events, and how samples will be selected/composited to ensure representativeness. Additionally, once sampled BII must provide sampling data sufficient to support the continued management of this waste as non-hazardous.

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

A person, who generates waste, as defined in OAC Rule 3745-51-02, must determine if that waste is a hazardous waste.

BII is in violation of OAC Rule 3745-52-11 for not properly evaluating the detergent dryer lint generated at the facility. BII has historically managed the detergent dryer lint as a non-hazardous waste and disposes of it in the roll-off dumpster that goes to a solid waste landfill. An October 9, 2008 sample identified as "kettle lint" was the only available data for any of the lint waste streams and indicated a hazardous level of lead (8.23 mg/L). Based on the variability of the waste stream, the presence of four different lint waste streams, no indication from the October 2008 sampling data of which lint waste stream was sampled, and the last sample indicating hazardous levels of lead with no subsequent data available, BII is not adequately evaluating the detergent dryer lint. BII has an obligation to properly evaluate the detergent dryer lint and manage it appropriately.

To abate this violation, BII must submit an adequate sampling plan to ensure proper evaluation of the detergent dryer lint. This plan should address the variability in the waste stream as a result of the variability of the materials being laundered, a timeframe between sampling events, and how samples will be selected/composited to ensure representativeness. Additionally, once sampled BII must provide sampling data sufficient to support the continued management of this waste as non-hazardous.

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

A person, who generates waste, as defined in OAC Rule 3745-51-02, must determine if that waste is a hazardous waste.

BII is in violation of OAC Rule 3745-52-11 for not properly evaluating the oil that is sent from the oil/water separator from the detergent wash to the hazardous waste tank. Based on information provided during the inspection, oil generated in the detergent wash is separated and then sent to a tank where it is mixed with at least three additional waste streams (oil, water, dirty solvent mixture from solvent wash, lydens from the refining system, and miscellaneous oils generated at the facility and dumped into the oil/water separator). While the mixture in the tank is ultimately sent off as a hazardous waste, BII is not adequately evaluating each waste stream that goes into the tank as a separate waste stream. BII has an obligation to properly evaluate the oil generated in the detergent wash and manage it appropriately.

To abate this violation, BII must submit an adequate sampling plan to ensure proper evaluation of the oil generated in the detergent wash. This plan should address the variability in the waste stream as a result of the variability of the materials being laundered, a timeframe between sampling events, and how samples will be selected/composited to ensure representativeness. Additionally, once sampled BII must provide sampling data to Ohio EPA.

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

A person, who generates waste, as defined in OAC Rule 3745-51-02, must determine if that waste is a hazardous waste.

BII is in violation of OAC Rule 3745-52-11 for not properly evaluating the oil, water, dirty solvent mixture that is sent from the solvent wash refining system to the hazardous waste tank. Based on information provided during the inspection oil, water, dirty solvent generated in the solvent wash is separated and then sent to a tank where it is mixed with at least three additional waste streams (oil generated in the detergent wash, lydens from the refining system, and miscellaneous oils generated at the facility and dumped into the oil/water separator). While the mixture in the tank is ultimately sent off as a hazardous waste, BII is not adequately evaluating each waste stream that goes into the tank as a separate waste stream. BII has an obligation to properly evaluate the oil, water, dirty solvent generated in the solvent wash and manage it appropriately.

To abate this violation, BII must submit an adequate sampling plan to ensure proper evaluation of the oil, water, dirty solvent generated in the solvent wash. This plan should address the variability in the waste stream as a result of the variability of the materials being laundered, a timeframe between sampling events, and how samples will be selected/composited to ensure representativeness. Additionally, once sampled BII must provide sampling data to Ohio EPA.

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

A person, who generates waste, as defined in OAC Rule 3745-51-02, must determine if that waste is a hazardous waste.

BII is in violation of OAC Rule 3745-52-11 for not properly evaluating the lydens sent from refining system to the hazardous waste tank. Based on information provided during the inspection lydens are pulled from the condenser in the refining system and then sent to a tank where it is mixed with at least three additional waste streams (oil generated in the detergent wash, oil, water, dirty solvent mixture from solvent wash, and miscellaneous oils generated at the facility and dumped into the oil/water separator). While the mixture in the tank is ultimately sent off as a hazardous waste, BII is not adequately evaluating each waste stream that goes into the tank as a separate waste stream. BII has an obligation to properly evaluate lydens generated and manage them appropriately.

To abate this violation, BII must submit an adequate sampling plan to ensure proper evaluation of the lydens generated. This plan should address the variability in the waste stream as a result of the variability of the materials being laundered, a timeframe between sampling events, and how samples will be selected/composited to ensure representativeness. Additionally, once sampled BII must provide sampling data to Ohio EPA.

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

A person, who generates waste, as defined in OAC Rule 3745-51-02, must determine if that waste is a hazardous waste.

BII is in violation of OAC Rule 3745-52-11 for not properly evaluating miscellaneous oils generated at the facility. Based on information provided during the inspection miscellaneous oils generated at the facility are placed into an oil/water separator that goes to a tank where it is mixed with at least three additional waste streams (oil generated in the detergent wash, lydens from the refining system, and oil, water, dirty solvent mixture from solvent wash). While the mixture in the tank is ultimately sent off as a hazardous waste, BII is not adequately evaluating each waste stream that goes into the tank as a separate waste stream. BII has an obligation to properly evaluate waste oil and manage it appropriately.

To abate this violation, BII must submit an adequate sampling plan to ensure proper evaluation of the waste oil placed into the oil/water separator. This plan should address the variability in the waste stream as a result of the variability of the materials being laundered, a timeframe between sampling events, and how samples will be selected/composited to ensure representativeness. Additionally, once sampled BII must provide sampling data to Ohio EPA. Alternatively, BII could manage this waste stream as a "Used Oil", following Ohio EPA's regulations for the proper management of used oil. If BII chooses to manage this waste stream as a used oil, BII must provide a response to Ohio EPA indicating this intent as well as provide photos of properly labeled containers for used oil.

14. Universal waste lamp management, OAC Rule 3745-273-13(D)(1)

"A small quantity handler of universal waste must contain any lamp in containers or packages that are structurally sound, adequate to prevent breakage, and compatible with the contents of the lamps. Such containers and packages must remain closed and must lack evidence of leakage, spillage, or damage that could cause leakage under reasonably foreseeable conditions."

A container, containing waste lamps was observed in the universal waste storage area, but was not closed at the time of the inspection.

To abate this violation BII must provide a photo documenting the use of a closed, structurally sound box, with proper labeling, being used to contain waste lamps.

15. Universal waste lamp management OAC Rule 3745-273-14(E)

Each lamp or a container or package in which such lamps are contained must be labeled or marked clearly with one of the following phrases: "Universal Waste-Lamp(s)," or "Waste Lamp(s)," or "Used Lamp(s)."

A container, containing waste lamps was observed in the universal waste storage area, but did not contain proper labeling.

To abate this violation BII must provide a photo documenting the use of a closed, structurally sound box, with proper labeling, being used to contain waste lamps.

16. Universal waste lamp accumulation time OAC Rule 3745-273-15(C)

A small quantity generator of universal waste may accumulate universal waste for no longer than one year from the date generated.

BII could not demonstrate the length of time universal waste lamps were being accumulated on-site.

To abate this violation BII must properly manage the universal waste lamps that are currently on-site and provide documentation of proper management.

17. OAC Rule 3745-52-34(A)(3)

All containers used to store hazardous waste must be clearly marked "Hazardous Waste".

The spare tank used to store the dirty solvent, oils, and lydens waste stream (D001, D005, D007, and D008), in the event that the main tank is filled, was not labeled

To abate this violation, BII must clearly label the tank "Hazardous Waste" and provide photographs documenting that such actions have been taken.

18. OAC Rule 3745-66-95(A)

Storage tank monitoring and leak detection equipment (e.g., pressure or temperature gauges) must be inspected daily to ensure that it is operating according to design;

BII has not documented any completed routine inspections of any portions of the two ASTs used to store the dirty solvent, oils, and lydens waste stream (D001, D005, D007, and D008).

To abate this violation, BII must inspect storage tank monitoring and leak detection equipment on a daily basis and document such inspection. BII must provide 2 weeks of daily inspection reports to Ohio EPA documenting the completion of such inspections. These inspections must be completed every day that there is waste in the tank.

19. OAC Rule 3745-66-95(B)(1)

Storage tank overflow/spill control equipment (e.g., waste-feed cutoff systems, bypass systems, and drainage systems) must be inspected daily to ensure that it is in good working order;

BII has not documented any completed routine inspections of any portions of the two ASTs used to store the dirty solvent, oils, and lydens waste stream (D001, D005, D007, and D008).

To abate this violation, BII must inspect storage tank overflow/spill control equipment on a daily basis and document such inspection. BII must provide 2 weeks of daily inspection reports to Ohio EPA documenting the completion of such inspections.

20. OAC Rule 3745-66-95(B)(2)

Above ground portions of the tank system must be inspected daily to detect corrosion or release of waste.

BII has not documented any completed routine inspections of any portions of the tank system.

To abate this violation, BII must inspect above ground portions of the storage tank on a daily basis and document such inspection. BII must provide 2 weeks of daily inspection reports to Ohio EPA documenting the completion of such inspections.

21. OAC Rule 3745-66-95(B)(3)

The construction material immediately surrounding the externally accessible portion of the tank system including the secondary containment structures must be inspected daily to detect corrosion or release of waste.

BII has not documented any completed routine inspections of any portions of the tank system.

To abate this violation, BII must inspect externally accessible portions of the tank system on a daily basis and document such inspection. BII must provide 2 weeks of daily inspection reports to Ohio EPA documenting the completion of such inspections.

22. OAC Rule 3745-52-41(A)

A generator who ships hazardous waste off-site must prepare and submit to Ohio EPA the "annual hazardous waste report" by March 1st of each year.

BII did not submit an annual report by March 1, 2011, documenting activities in 2010

To abate this violation, BII must submit documentation indicating that the annual report was completed and submitted in 2010 or BII must provide a response with an explanation as to why the annual report was not completed and reaffirm the understanding of the importance of submitting a biennial report in the by March 1st of every even numbered year (note that as reflected the rule has changed to the submittal of a biennial report).

23. OAC Rule 3745-65-16(C)

Facility personnel must take part in the annual review of the initial training required under OAC rule 3745-65-16 during each period of January first to December thirty-first.

BII could not provide records indicating that training was provided in 2010

To abate this violation, BII must submit documentation indicating that training was completed in 2010 or BII must provide a response with an explanation as to why training was not completed and reaffirm the understanding of the importance of the annual training.

As previously mentioned, a July 2008 inspection revealed the use of an AST to store the dirty solvent, oils, and lydens waste stream (D001, D005, D007, and D008). At the time of the inspection the waste was being shipped as a hazardous waste, making the tank a hazardous waste tank. On October 3, 2008 BII submitted information intended to serve as the tank certification for at least the primary hazardous waste tank. Based on a review of the information provided, Ohio EPA responded with a January 14, 2009, NOV citing deficiencies in the tank assessment/certification documents. Additionally, this NOV indicated that it was not clear if the information provided was to serve as certification for both hazardous waste tanks located at BII. The final letter from Ohio EPA regarding the tank assessments was an April 15, 2009 NOV, citing outstanding deficiencies for the tank assessment information provided. Some information was provided to Ohio EPA, NWDO, after the April 15, 2009 NOV. However, before all of the required information could be submitted, BII decided to manage the dirty solvent, oils, and lydens waste stream as a non-hazardous waste through Tradebe, despite Ohio EPA's concern regarding the representativeness of the waste characterization that had been conducted.

In order to abate this violation, BII must submit the following information:

- 1) The written assessment states that the concrete containment area will be coated with 10 mils of epoxy phenolic sealant that is compatible with the waste solvent. Pursuant to paragraph (C) (1) of OAC Rule 3745-66-93, the secondary containment must be constructed of or lined with materials that are compatible with the waste to be placed in the tank system. The written assessment must address that the secondary containment area is compatible with the waste solvent.

26. OAC Rule 3745-66-93 (F), Containment and detection of releases:

"Ancillary equipment must be provided with full secondary containment..."

BII failed to provide the required information for the tank certifications of the hazardous waste tanks located behind the facility.

In order to abate this violation, BII must submit the following information:

- 1) The written assessment states that all ancillary equipment is above ground piping. As required by paragraph (F) of OAC Rule 3745-66-93, the written assessment must provide secondary containment to all ancillary equipment flanges, joints, valves, and connections of aboveground piping, unless they are welded flanges, joints, or connections. The written assessment must address secondary containment for ancillary equipment.

27. OAC Rule 3745-66-92(A), Design and installation of new tank systems or components:

"Owners or operators of new tank systems or components must ensure that the foundation, structural support, seams, connections...are adequately designed... The owner or operator must obtain a written assessment reviewed and certified by a qualified professional engineer..."

BII failed to provide the required information for the tank certifications of the hazardous waste tanks located behind the facility.

In order to abate this violation, BII must submit the following information:

- 1) As required by paragraph (A) of OAC Rule 3745-66-92, the owner or operator must obtain a written assessment reviewed and certified by an independent, qualified, registered professional engineer in accordance with paragraph (D) of rule 3745-50-42. The certification must state "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." This written assessment was certified by a registered professional engineer but did not include certification statement.

- 2) As required by paragraph (A) (1) of OAC Rule 3745-66-92, the written assessment must include "Design standard(s) according to which the tank(s) and ancillary equipment is or will be constructed." The written assessment does not list specific design standard(s) according to which the tank and ancillary equipment were constructed. These design standard(s) must be cited in this assessment or detailed calculations (i.e. thickness, loading pressures, corrosion, etc.) should be provided to demonstrate that the system is constructed in accordance with sound engineering principles and will safely contain the hazardous waste.

28. OAC Rule 3745-66-92(G), Design and installation of new tank systems or components:

"The owner or operator must obtain and keep on file at the facility written statements by those persons required to certify the design of the tank system..."

BII failed to provide the required information for the tank certifications of the hazardous waste tanks located behind the facility.

In order to abate this violation, BII must submit the following information:

- 1) Pursuant to paragraph (G) of OAC Rule 3745-66-92, the owner or operator of a new tank system must obtain and keep on file at the facility written statements by those persons required to supervise the installation of the tank system in accordance with the requirements of paragraphs (B) to (F) of this rule. These written statements must also include the certification statement as required in Paragraph (D) of rule 3745-50-42 of the Administrative Code. The written assessment does not contain the certification statement and must contain such a statement on file.

Areas of Concern and additional required information:

1. Many of the waste evaluation violations and concerns relate to the various processes at BII and multiple waste streams going to different locations for management. In some instances it seems that multiple wastes generated are being mixed prior to sampling. These waste evaluation related issues are complicated by a lack of complete understanding in the processes taking place at BII. In order to aid in clarifying some of these issues, Ohio EPA is requesting a complete process diagram identifying all of the processes at BII, waste generation points, and end locations for waste storage at BII.
2. As indicated above, it appears as if BII has two hazardous waste tanks, one used on a more regular basis and another used as a backup tank for the primary tank. As indicated in previous tank related correspondence, if this is the case BII must submit an additional tank assessment for the backup tank OR must indicate that the previously submitted tank assessment was to represent both hazardous waste tanks.
3. Based upon documentation reviewed and inspection dialogue, BII may have stored hazardous waste for greater than 90 days during the calendar year of 2012. According to you, hazardous waste solvent/oils/lydens (D001, D005, D007, D008) were shipped off site on June 19, 2012. Sometime in the months of August or September, the hazardous waste storage tank became full. Therefore, BII pumped excess hazardous waste from the tank into totes.

Ms. Tara Seibert
July 18, 2013
Page 14

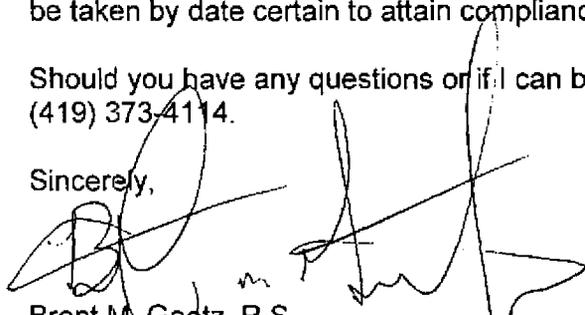
4. These totes were stored on site until September 27, 2012 when the totes were pumped out and the hazardous waste was shipped off-site. On August 10, 2012, 5,200 gallons of hazardous waste was shipped off-site from the hazardous waste tank. Therefore, there is the potential that BII could have stored hazardous waste for greater than 90 days, failed to conduct weekly inspections, and created a new container storage area. However, specific details concerning the waste in the totes, such as the original generation date are unknown. Please be advised that this type of situation could result in violations and escalated enforcement in the future and that waste should be managed at a frequency to avoid an over accumulation of waste.

Brent Industries, Inc. needs to take the necessary measures to return to compliance with Ohio's environmental laws. Brent Industries, Inc. is requested to provide information documenting compliance within **14 days** of receipt of this letter. All correspondence and documentation can be sent to my attention at Ohio EPA NWDO or via email to brent.goetz@epa.ohio.gov.

Please be advised that the violations cited above will continue until the violations have 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 the violations, Brent Industries, Inc. is requested to submit written correspondence of steps that will be taken by date certain to attain compliance.

Should you have any questions or if I can be of assistance, please contact me at (419) 373-4114.

Sincerely,



Brent M. Goetz, R.S.
Division of Materials and Waste Management

/cg

Enclosures

pc: Lisa Gifford, DMWM, NWDO
Colleen Weaver, DMWM, NWDO

ec: Colleen Weaver, DMWM, NWDO
RCRAInfoData@epa.state.oh.us w/attachments

Notice:

Ohio's 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
---	---	-----------------------

Completed verification forms required to be submitted to CO should be e-mailed to RCRAInfoData@epa.state.oh.us.

Site EPA ID No. Site Name Site Location Information Site Land Type (check only one) NAICS code(s) www.census.gov/epcd/www/naics.html	EPA ID Number: OH000019257 Name: Brent Industries, Inc. Website: (Optional) Street Address: 2922 South Avenue City, Town, or Village: Toledo State: OH County Name: Lucas Zip Code: 43609 <table style="width:100%; border: none;"> <tr> <td style="border: none;">Private <input checked="" type="checkbox"/></td> <td style="border: none;">County <input type="checkbox"/></td> <td style="border: none;">District <input type="checkbox"/></td> <td style="border: none;">Federal <input type="checkbox"/></td> <td style="border: none;">Indian <input type="checkbox"/></td> <td style="border: none;">Municipal <input type="checkbox"/></td> <td style="border: none;">State <input type="checkbox"/></td> <td style="border: none;">Other <input type="checkbox"/></td> </tr> </table>	Private <input checked="" type="checkbox"/>	County <input type="checkbox"/>	District <input type="checkbox"/>	Federal <input type="checkbox"/>	Indian <input type="checkbox"/>	Municipal <input type="checkbox"/>	State <input type="checkbox"/>	Other <input type="checkbox"/>
Private <input checked="" type="checkbox"/>	County <input type="checkbox"/>	District <input type="checkbox"/>	Federal <input type="checkbox"/>	Indian <input type="checkbox"/>	Municipal <input type="checkbox"/>	State <input type="checkbox"/>	Other <input type="checkbox"/>		

Facility Representative Additional names can be recorded in number 12 Only provide address information if it is different than the site address	First Name: Tara MI: Last Name: Seibert Title: Phone Number: (419) 382-8693 Phone Number Extension: E-Mail Address: Fax Number: Fax Number Extension: Street or P.O. Box: 2922 South Avenue City, Town or Village: Toledo State: Ohio Zip Code: 43609
--	---

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: Brent Industries, Inc. Date Became Owner (mm/dd/yyyy): 01/11/1976 <table style="width:100%; border: none;"> <tr> <td style="border: none;">Owner Type: <input checked="" type="checkbox"/></td> <td style="border: none;">Private <input type="checkbox"/></td> <td style="border: none;">County <input type="checkbox"/></td> <td style="border: none;">District <input type="checkbox"/></td> <td style="border: none;">Federal <input type="checkbox"/></td> <td style="border: none;">Indian <input type="checkbox"/></td> <td style="border: none;">Municipal <input type="checkbox"/></td> <td style="border: none;">State <input type="checkbox"/></td> <td style="border: none;">Other <input type="checkbox"/></td> </tr> </table> Street or P.O. Box: 2922 South Avenue City, Town or Village: Toledo Owner Phone #: (419) 382-8693 State: Ohio Country: Zip Code: 43609 Name of Site's Operator: Tara Seibert Date Became Operator (mm/dd/yyyy): <table style="width:100%; border: none;"> <tr> <td style="border: none;">Operator Type: <input type="checkbox"/></td> <td style="border: none;">Private <input type="checkbox"/></td> <td style="border: none;">County <input type="checkbox"/></td> <td style="border: none;">District <input type="checkbox"/></td> <td style="border: none;">Federal <input type="checkbox"/></td> <td style="border: none;">Indian <input type="checkbox"/></td> <td style="border: none;">Municipal <input type="checkbox"/></td> <td style="border: none;">State <input type="checkbox"/></td> <td style="border: none;">Other <input type="checkbox"/></td> </tr> </table> Street or P.O. Box: City, Town or Village: Operator Phone #: State: Country Zip Code:	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"/>	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"/>
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"/>											
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"/>											

VIOLATIONS CITED? Yes No

TYPE OF HANDLER - MARK "X" AS APPROPRIATE

<input type="checkbox"/> Not a HW Generator	<input type="checkbox"/> UNKNOWN: Cited for violation of 3745-52-11 <input type="checkbox"/> Short-Term/Temporary Generator (generates from a short-term or one-time event and not from on-going processes). Check the box for the applicable generator status and provide a comment.	<input checked="" type="checkbox"/> Large Quantity Generator (LQG) <input type="checkbox"/> Small Quantity Generator (SQG) <input type="checkbox"/> Conditionally Exempt Small Quantity Generator <input type="checkbox"/> U.S. Importer of Hazardous Waste <input type="checkbox"/> Mixed Waste (Hazardous and Radioactive) Generator
---	---	--

TYPE OF REGULATED WASTE ACTIVITY (MARK "X" IN ALL OF THE APPROPRIATE BOXES)

<input type="checkbox"/> Hazardous Waste Transporter	<input type="checkbox"/> Exempt Boiler and/or Industrial Furnace
<input type="checkbox"/> Hazardous Waste Transfer Facility	<input type="checkbox"/> Small Quantity On-Site Burner Exemption
<input type="checkbox"/> Treater, Storer or Disposer of Hazardous Waste	<input type="checkbox"/> Smelting, Melting, Refining Furnace Exemption
<input type="checkbox"/> Recycler of Hazardous Waste	<input type="checkbox"/> Underground Injection Control Facility
<input type="checkbox"/> 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 checked="" type="checkbox"/> Small Quantity Handler of Universal Waste	<input type="checkbox"/> Destination Facility for Universal Waste
<input type="checkbox"/> Large Quantity Handler of Universal Waste (accumulates 5,000 kg. or more)	

CHECK ALL BOXES BELOW THAT APPLY FOR THE TYPES OF UNIVERSAL WASTE THE FACILITY MANAGES

<input type="checkbox"/> Batteries
<input type="checkbox"/> Pesticides
<input type="checkbox"/> Mercury containing equipment
<input checked="" type="checkbox"/> Lamps

USED OIL ACTIVITIES (INDICATE TYPE(S) OF ACTIVITY(S))

<input type="checkbox"/> Used Oil Generator
<input type="checkbox"/> Used Oil Transporter
<input type="checkbox"/> Used Oil Transfer Facility
<input type="checkbox"/> Used Oil Processor
<input type="checkbox"/> Used Oil Re-refiner
<input type="checkbox"/> Off-Specification Used Oil Burner
<input type="checkbox"/> Used Oil Fuel Marketer who directs shipment of Off-Spec Used Oil
<input type="checkbox"/> 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.

<input type="checkbox"/> College or University
<input type="checkbox"/> Teaching hospital that is owned by or has a formal written affiliation agreement with a college or university
<input type="checkbox"/> 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 D007 D008

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

Announced	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Additional Facility Representatives:
Tanks	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Containers	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	

Name of Inspector(s)	Name of Inspector(s)	Date of Inspection/Time (mm/dd/yyyy) (hh:mm)
Brent Goetz	Kara Reynolds	06/06/2013

Comments:

PROCESS, WASTE, P2 SUMMARY SHEET

Facility Name: Brent Industries Facility Type: Industrial towel, glove, and mat laundering Date of Inspection: 6-6-13 EPA ID#: OHR000019257

Waste Generated			On-or-Off-Site Management		P2 Activities	
Process/Activity Generating Waste (e.g. plating bath, machining, bag house, painting, general maintenance, etc.)	Waste Description (e.g. sludge, solvent, ash, used oil, spent lamps, etc.) and EPA Waste Code, if applicable	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 Laundrying of industrial towels, gloves, and mats in a solvent solution.	solvent shaker lint	Stored in 55-gallon drums located near the wash area		Brent Industries, Brent, Alabama-Solvent extracted from lint and reused.		
2 Laundrying of industrial towels, gloves, and mats in a H2O solution.	detergent shaker lint	stored in 55-gallon drums located near the wash area		Waste Management, Evergreen Recycling and Disposal Facility, MSW landfill disposal		
3 Laundrying of industrial towels, gloves, and mats in a solvent solution.	Waste Solvent, oils, and hydens (D001, D005, D007, D008)	~6,000-gallons per month, stored in an above ground storage tank located north of the main building	Some solvent sent through a refining process and reused. The 6,000-gallons generated is	Heritage-ETI, Inc, 1250 Salt George Street, Unit 1 East Liverpool, Ohio	refining and reusing as much solvent as possible to minimize the waste stream.	
4 Laundrying of industrial towels, gloves, and mats.	Waste H2O	Variable	Treated on-site using Dissolved Air Flotation (DAF) Unit	City of Toledo WWTP		
5 Waste Water Treatment through DAF unit	DAF sludge	20-30 cubic yards per month, stored in two roll-off containers located to the north of the main building		Evergreen Recycling and Disposal Facility, Northwood, Ohio. Also one recent (4-25-13) manifest for Republic Services, Erie MI. Both locations are MSW landfills.		
6 Laundrying of industrial towels, gloves, and mats in a solvent solution.	Solvent Dryer Lint	Stored in approximately 1-yard portable bins located near dryer area		Brent Industries, Brent, Alabama-Solvent extracted from lint and reused.		
7 Laundrying of industrial towels, gloves, and mats in a H2O solution.	Detergent Dryer Lint	Stored in approximately 1-yard portable bins located near dryer area		Waste Management, Evergreen Recycling and Disposal Facility, MSW landfill disposal		
8 Maintenance of equipment/equipment lubrication	Oil	Very little oil generated, typically placed directly into the solvent tank where the solvent is sent through a refining process		NA		
9 Maintenance of facility	Universal Waste Lamps	Variable, stored in box located in maintenance area		Taken to Home Depot		

REMARKS/GENERAL INFORMATION

General Process Information: See Letter

Regulatory/Enforcement History (if applicable): N/A

Additional P2 remarks and information: N/A

Would this facility be interested in a P2 assessment? 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: N/A

SMALL QUANTITY UNIVERSAL WASTE HANDLER REQUIREMENTS – BATTERIES AND LAMPS		
<i>Large Quantity Universal Waste Handler (LQUWH) = 5,000 Kg or more</i>		
<i>Small Quantity Universal Waste Handler (SQUWH) = 5,000 Kg or less</i>		
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 OAC rule 3745-273-17 or managing specific wastes as provided in OAC rule 3745-273-13? [3745-273-11(B)]	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>
WASTE MANAGEMENT AND LABELING/MARKING		
UNIVERSAL WASTE BATTERIES		
3.	Are batteries that show evidence of leakage, spillage or damage that could cause leaks contained? [3745-273-13(A)(1)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input 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 type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
5.	Are the casings of the batteries breached, not intact, or open (except to remove the electrolyte)? [3745-273-13(A)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
6.	If the electrolyte is removed or other wastes generated, has it been determined whether the electrolyte or other wastes exhibit a characteristic of hazardous waste? [3745-273-13(A)(3)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
	a. If the electrolyte or other waste is characteristic, is it managed in compliance with OAC Chapters 3745-50 through 3745-69? [3745-273-13(A)(3)(a)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input 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 batteries or containers of batteries labeled with the words "Universal Waste - Batteries" or "Waste Battery(ies)" or "Used Battery(ies)"? [3745-273-14(A)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
UNIVERSAL WASTE LAMPS		
8.	Does the SQUWH contain lamps in containers or packages that are structurally sound, adequate to prevent breakage, and compatible with contents of the lamps? Are containers or packages closed and do they lack evidence of leakage, spillage or damage that could cause leakage? [3745-273-13(D)(1)]	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>
9.	Are lamps that show evidence of breakage, leakage or damage that could cause a release of mercury or hazardous constituents into the environment immediately cleaned up? Are they placed into a container that is closed, structurally sound, compatible with the contents of the lamps, and lack evidence of leakage, spillage or damage that could cause leakage or releases of mercury or hazardous waste constituents to the environment? [3745-273-13(D)(2)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
<p>NOTE: Treatment (such as crushing) by a UWH is prohibited under this rule unless the facility is permitted for such activities [3745-273-31(B)]. A generator crushing lamps must manage lamps according to hazardous waste rules (OAC Chapter 3745-52). Lamp crushing is a form of generator treatment (OAC rule 3745-52-34). Crushed lamps must be transported by a registered hazardous waste transporter to a permitted hazardous waste facility using a hazardous waste manifest.</p>		
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 checked="" type="checkbox"/> N/A <input type="checkbox"/>
ACCUMULATION TIME		
11.	Is the waste accumulated for less than one year? [3745-273-15(A)]	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>

	a.	If not, is the waste accumulated over one year in order to facilitate proper recovery, treatment or disposal? (Burden of proof is on the handler to demonstrate) [3745-273-15(B)]	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>
NOTE: Accumulation is defined as date generated or date received from another handler.					
12.		Is the handler able to demonstrate the length of time the universal waste has been accumulated? [3745-273-15(C)]	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>
EMPLOYEE TRAINING					
13.		Are employees who handle or have the responsibility for managing universal waste informed of waste handling/emergency procedures, relative to their responsibilities? [3745-273-16]	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
RESPONSE TO RELEASES					
14.		Are releases of universal waste and other residues immediately contained? [3745-273-17(A)]	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input 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, was it managed as required in OAC Chapters 3745-50 through 3745-69? (If the waste is hazardous, the handler is considered the generator of the waste and is subject to OAC Chapter 3745-52) [3745-273-17(B)]	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
OFF-SITE SHIPMENTS					
NOTE: If a SQUWH self-transport waste, then the handler must comply with the Universal Waste transporter requirements.					
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"/>
18.		Is the handler aware of DOT requirements for packaging and shipping? If no, make aware of 49 CFR 171-180.	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
19.		Prior to shipping universal waste off-site, does the originating handler ensure that the receiver agrees to receive the shipment? [3745-273-18(D)]	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
20.		Has the originating handler ever had an off-site shipment rejected by another handler or destination facility?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>
	a.	If yes, did the originating handler receive the waste back or agree to where the shipment was sent? [3745-273-18(E)(2)]	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input 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 and do <u>one of the following</u> :	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
	a.	Send the waste back to the originating handler or send the shipment to a destination facility (If both the originating and receiving handler agree)? [3745-273-18(F)(2)]	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
22.		If the handler received a shipment of hazardous waste that was not a universal waste, did the SQUWH immediately notify Ohio EPA? [3745-273-18(G)]	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
EXPORTS					
NOTE: Small quantity handlers that export waste to the countries listed in 40 CFR 262.58(a)(1) are subject to 40 CFR 262 subpart H. Small quantity handlers that export waste to a foreign destination other than the countries listed in 40 CFR 262.58(a)(1) are subject to 40 CFR 262.53, 40 CFR 262.56(a)(1) to (a)(4), (a)(6), and (b), 40 CFR 262.57,					

and 40 CFR 262 subpart E. [3745-273-20]

NOTE: Violations regarding exporting universal waste to foreign destinations should be referred to U.S. EPA Region 5 because the federal counterpart provisions are not delegable to states.

**LARGE QUANTITY GENERATOR REQUIREMENTS
COMPLETE AND ATTACH A PROCESS DESCRIPTION SUMMARY**

CESQG: ≤100 Kg. (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:

GENERAL REQUIREMENTS

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"/>
2.	Are records of waste determination being kept for at least 3 years? [3745-52-40(C)]	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
3.	Has the generator obtained a U.S. EPA identification number? [3745-52-12]	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
4.	Were annual reports filed with Ohio EPA on or before March 1 st ? [3745-52-41(A)]	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>
5.	Are annual reports kept on file for at least 3 years? [3745-52-40(B)]	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
6.	Has the generator transported or caused to be transported hazardous waste to other than a facility authorized to manage the hazardous waste? [ORC 3734.02(F)]	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
7.	Has the generator disposed of hazardous waste on-site without a permit or at another facility other than a facility authorized to dispose of the hazardous waste? [ORC 3734.02(E)&(F)] <u>Waiting for Initial Response to determine compliance</u>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
8.	Does the generator accumulate hazardous waste?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>

NOTE: If the LQG does not accumulate or treat hazardous waste, it is not subject to 52-34 standards. All other requirements still apply, e.g., annual reports, manifest, marking, record keeping, LDR, etc.

9.	Has the generator accumulated hazardous waste on-site in excess of 90 days without a permit or an extension from the director ORC §3734.02(E)&(F)?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>
----	--	------------------------------	--	------------------------------

NOTE: If F006 waste is generated and accumulated for > 90 days and is recycled see 3745-52-34(G)&(H).

10.	Does the generator treat hazardous waste in a: [ORC 3734.02(E)&(F)]			
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 3745-66-100 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 waste is treated to meet LDRs, use LDR checklist.

11.	Does the generator export hazardous waste? If so:	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>
a.	Has the generator notified U.S. EPA of export activity? [3745-52-53(A)]	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
b.	Has the generator complied with special manifest requirements? [3745-52-54]	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
c.	For manifests that have not been returned to the generator: has an exception report been filed? [3745-52-55]	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
d.	Has an annual report been submitted to U.S. EPA? [3745-52-56]	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>

e.	Are export related documents being maintained on-site? [3745-52-57(A)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
MANIFEST REQUIREMENTS		
12.	Have all hazardous wastes shipped off-site been accompanied by a manifest? (U.S. EPA Form 8700-22) [3745-52-20(A)(1)]	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>
13.	Have items (1) through (20) of each manifest been completed? [3745-52-20(A)(1)]&[3745-52-27(A)]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
<i>NOTE: U.S. EPA Form 8700-22(A) (the continuation form) may be needed in addition to Form 8700-22. In these situations items (21) through (35) must also be completed. [3745-52-20(A)(1)]</i>		
14.	Does each manifest designate at least one facility which is permitted to handle the waste? [3745-52-20(B)]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
<i>NOTE: The generator may designate on the manifest one alternate facility to handle the waste in the event of an emergency which prevents the delivery of waste to the primary designated facility. [3745-52-20(C)]</i>		
15.	If the transporter was unable to deliver a shipment of hazardous waste to the designated facility, did the generator designate an alternate TSD facility or give the transporter instructions to return the waste? [3745-52-20(D)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
16.	Have the manifests been signed by the generator and initial transporter? [3745-52-23(A)(1)&(2)]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
<i>NOTE: Remind the generator that the certification statement they signed indicates: 1) they have properly prepared the shipment for transportation and 2) they have a program in place to reduce the volume and toxicity waste they generate.</i>		
17.	If the generator received a rejected load or residue, did the generator:	
a.	Sign item 20 of the new manifest or item 18c of the original manifest? [3745-52-23(F)(1)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
b.	Provide the transporter a copy of the manifest? [3745-52-23(F)(2)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
c.	Send a copy of the manifest to the designated facility that returned the shipment with 30 days after delivery of the rejected shipment? [3745-52-23(F)(3)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
18.	If the generator did not receive a return copy of each completed manifest within 35 days of the waste being accepted by the transporter, did the generator contact the transporter and/or TSD facility to check on the status of the waste? [3745-52-42(A)(1)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
19.	If the generator has not received the manifest within 45 days, did the generator file an exception report with Ohio EPA? [3745-52-42(A)(2)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
20.	Are signed copies of all manifests and any exception reports being retained for at least three years? [3745-52-40]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
<i>NOTE: A generator who sends a shipment of hazardous waste to a TSD facility with the understanding that the TSD facility can accept and manage the waste and later receives that shipment back as a rejected load or residue may accumulate the waste on-site for <90 days or <180 days depending on the amount of hazardous waste on-site in that calendar month. [3745-52-34(M)]</i>		
<i>NOTE: Waste generated at one location and transported along a publicly accessible road for temporary consolidated storage or treatment on a contiguous property also owned by the same person is not considered "on-site" and manifesting and transporter requirements must be met. To transport "along" a public right-of-way the destination facility has to act as a transfer facility or have a permit because this is considered to be "off-site." For additional information see the definition of "on-site" in OAC rule 3745-50-10.</i>		
PERSONNEL TRAINING		
21.	Does the generator have a training program which teaches facility personnel hazardous waste management procedures (including contingency plan implementation) relevant to their positions? [3745-65-16(A)(2)]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
22.	Does the personnel training program, at a minimum, include instructions to ensure that facility personnel are able to respond effectively to emergencies involving hazardous waste by familiarizing them with emergency procedures, emergency equipment and emergency systems (where applicable)? [3745-65-16(A)(3)]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>

NOTE: For facility employees that receive emergency response training pursuant to OSHA regulations, the facility is not required to provide separate emergency response training, provided that the overall facility training meets all the requirements of OAC 3745-65-16(A). [3745-65-16(A)(4)]

23.	Is the personnel training program directed by a person trained in hazardous waste management procedures? [3745-65-16(A)(2)]	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
24.	Do new employees receive training within six months after the date of hire (or assignment to a new position)? [3745-65-16(B)]	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
25.	Does the generator provide refresher training to employees during each period from January 1 st to December 31 st and does each training occur within 15 months after the previous training? [3745-65-16(C)]	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>
26.	Does the generator keep records and documentation of:			
a.	Job titles? [3745-65-16(D)(1)]	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
b.	Job descriptions? [3745-65-16(D)(2)]	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
c.	Type and amount of training given to each person? [3745-65-16(D)(3)]	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
d.	Completed training or job experience required? [3745-65-16(D)(4)]	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
27.	Are training records for current personnel kept until closure of the facility and are training records for former employees kept for at least three years from the date the employee last worked at the facility? [3745-65-16(E)]	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>

NOTE: The following section can be used by the inspector to document that all personnel who are involved with hazardous waste management have been trained. The employees who need training (written and/or on-the-job) may include the following: environmental coordinators, drum handlers, emergency coordinators, personnel who conduct hazardous waste inspections, emergency response teams, personnel who prepare manifest, etc.

Job Performed	Name of Employee	Date Trained

CONTINGENCY PLAN

28.	Does the owner/operator have a contingency plan to minimize hazards to human health or the environment from fires, explosions or any unplanned release of hazardous waste? [3745-65-51(A)]	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
29.	Does the plan describe the following:			
a.	Actions to be taken in response to fires, explosions or any unplanned release of hazardous waste? [3745-65-52(A)]	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
b.	Arrangements with emergency authorities? [3745-65-52(C)]	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
c.	A current list of names, addresses and telephone numbers (office and home) of all persons qualified to act as emergency coordinator? [3745-65-52(D)]	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
d.	A list of all emergency equipment, including: location, a physical description and brief outline of capabilities? [3745-65-52(E)]	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
e.	An evacuation plan for facility personnel where there is possibility that evacuation may be necessary? [3745-65-52(F)]	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>

NOTE: If the facility already has a "Spill Prevention, Control and Countermeasures Plan" under 40 CFR Part 112 or some other emergency plan, the facility can amend that plan to incorporate hazardous waste management provisions that are sufficient to comply with OAC requirements. The facility may develop one contingency plan which meets all regulatory requirements. Ohio EPA recommends that the plan be based on the "National Response Team's Integrated Contingency Plan Guidance (One Plan)." [3745-65-52(B)]

30.	Is a copy of the plan (plus revisions) kept on-site and been given to all emergency authorities that may be requested to provide emergency services? [3745-65-53(A)&(B)]	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
-----	--	---	-----------------------------	------------------------------

31.	Has the generator revised the plan in response to rule changes, facility, equipment and personnel changes, or failure of the plan? [3745-65-54]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
32.	Is an emergency coordinator available at all times (on-site or on-call)? [3745-65-55]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>

NOTE: The emergency coordinator shall be thoroughly familiar with: (a) all aspects of the facility's contingency plan; (b) all operations and activities at the facility; (c) the location and characteristics of waste handled; (d) the location of all records within the facility; (e) facility layout; and (f) shall have the authority to commit the resources needed to implement provisions of the contingency plan.

EMERGENCY PROCEDURES

33.	Has there been a fire, explosion or release of hazardous waste or hazardous waste constituents since the last inspection? If so:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>
a.	Was the contingency plan implemented? [3745-65-51(B)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
b.	Did the facility follow the emergency procedures in 3745-65-56(A) through (H)?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
c.	Did the facility submit a report to the Director within 15 days of the incident as required by 3745-65-56(I)?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>

NOTE: OAC 3745-65-51(B) requires that the contingency plan be implemented immediately whenever there is a fire, explosion, or release of hazardous waste or hazardous waste constituents, which could threaten human health and the environment.

PREPAREDNESS AND PREVENTION

34.	Is the facility operated to minimize the possibility of fire, explosion, or any unplanned release of hazardous waste? [3745-65-31]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
35.	Does the generator have the following equipment at the facility, if it is required due to actual hazards associated with the waste:	
a.	Internal communications or alarm system? [3745-65-32(A)]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
b.	Emergency communication device? [3745-65-32(B)]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
c.	Portable fire control, spill control and decon equipment? [3745-65-32(C)]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
d.	Water of adequate volume/pressure per documentation or facility rep? [3745-65-32(D)]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>

NOTE: Verify that the equipment is listed in the contingency plan.

36.	Is emergency equipment tested (inspected) as necessary to ensure its proper operation in time of emergency? [3745-65-33]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
37.	Are emergency equipment tests (inspections) recorded in a log or summary? [3745-65-33]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
38.	Do personnel have immediate access to an internal alarm or emergency communication device when handling hazardous waste (unless the device is not required under 3745-65-32)? [3745-65-34(A)]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
39.	If there is only one employee on the premises, is there immediate access to a device (eg. phone, hand held two-way radio) capable of summoning external emergency assistance (unless not required under 3745-65-32)? [3745-65-34(B)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
40.	Is adequate aisle space provided for unobstructed movement of emergency or spill control equipment? [3745-65-35]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
41.	Has the generator attempted to familiarize emergency authorities with possible hazards and facility layouts? [3745-65-37(A)]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
42.	Where authorities have declined to enter into arrangements or agreements, has the generator documented such a refusal? [3745-65-37(B)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>

SATELLITE ACCUMULATION AREA REQUIREMENTS- *Waiting for Initial Response to determine compliance*

43.	Does the generator ensure that satellite accumulation area(s):		Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
	a.	Are at or near a point of generation? [3745-52-34(C)(1)]	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
	b.	Are under the control of the operator of the process generating the waste? [3745-52-34(C)(1)]	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
	c.	Do not exceed a total of 55 gallons of hazardous waste per waste stream? [3745-52-34(C)(1)]	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
	d.	Do not exceed one quart of acutely hazardous waste at any one time? [3745-52-34(C)(1)]	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
	e.	Containers are closed, in good condition and compatible with wastes stored in them? [3745-52-34(C)(1)(a)]	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
	f.	Containers are marked with words "Hazardous Waste" or other words identifying the contents? [3745-52-34(C)(1)(b)]	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
44.	Is the generator accumulating hazardous waste(s) in excess of the amounts listed in the preceding question? If so:		Yes <input type="checkbox"/>	No <input type="checkbox"/>	<input checked="" type="checkbox"/> N/A <input type="checkbox"/>
	a.	Did the generator comply with 3745-52-34(A)(1) through (4) or other applicable generator requirements within three days? [3745-52-34(C)(2)]	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
	b.	Did the generator mark the container(s) holding excess with the accumulation date when the 55 gallon (one quart) limit was exceeded? [3745-52-34(C)(2)]	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>

NOTE: The satellite accumulation area is limited to 55 gallons of hazardous waste accumulated from a distinct point of generation in the process under the control of the operator of the process generating the waste (less than 1 quart for acute hazardous waste). There could be individual waste streams accumulated in an area from different points of generation.

USE AND MANAGEMENT OF CONTAINERS IN <90 DAY ACCUMULATION AREAS- *Waiting for Initial Response to determine compliance*

45.	Has the generator marked containers with the words "Hazardous Waste?" [3745-52-34(A)(3)]		Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
46.	Is the accumulation date on each container? [3745-52-34(A)(2)]		Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
47.	Are hazardous wastes stored in containers which are:				
	a.	Closed (except when adding/removing wastes)? [3745-66-73(A)]	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
	b.	In good condition? [3745-66-71]	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
	c.	Compatible with wastes stored in them? [3745-66-72]	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
	d.	Handled in a manner which prevents rupture/leakage? [3745-66-73(B)]	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>

NOTE: Record location on process summary sheets, photograph the area, and record on facility map.

48.	Is the container accumulation areas(s) inspected at least once during the period from Sunday to Saturday? [3745-66-74]		Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
	a.	Are inspections recorded in a log or summary? [3745-66-74]	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
49.	Are containers of ignitable or reactive wastes located at least 50 feet (15 meters) from the facility's property line? [3745-66-76]		Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
50.	Are containers of incompatible wastes stored separately from each other by means of a dike, berm, wall or other device? [3745-66-77(C)]		Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
51.	If the generator places incompatible wastes, or incompatible wastes and materials in the same container, is it done in accordance with 3745-65-17(B)? [3745-66-77(A)]		Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>

52.	If the generator places hazardous waste in an unwashed container that previously held an incompatible waste, is it done in accordance with 3745-65-17(B)? [3745-66-77(B)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
NOTE: OAC 3745-65-17(B) requires that the generator treat, store, or dispose of ignitable or reactive waste, and the mixture or commingling of incompatible wastes, or incompatible wastes and materials so that it does not create undesirable conditions or threaten human health or the environment.		
53.	If the generator has closed a <90 day accumulation area does the closure appear to have met the closure performance standard of 3745-66-11? [3745-52-34(A)(1)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
NOTE: Please provide a description of the unit and documentation provided by the generator for the file to demonstrate that closure was completed in accordance with the closure performance standards. If the generator has closed a <90 day tank, closure must also be completed in accordance with OAC 3745-66-97 (except for paragraph C of this rule). [3745-52-34]		
PRE-TRANSPORT REQUIREMENTS-<i>Waiting for Initial Response to determine compliance</i>		
54.	Does the generator package/label its hazardous waste in accordance with the applicable DOT regulations? [3745-52-30, 3745-52-31 and 3745-52-32(A)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
55.	Does each container ≤119 gallons have a completed hazardous waste label? [3745-52-32(B)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
56.	Before off-site transportation, does the generator placard or offer the appropriate DOT placards to the initial transporter? [3745-52-33]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
NOTE: Continue with the generator LDR requirements on the next page.		

GENERATOR LDR REQUIREMENTS- *Waiting for Initial Response to determine compliance*

NOTE: This LDR checklist does not include the requirements for generators that treat to meet LDR standards. If the generator treats, the inspector should use the stand-alone Generator LDR checklist instead of this checklist.

GENERAL REQUIREMENTS

1.	If LDRs do not apply, does the generator have a statement that lists how the HW was generated, why LDRs don't apply and where the HW went? [3745-270-07(A)(7)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
2.	Did the generator determine if the HW/soil must be treated to meet the LDR treatment standard prior to disposal? Generator knowledge or testing may be used. [3745-270-07(A)(1)] If not,	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>
a.	Did the generator send the waste to a permitted HW TREATMENT facility? [3745-270-07(A)(1)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>

NOTE: This is done by determining if the HW/soil contains levels of constituents greater than the levels given in its LDR treatment standard in 3745-270-40. However, if a specific treatment method is given in 3745-270-40 for the HW, no determination is required [3745-270-07(A)(1)(b)]. If soil, generator can choose to have soil treated to LDR levels given in 3745-270-49 (alternative treatment levels for soils).

3.	Does the generator have documentation of how he determined whether the HW/soil meets or does not meet the LDR treatment standard in 2, above? [3745-270-07(A)(6)(a) or 3745-270-07(A)(6)(b)]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
4.	Does the generator keep the documentation required in #2, above, on-site for at least three years from the last date the HW/soil was sent on-site/off-site for treatment/disposal? [3745-270-07(A)(8)]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
5.	Does the generator generate a listed HW that exhibits a characteristic? If yes,	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
a.	Did the generator determine if the listed HW exhibits a characteristic that is not treated under the LDR treatment standard for the listed HW? [3745-270-09(A)]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>

FOR EXAMPLE: F006 that exhibits the characteristic for silver or K062 that is corrosive, D002. Review LDR treatment standard in 3745-270-40 to determine what constituents the listed HW is treated for.

6.	Did the generator determine if its characteristic HW contains underlying hazardous constituents that need to be treated? [3745-270-09(A)]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
----	---	--

NOTE: This is done by evaluating which underlying hazardous constituents (UHC) are in the HW at levels above the universal treatment standards given in 3745-270-48. This requirement does not apply to high total organic carbon (i.e., contains >10% TOC) D001 wastes or listed HWs.

NOTE: Written documentation of this determination is not required.

7.	Did the generator treat his HW /soil on-site <u>to meet</u> the LDR treatment standard?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
----	---	--

NOTE: If "Yes" see question #16.

8.	Did the generator send a one-time LDR notification form to the TSD with the first shipment to that facility? [3745-270-07(A)(2)]	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>
a.	If the generator chose not to make the determination of whether his waste must be treated, did he send a notice to the TSD facility with each shipment? [3745-270-07(A)(2)] If so, did the notice include:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>
i	Applicable HW codes?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
ii	Manifest number of the first shipment to the TSD?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
iii	A statement that conveys that the HW may or may not be subject to the LDR treatment standards and the TSD must make that determination.?"	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
9.	Did the generator resubmit the LDR notification form to the TSD when the HW changed or the generator used a new TSD? [3745-270-07(A)(2)]	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>
10.	Does the generator have a copy of the LDR notification form/notice on file?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>

	[3745-270-07(A)(2)]		
a.	Is the form/notice kept on file for three years after last HW shipped? [3745-270-07(A)(8)]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	
NOTIFICATION FORM			
11.	Does the LDR Notification form contain the following information:		
a.	Manifest number of the first waste shipment to the TSD? [3745-270-07(A)(2)]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	
b.	Applicable waste codes (includes characteristic codes for a listed HW if applicable)? [3745-270-07(A)(2)]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	
c.	A statement that conveys that the HW is subject to LDRs and must be treated to meet LDR treatment requirements? [3745-270-07(A)(2)]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	
d.	A designation whether the HW is a wastewater or non-wastewater? [3745-270-07(A)(2)]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	
<i>NOTE: A wastewater contains <1% by wt. total suspended solids (TSS) and <1% by wt. TOC. If you doubt the HW is a wastewater or non-wastewater, the HW can be tested using for example, Standard Methods (SM) 160.2 for TSS, SW-846 method 9060a for TOC.</i>			
e.	Designation of the waste subcategory when applicable? [3745-270-07(A)(2)]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	
<i>NOTE: Subcategories are found on the LDR treatment standards table under the applicable waste code. Not all HWs have subcategories</i>			
f.	A listing of the underlying hazardous constituents for which a characteristic waste must be treated? [3745-270-07(A)(2)]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	
<i>NOTE: Not required if the waste is high TOC D001 or the TSD tests its treatment residues for all underlying hazardous constituents.</i>			
g.	If the HW is F001-F005 or F039, did the generator note on the LDR form what solvents or constituents, respectively, the waste contains and must be treated for? [3745-270-07(A)(2)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	
<i>NOTE: Not required if the TSD tests its treatment residues for all underlying hazardous constituents.</i>			
PROHIBITED DILUTION			
12.	Is the HW treated by burning? If "No" go to #15.	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	
13.	Is the HW a metal-bearing HW?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	
<i>NOTE: Generally, metal-bearing HWs contain heavy metals above TCLP levels or were listed due to the presence of metals. A list of the restricted metal-bearing HWs is given in the Appendix to 3745-270-03.</i>			
14.	a.	Metal-bearing HWs cannot be incinerated, combusted or, blended and burned for fuel unless <u>one</u> of the following conditions apply. [3745-270-03(c)]	
	i.	Contains > 1% TOC?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>
	ii.	Contains organic constituents or cyanide at levels greater than the UTS levels?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>
	iii.	Is made up of combustible material e.g., paper, wood, plastic?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
	iv.	Has a reasonable heating value (e.g., > 5000 Btu)?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
	v.	Co-generated with a HW that must be combusted?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>
	b.	If all responses to 14 a.i. through 14 a.v. are "No", HW is being improperly treated by dilution, violation of 3745-270-03(C). Is HW being treated by dilution?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
15.	Was the HW treated by wastewater treatment?		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>

	a. Is a LDR treatment method, other than DEACT or a numerical value, specified for the waste? [3745-270-03(B) and 3745-270-40(A)(3)]	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
<i>NOTE: If "Yes", HW is improperly being treated by dilution.</i>				
	b. Does the waste carry the D001 code <u>and</u> contain $\geq 10\%$ TOC?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
	c. Does the wastewater treatment process include a process to separate/recover the organic phase of the waste?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
<i>NOTE: If the answers to b & c are "yes" and "no", respectively, waste is improperly being treated by dilution and generator is in violation of [3745-270-03(B)] and 3745-270-40(A)(3)].</i>				
<i>NOTE: A list of separation/recovery processes are given in 3745-270-42 under RORG.</i>				

LQG TANK SYSTEM REQUIREMENTS (OAC rule 3745-52-34(A) and OAC rules 3745-66-90 through 3745-66-100)(Please refer to the rules before or while completing this checklist.) ***Waiting for Initial Response to determine compliance for many of these requirements***

1.	Is each tank clearly labeled/marked with the words "Hazardous Waste?" [3745-52-34(A)(3)]	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>
----	--	------------------------------	--	------------------------------

TANK SYSTEM – GENERAL OPERATING REQUIREMENTS

2.	Does the o/o follow the general operating requirements below:			
a.	Does the o/o prevent placement of hazardous waste or treatment reagents in tank or secondary containment if such placement can cause the system to leak, rupture, corrode, or otherwise fail? [3745-66-94(A)]	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
b.	Does the o/o use appropriate controls to prevent spills or overflows from the system (e.g., check valves, dry disconnect couplings, high level alarms, etc.)? [3745-66-94(B)]	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
c.	If a leak or spill has occurred in the tank system, has the o/o complied with 3745-66-96? [3745-66-94(C)]	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>

TANK SYSTEM – INSPECTION REQUIREMENTS

3.	Has the o/o documented the inspections required in 3745-66-95, in the operating record, including inspection of the following:			
a.	Data from leak detection equipment each operating day? [3745-66-95(A)]	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>
b.	Spill control equipment each operating day? [3745-66-95(B)(1)]	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>
c.	Above ground portion of tank each operating day? [3745-66-95(B)(2)]	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>
d.	Construction materials and area immediately surrounding the tanks for signs of erosion or release of hazardous waste each operating day? [3745-66-95(B)(3)]	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>

NOTE: "Each operating day" is each day that the tank system is being used to manage (store or treat) hazardous waste.

4.	For tank systems using leak detection systems to alert facility personnel to leaks or implementing established workplace practices to ensure leaks are promptly identified, has the o/o documented: [3745-66-95(C)]	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
a.	Inspections of spill control equipment weekly?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
b.	Inspections of above ground portion of tank weekly?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
c.	Inspections of construction materials and area immediately surrounding the tanks for signs of erosion or release of hazardous waste weekly?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
d.	Use of the alternate inspection schedule, including a description of the established workplace practices at the facility?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
5.	For ancillary equipment NOT provided with secondary containment, has the o/o documented inspections of such equipment each operating day? [3745-66-95(E)]	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>
6.	Where applicable, did the o/o inspect the cathodic protection system to confirm proper operation within six months of initial installation and annually thereafter? [3745-66-95(F)(1)]	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
7.	Where applicable, did the o/o inspect all sources of impressed current at least bi-monthly? [3745-66-95(F)(2)]	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>

TANK SYSTEM CLOSURE REQUIREMENTS

8.	If the o/o has closed a <90 day tank, was closure completed in accordance with OAC 3745-66-97 (except for paragraph C)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
----	---	------------------------------	-----------------------------	---

TANK SYSTEMS STORING IGNITABLE OR REACTIVE WASTES		
9.	For tanks used to treat or store ignitable or reactive wastes, has the o/o complied with one of the following: [3745-66-98(A)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
a.	Is the waste treated immediately after placement in the tank so that the resultant mixture is no longer ignitable or reactive and the o/o has conducted such activities in compliance with 3745-66-17(B)? [3745-66-98(A)]; or	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
b.	Is the waste stored or treated to protect it from materials or conditions which may cause ignition or reaction? [3745-66-98(A)]; or	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
c.	The tank is used solely for emergencies? [3745-66-98(A)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
10.	If ignitable or reactive waste is stored or treated, are protective distances maintained between waste management areas and any public streets, alleys or adjoining property lines as required by the NFPA Flammable and Combustible Liquids Code (2008)? [3745-66-98(B)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
11.	Has the o/o placed incompatible wastes or materials into the same tank system, or into a tank system that has not been decontaminated and which previously held an incompatible waste or material? [3745-66-99(A) and/or (B)]	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>
a.	If so, have the requirements of 3745-65-17(B) been met? [3745-66-99(A) and/or (B)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
TANK SYSTEM - WASTE ANALYSIS REQUIREMENTS		
12.	In addition to conducting the waste analysis required by 3745-65-13, when the tank system is used to store or treat a waste which is substantially different or uses a substantially different process than previously used, has the o/o done one of the following: [3745-66-100]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
a.	Conducted waste analysis and trial treatment or storage tests? [3745-66-100(A)]; OR	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
b.	Obtained written documentation on similar waste under similar operating conditions to show that the proposed storage/treatment will meet the requirements of OAC 3745-66-94? [3745-66-100(B)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
TANK SYSTEMS REQUIREMENTS		
13.	Is there a written assessment attesting that the design, installation and structural integrity of the system is adequate for the management of hazardous waste(s)? [3745-66-92(A)]	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>
<i>NOTE: You should review the file to see if the written assessment has been previously reviewed and what the results were.</i>		
14.	Does the written assessment include the following: [3745-66-92(A)]	
a.	Certification by a qualified professional engineer? [3745-66-92(A)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
b.	Consideration of the design standards of the system? [3745-66-92(A)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
c.	Consideration of the hazardous characteristics of the waste(s)? [3745-66-92(A)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
d.	An evaluation by a corrosion expert (only if the external system/components are metal and in contact with soil or water)? [3745-66-92(A)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
e.	A determination of design and operational measures that will be needed to protect the tank system from potential damage (only for underground tank components)? [3745-66-92(A)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
f.	Design considerations to ensure that the tank foundations will maintain the load of a full tank? [3745-66-92(A)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
g.	Design considerations for anchoring the unit to prevent floatation (only for tanks situated in a seismic fault zone or saturated zone)?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>

		[3745-66-92(A)]	
	h.	Design considerations to ensure that the tank system will withstand the effects of frost heave (only for underground tank systems)? [3745-66-92(A)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
<i>NOTE: CO-DHWM Engineering staff are available to assist you with evaluation of the written assessment.</i>			
15.	Are there written statements by those persons who supervised installation or certified design of the new tank system, that the tank system was properly installed and designed and that required repairs were performed? [3745-66-92(G)]		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>
Do the written statements address all of the following:			
	a.	Inspection for damage and/or inadequate construction and installation was conducted? [3745-66-92(B)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
	b.	Statement that deficiencies were corrected before the tank system was covered or put into use? [3745-66-92(B)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
	c.	Proper backfilling? [3745-66-92(C)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
	d.	Tightness test; if the tank system was found not to be tight, does the statement indicate that proper repairs were made? [3745-66-92(D)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
	e.	Proper support and protection of ancillary equipment? [3745-66-92(E)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
	f.	Supervision of the installation of field fabricated corrosion protection? [3745-66-92(F)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
SECONDARY CONTAINMENT			
16.	Has secondary containment been provided? [3745-66-93(A)]		Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
<i>NOTE: Secondary containment must be provided for tank systems that store or treat materials that become hazardous wastes within two years after the hazardous waste listing, or when the system has reached 15 years of age, whichever comes later. [3745-66-92(A)(2)]</i>			
17.	Is secondary containment one of the following:		Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
	a.	An External Liner ? [3745-66-93(E)(1)] If so,	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
	i.	Is liner designed or operated to contain 100% of the capacity of the largest tank?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
	ii.	Is liner designed and operated to prevent run-on and infiltration or the collection system has <u>excess</u> capacity to contain run-on and infiltration from a 25-year, 24-hour storm?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
	iii.	Is liner free of cracks and gaps?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
	iv.	Does liner completely surround the tank and cover all earth likely to be contacted by waste during a release?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
	v.	Are chemically resistant water stops in place at all points? (concrete liners only)	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
	vi.	Is there a compatible interior coating or lining to prevent migration of waste into the concrete? (concrete liners only)	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
	b.	Vault System ? [3745-66-93(E)(2)] If so,	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
	i.	Is vault system designed to contain 100% of the capacity in the largest tank?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
	ii.	Is liner designed and operated to prevent run-on and infiltration or the collection system has <u>excess</u> capacity to contain run-on and infiltration from a 25-year, 24-hour storm?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
	iii.	Are chemically resistant water stops in place at all points?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>

	iv.	Is there a compatible interior coating to prevent migration into the concrete?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
	v.	For ignitable or reactive waste : Is the vault system provided with means to prevent (or alternatively "protect against") the formation or ignition of vapors?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
	vi.	Is vault system provided with an exterior moisture barrier?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
c.	Double-Walled Tank? [3745-66-93(E)(3)] If so,		Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
	i.	Is double-walled tank designed as an integral structure to contain any release from the inner tank?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
	ii.	If metal , are the primary tank interior and outer shell exterior surfaces protected from corrosion?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
	iii.	Is double-walled tank provided with a continuous leak detection system able to detect a release within 24 hours or at the earliest practicable time?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
d.	An Equivalent Device? As described in 3745-66-93(D)(4) which has been approved by the director? [3745-66-93(D)&(E)]		Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
SECONDARY CONTAINMENT DESIGN/OPERATION/INSTALLATION					
18.	Has each secondary containment system been designed, installed and operated to prevent <u>any</u> migration of wastes or liquid to the soil, groundwater, or surface water and is it capable of <u>detecting</u> and <u>collecting</u> releases and accumulated liquids? [3745-66-93(B)(1)&(2)]		Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
19.	Does the secondary containment system meet the following minimum requirements of [3745-66-93(C)]:				
	a.	Constructed or lined with compatible materials of sufficient strength to prevent failure? [3745-66-93(C)(1)]	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
	b.	Placed on a foundation or base capable of providing support? [3745-66-93(C)(2)]	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
	c.	Provided with a leak detection system designed/operated to detect failure to primary or secondary containment or any release of hazardous waste within 24 hours or at earliest practicable time? [3745-66-93(C)(3)]	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
	d.	Sloped or designed to drain and remove liquid resulting from leaks, spills or precipitation? [3745-66-93(C)(4)]	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
	e.	Any liquid which accumulates in the containment unit resulting from spills, leaks or precipitation removed within 24 hours or in a timely manner? [3745-66-93(C)(4)]	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
ANCILLARY EQUIPMENT REQUIREMENTS					
20.	Is ancillary equipment provided with secondary containment (such as double-walled piping, jacketing or a trench)?		Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
	If not , is the ancillary equipment one of the following: [3745-66-93(F)]				
	a.	Above ground piping (exclusive of flanges, joints, valves and connections) that is inspected daily?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
	b.	Welded flanges, welded joints and/or welded connections that is inspected daily?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
	c.	Sealless or magnetic coupling pumps and/or sealless valves?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
	d.	Pressurized above ground piping systems with automatic shut-off devices (e.g., excess flow check valves, flow metering shutdown and/or loss of pressure-actuated shut-off devices) that is inspected daily?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
TANK SYSTEMS FOUND TO BE LEAKING OR UNFIT FOR USE					
21.	Has there been a leak or spill from any tank system or has any tank system		Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>

	been found unfit for use? If so , did the o/o:	
<i>NOTE: If the tank is found to be unfit for use, inspector should explain why.</i>		
a.	Immediately cease flow of material into tank and investigate the cause of the release? [3745-66-96(A)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
b.	Remove waste from tank system to prevent further release within 24 hours of detection or earliest practicable time? [3745-66-96(B)(1)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
c.	Remove all material released into secondary containment system within 24 hours or as timely as possible to prevent harm to human health and the environment? [3745-66-96(B)(2)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
d.	For a visible release to the environment, immediately conduct a visual inspection of the release? [3745-66-96(C)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
e.	For a visible release to the environment, prevent further migration of the leak or spill to soils or surface waters? [3745-66-96(C)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
f.	For a visible release to the environment, properly dispose of any visibly contaminated soil or surface water? [3745-66-96(C)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
g.	Report any release to the environment to the director within 24 hours unless it was less than one pound and was cleaned up immediately? [3745-66-96(D)(1)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
h.	For a release to the environment, submit a written report of the incident to the director within 30 days of the release? [3745-66-96(D)(3)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
i.	Remediate the spill and repair the unit prior to returning it to service? [3745-66-96(E)(2)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
j.	For a release from a tank system without secondary containment, did the o/o provide secondary containment meeting the requirements of 3745-66-93 for the unit prior to putting it back into service? [3745-66-96(E)(4)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
<i>NOTE: The requirements noted in 20.j. do not apply if the release was from an above ground component of the tank which can be inspected visually after being put back into service.</i>		
22.	In the event that the repairs to the tank system were major (e.g., replacement of liner, repair of ruptured primary or secondary containment structure), did the o/o obtain a certification from a qualified professional engineer attesting that the repaired unit is capable of handling hazardous waste? [3745-66-96(F)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
23.	Was a copy of the certification submitted to the director within seven days after returning the system to use? [3745-66-96(F)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
24.	If the o/o was unable to repair and return the unit to service as described in 20.a through 20.e, was the tank system closed in accordance with 3745-66-97? [3745-66-96(E)(1)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
25.	Does the o/o have a tank system with a variance from secondary containment from which a release has occurred but <u>has not</u> migrated beyond the zone of engineering control? If so ,	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
a.	Has the o/o complied with 3745-66-96(A) through (F), except (D), and decontaminated soils? [3745-66-93(G)(3)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
b.	If soils cannot be decontaminated/removed, has the o/o complied with 3745-66-97(B)? [3745-66-93(G)(3)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
26.	Does the o/o have a tank system with a variance from secondary containment from which a release occurred and <u>has</u> migrated from the zone of engineering control? If so ,	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
a.	Has the o/o complied with 3745-66-96(A) through (D), prevented migration, and decontaminated soil? [3745-66-93(G)(4)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
b.	If soils cannot be decontaminated/removed, or if the groundwater has been contaminated, has the o/o complied with 3745-66-97(B)? [3745-66-93(G)(4)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>