

Facility ID: 0125040083 Issuance type: Final State Permit To Operate

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In addition to the terms and conditions, hyperlinks have been inserted into the document so you may more readily access the section of the document you wish to review.

Finally, the term language under "Part II" and before "A. Applicable Emissions Limitations..." has been added to aid in document conversion, and was not part of the original issued permit.

THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION

Facility ID: 0125040083 Emissions Unit ID: P002 Issuance type: Final State Permit To Operate

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Part II - Special Terms and Conditions

This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

1. For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
 - (a) None.
2. For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
 - (a) None.

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
raw materials handling building, vented to a 70,000 cfm Quad wet scrubber and a 75,000 cfm Stord Bartz wet scrubber for the control of odors	PTI 01-4579	The emissions of organic materials shall not exceed 8 lbs/hr and 40 lbs/day, unless the total emissions have been reduced by more than 85%, by weight.

See A.2 below.

2. **Additional Terms and Conditions**
 - (a) Odorous gases from P002 shall be vented to the Quad wet scrubber and/or the Stord Bartz wet scrubber in accordance with the terms and conditions of this permit.
Odor emissions from P002 shall not cause a nuisance, in violation of OAC rule 3745-15-07.

B. Operational Restrictions

1. Odorous gases from P002 shall be vented to the Quad wet scrubber and/or the Stord-Bartz wet scrubber whenever more than five tractor trailer loads of raw materials have been unloaded into P002, or whenever any slaughterhouse materials have been in P002 for more than ten hours.
2. The permittee shall operate the Stord-Bartz scrubber in a manner that complies with the following restrictions:
 - a. The water discharge pressure on the discharge side of the recirculating water pump shall not be less than 20 psig.
 - b. The recirculating water flow rate shall not be less than 4.5 gpm.
 - c. The hypochlorite solution feed rate shall not be less than 50% of the maximum capacity of the chemical feed pumps. The hypochlorite solution fed to the scrubber shall not be less than 15%, by weight, hypochlorite.
 - d. There shall be a constant flow of water discharging from the overflow line of the water reserve tank.
 - e. There shall be no objectionable rendering odors in the exhaust gases, detectable by smell.
3. The permittee shall operate the Quad wet scrubber in a manner that complies with the following restrictions:
 - a. The water pressure at the spray nozzles shall not exceed 40 psig.
 - b. The water flow rate shall not be less than 2.0 gpm.
 - c. The hypochlorite solution feed rate shall not be less than 50% of the maximum capacity of the chemical feed pumps. The hypochlorite solution fed to the scrubber shall not be less than 15%, by weight, hypochlorite.
 - d. The air pressure shall not be less than 80 psig.
 - e. The bottom drain on the tank shall be maintained in an open condition.
 - f. There shall be no objectionable rendering odors in the exhaust gases, detectable by smell.
4. The permittee shall exercise good housekeeping practices throughout the facility. Good housekeeping shall include daily cleaning with hot water and disinfectant to minimize the presence of residual grease and meat scraps in P002 and in the process buildings following the rendering process, and shall also include the following

measures:

- a. Access doors and windows shall be kept closed during the rendering process.
 - b. The direction of air flow through all building openings during the rendering process shall be into the building and through the scrubbers and the incineration system.
 - c. The openings in P002 and the process buildings shall be maintained at less than 5% of the total building surface area during the rendering process.
 - d. The external doors of P002 shall be closed at all times when raw materials are present, except as necessary to allow trucks to enter and exit the building.
5. The permittee shall maintain and repair the Quad wet scrubber and the Stord-Bartz wet scrubber in accordance with the O&M plan submitted to the Attorney General's Office on November 15, 1995.
- C. **Monitoring and/or Record Keeping Requirements**
1. The permittee shall operate and maintain equipment that will accurately and continuously monitor the water discharge pressure and recirculating water flow rate for the Stord-Bartz wet scrubber and the water pressure, water flow rate, and air pressure for the Quad wet scrubber.
 2. The permittee shall maintain daily records that document the following:
 - a. The operating times for the cookers, troughs, condensers, centrifuges, presses, and boiler.
 - b. The time the sixth tractor trailer load of raw materials was unloaded in P002.
 - c. The times during which P002 contains any slaughterhouse materials.
 - d. The operating times for the Quad and Stord-Bartz wet scrubbers.
 - e. During cold weather months (October through April), whether or not the ambient temperature for the day is less than 40 degrees Fahrenheit (yes or no).
 3. The permittee shall maintain weekly records of the approximate amount of hypochlorite solution used in each of the wet scrubbers, in gallons.
 4. The permittee shall inspect the Stord-Bartz wet scrubber every two hours during its operation and record the following information:
 - a. The water discharge pressure on the discharge side of the recirculating water pump, in psig.
 - b. The recirculating water flow rate, in gpm.
 - c. The hypochlorite solution feed rate, as a % of the maximum capacity of the chemical feed pumps.
 - d. The %, by weight, of the hypochlorite in the hypochlorite solution fed to the scrubber.
 - e. Whether or not there is a constant flow of water discharging from the overflow line of the water reserve tank (yes or no).
 - f. A description of the odor of the exhaust gases, as one of the following:
 - i. no odor,
 - ii. chlorine odor,
 - iii. slight rendering odor and no chlorine odor,
 - iv. strong rendering odor and no chlorine odor,
 - v. rancid odor, or
 - vi. other (describe).
 5. The permittee shall inspect the Quad wet scrubber every two hours during its operation and record the following information:
 - a. The water pressure at the spray nozzles, in psig.
 - b. The water flow rate, in gpm.
 - c. The hypochlorite solution feed rate, as a % of the maximum capacity of the chemical feed pumps.
 - d. The %, by weight, of the hypochlorite in the hypochlorite solution fed to the scrubber.
 - e. The air pressure, in psig.
 - f. Whether or not the bottom drain on the tank is open (yes or no).
 - g. A description of the odor of the exhaust gases, as one of the following:
 - i. no odor,
 - ii. chlorine odor,
 - iii. slight rendering odor and no chlorine odor,

- iv. strong rendering odor and no chlorine odor,
- v. rancid odor, or
- vi. other (describe).

D. Reporting Requirements

- 1. The permittee shall submit quarterly reports for the Stord-Bartz wet scrubber that identify all deviations (excursions) of the operational restrictions specified in B.2.
- 2. The permittee shall submit quarterly reports for the Quad wet scrubber that identify all deviations (excursions) of the operational restrictions specified in B.3.
- 3. The permittee shall submit quarterly reports that identify all deviations (excursions) of the operational restrictions specified in B.4.
- 4. The permittee shall submit quarterly deviation (excursion) reports that identify all periods of time when either more than five tractor trailer loads of raw materials have been unloaded into P002 or any slaughterhouse materials have been in P002 for more than ten hours, and the odorous gases from P002 were not vented to the Quad wet scrubber and/or the Stord-Bartz wet scrubber.
- 5. The quarterly deviation (excursion) reports shall be submitted in accordance with paragraph (3) of the General Terms and Conditions.
- 6. The permittee shall submit quarterly reports that summarize the total number of gallons of hypochlorite solution used each week in each of the wet scrubbers. The reports shall be submitted by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters.

E. Testing Requirements

- 1. In accordance with PTI 01-4579, the permittee will not be required to conduct an emission test for P002 unless the Director believes that P002, as operated, is exceeding the emission limitations for organic materials specified in A.1, in which case the Director may order an emission test to determine whether or not P002 is meeting such limitations.

F. Miscellaneous Requirements

- 1. None