



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

Re: Fort Amanda Specialties LLC  
OHD987054657  
Allen County  
DMWM, NWDO  
Partial Return to Compliance

February 5, 2013

Mr. Brett Anderson  
Fort Amanda Specialties LLC  
1747 Fort Amanda Road  
Lima, Ohio 45804

Dear Mr. Anderson:

Thank you for sending in the response to my August 27, 2012, Notice of Violation (NOV). Your response was received by the Ohio Environmental Protection Agency (Ohio EPA) on December 18, 2012, and included a cover letter and tank certification documents.

All tank certification documentation for tank TA-05-008 was reviewed by Ohio EPA's Central Office. Fort Amanda Specialties LLC's (FAS's) compliance with Ohio's hazardous waste tank rules and regulations is described below. Please note that FAS has not abated all listed violations.

The following is a summary of the violations observed after review of FAS's tank certification documentation and the facility's compliance with respect to each violation. In order to correct these violations you must do the following and send me the required information **within 14 days of your receipt of this letter**. Please note that any additional submitted documentation concerning the tank assessment must include the certification statement found in Ohio Administrative Code (OAC) rule 3745-50-42(D) as outlined below.

**Violations:**

1. **OAC rule 3745-66-92(A), Design and installation of new tank system or components:** Owners or operators of a new tank "...must obtain a written assessment reviewed and certified by a qualified professional engineer in accordance with paragraph (D) of rule 3745-50-42 of the Administrative Code attesting that the system has sufficient structural integrity and is acceptable for the storing and treating of hazardous waste..."

FAS failed to have a written assessment reviewed and certified by a qualified professional engineer in accordance with paragraph (D) of OAC rule 3745-50-42.

On December 18, 2012, Ohio EPA received documentation that included certification language for the inspection reports. However, these statements do not apply to the rest of the tank assessment previously submitted to Ohio EPA (e.g. for controls to prevent spills and overflows, adequacy of secondary containment, regular inspections for leaks and corrosion, etc.). This previous submittal was dated by FAS on May 30, 2012, and was received by Ohio EPA on June 1, 2012.

In order to abate this violation, FAS must submit a certification language addendum to attach to the May 30, 2012, submittal which meets OAC rule 3745-66-92(A). This certification must be submitted to Ohio EPA **within 14 days of receipt of this letter.**

2. **OAC rule 3745-66-92(A), Design and installation of new tank system or components:** "For new tank systems or components in which the external shell of a metal tank or any external metal component of the tank system is or will be in contact with the soil or with water, a determination by a corrosion expert..." must be included in the written assessment.

FAS failed to have a certified written assessment of the ancillary equipment (piping from the point of generation to the tank and from the tank to the point of disposal).

On December 18, 2012, Ohio EPA received external and internal tank inspection documentation. The external and internal tank inspection and the associated piping inspection found a number of deficiencies, most of which were noted as being corrected to the satisfaction of the inspector. However, the following deficiencies have not yet been noted as being resolved:

- Support sump/drain under tank. This is a non-mandatory recommendation of the inspector.
- Repair areas of insulation damage and insulation seal damage on pipes.
- Replacement of carbon steel backing flanges for pipes. This is a non-mandatory recommendation of the inspector.

It should also be noted that the inspector recommended a future inspection schedule for the tank which includes the following: external inspection in five (5) years (2017), internal inspection in 15 years (2027), and ancillary structures inspection in five (5) years (2017).

In order to abate this violation, FAS must resolve all outstanding mandatory deficiencies and submit the supporting documentation. All non-mandatory deficiencies and any activities to resolve these deficiencies or lack of action to address the deficiencies must be described and include reasoning and supporting documentation. This documentation must be submitted to Ohio EPA **within 14 days of receipt of this letter.**

- OAC rule 3745-66-92(A), Design and installation of new tank system or components:** "For underground tank system components that are likely to be affected by vehicular traffic, a determination of design or operational measures that will protect the tank system against potential damage..." must be included in the written assessment.

FAS failed to have a certified written assessment of the ancillary equipment (piping from the point of generation to the tank and from the tank to the point of disposal).

On December 18, 2012, Ohio EPA received documentation concerning the tank assessments. However, no statement was provided as to whether ancillary structures are likely to be affected by vehicular traffic.

In order to abate this violation, FAS must submit a certified written assessment for the ancillary equipment which addresses whether the ancillary structures are likely to be affected by vehicular traffic. This assessment must be submitted to Ohio EPA **within 14 days of receipt of this letter.**

- OAC rule 3745-66-92(E), Design and installation of new tank system or components:** "Ancillary equipment must be supported and protected against physical damage and excessive stress due to settlement, vibration, expansion or contraction."

FAS failed to have a certified written assessment of the ancillary equipment (piping from the point of generation to the tank and from the tank to the point of disposal).

On December 18, 2012, Ohio EPA received documentation concerning the support of ancillary equipment. Although no statement was provided as to whether the ancillary structures are supported and protected, the inspection did address vibration, supports, and insulation.

**Therefore, this violation is considered abated on December 18, 2012.**

5. **OAC rule 3745-66-93(E)(1), Containment and detection of releases:** "...external liner systems must be... provided with an impermeable interior coating or lining that is compatible with the stored waste and that will prevent migration of waste into the concrete..."

The concrete liner at FAS is coated with Atlas Rezklad 1255. However, FAS failed to submit supporting information regarding the compatibility of the coating with the stored waste and documentation that the coating will prevent migration of waste into the concrete.

On December 18, 2012, Ohio EPA received documentation that FAS intends to replace the dike liner in the spring of 2013, unless a search of records provides the missing compatibility information for the current coating.

In order to abate this violation, FAS must submit supporting information that addresses the compatibility of the coating to the stored waste and the migration of waste into the concrete. Since FAS intends to replace the coating in the spring, FAS should propose a replacement coating and provide information that addresses the compatibility of the proposed coating to the stored waste and the migration of waste into the concrete. FAS should also submit a proposed schedule for coating replacement. This information must be submitted **within 14 days of receipt of this letter.**

6. **OAC rule 3745-66-93(F), Containment and detection of releases:** "Ancillary equipment must be provided with full secondary containment..."

FAS failed to have a certified written assessment of the ancillary equipment (piping from the point of generation to the tank and from the tank to the point of disposal).

On December 18, 2012, Ohio EPA received information that FAS will inspect ancillary structures on a daily basis for leaks.

**Therefore, this violation is considered abated on December 18, 2012.**

**Recommendations:**

1. **OAC rule 3745-66-92(A)(2), Design and installation of new tank system or components:** Due to the acidic (pH 0-2) nature of some of the materials stored in tank TA-05-008, Ohio EPA recommends that FAS schedule periodic inspections of the tank interior to assess corrosion damage.

On December 18, 2012, Ohio EPA received documentation that FAS will inspect the tank periodically. Therefore, this recommendation is considered resolved.

2. **OAC rule 3745-66-92(A)(5)(a), Design and installation of new tank system or components:** Submitted calculations in the assessment used a specific gravity of 1.0. However, the submitted waste characterizations indicate specific gravity is 1.1. This discrepancy appears to have the greatest impact on the anchor bolt chairs (i.e. 'h' for the anchor chairs is designed for 13 inches whereas the corrected calculation indicates 13.85 inches is needed). However, since the tank is not in a saturated zone or a seismic fault zone, the design is not deficient. Ohio EPA recommends that FAS check the tank design using a specific gravity of 1.1 to determine if any foundation or tank upgrades are warranted.

On December 18, 2012, Ohio EPA received documentation that FAS is determining which value is correct. Calculations provided with the external and internal inspection report used a specific gravity of 1.1. However, FAS did not provide a statement as to which value is correct. Please provide this information.

3. **OAC rule 3745-66-92(A)(5)(b), Design and installation of new tank system or components:** This rule applies only if the tank is located in a saturated zone or within a seismic fault zone. Although tank TA-05-008 is not located in a seismic fault zone, it is located in a seismic impact zone. Ohio EPA recommends that FAS check the tank design to account for the tank's location within a seismic impact zone and determine if any foundation or tank upgrades are warranted.

On December 18, 2012, Ohio EPA received documentation that FAS will ask a qualified professional engineer to review the tank foundation construction. Calculations were provided with the external and internal inspection report, but the conclusion was that seismic calculations are not required. The submitted documentation did not specify if upgrades to the foundation or tank are warranted due to the location of the tank within a seismic impact zone. Please provide this information.

FAS needs to immediately take the necessary measures to return to compliance with Ohio's environmental laws. Within 14 days of receipt of this letter, FAS is requested to provide documentation to this office including the steps taken to abate the violations cited above. Documentation of steps taken to return to compliance includes written correspondence, updated policies, and photographs, as appropriate, and may be submitted via the postal service or electronically to [kara.reynolds@epa.state.oh.us](mailto:kara.reynolds@epa.state.oh.us).

Mr. Brett Anderson  
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Please be advised that 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 violations, FAS is requested to submit written correspondence of the steps that will be taken by date certain to attain compliance.

Please send all correspondence **within 14 days of receipt of this letter**, to Ohio EPA, Northwest District Office, Attn: Kara Reynolds, 347 North Dunbridge Road, Bowling Green, Ohio 43402.

Should you have any questions, please feel free to call me at (419) 373-3065.

Sincerely,



Kara Reynolds  
Environmental Specialist  
Division of Materials and Waste Management

//lr

cc: Colleen Weaver, DMWM, NWDO  
Kara Reynolds, DMWM, NWDO  
Lisa Gifford, DMWM, NWDO

cc: Colleen Weaver, DMWM, NWDO

**NOTICE:**

Ohio EPA's failure to list specific deficiencies or violations in this letter does not relieve your company from having to comply with all applicable regulations.