

**A. Applicable Emission Limits and/or Control Requirements**

1. Visible particulate emissions from any fugitive dust emissions unit, shall not exceed 20 percent opacity, as a three-minute average, except as specified by rule.
2. Visible particulate emissions from any stack at this facility (excluding P904) shall not exceed 20 percent opacity, as a six-minute average, except as specified.
3. Visible particulate emissions from the P904 exhaust stack at this facility shall not exceed 0 percent opacity, as a six-minute average, except as specified by rule.
4. Capture points for the barge conveyor drop and telescoping spout discharge shall be vented to a fabric filter having a control efficiency of at least 99 percent.
5. Particulate emissions from the truck unloading operation, (OEPA ID: P901) shall be vented to a fabric filter having a control efficiency of at least 99 percent.

**B. Operational Restrictions**

1. The annual throughput for emissions unit F003 shall not exceed 2800 tons per year.
2. The truck unloading building (OEPA ID: P901) and the truck loading building (OEPA ID:F003) shall have a roof, be enclosed on two sides, have an electric door on the entrance side, and have a drop curtain on the exit side.
3. Barge unloading stations (OEPA ID: P904) shall operate as follows:

The unloading leg shall be enclosed from the top (including the receiving hopper) to the center line of the bottom pulley and ventilation to a control device shall be maintained on both sides of the leg and the grain receiving hopper.
4. The pressure drop across the fabric filter for P901 and P904 shall be maintained within the range of 2.0 to 6.0 inches of water while the emissions unit is in operation.

5. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across the baghouses while the emissions unit are in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a daily basis.
6. The truck loading building (OEPA ID:F003) shall have a roof and be enclosed on two sides, and have drop curtains at either end of the building.
7. A mineral oil spray shall be applied to the grain throughput if any of the emissions limits in this permit are exceeded at any time.

**C. Monitoring and/or Recordkeeping Requirements**

1. Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created, unless otherwise specified in this permit. Support information shall include, but not be limited to, all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. At a minimum, the most recent 2 years of data shall be retained on site. The remaining 3 years of data may be retained off site. Such files may be maintained on microfilm, on a computer, on computer floppy disks, on magnetic tape disks, or on microfiche.
2. This facility shall maintain monthly records which list the following information for emissions units P901, F003, P904, F007:
  - a. the identity and total monthly quantity (in tons) of each commodity received (P901) and each commodity handled (throughput) or stored (F007); and,
  - b. the identity and total monthly quantity (in tons) of each commodity shipped (F003 and P904).

**D. Reporting Requirements**

1. This facility shall submit semi-annual reports to the Hamilton County Dept. of Env. Services which summarize

the following information for emissions unit P901, F003, P904, F007:

- a. the identity and total monthly quantity (in tons) of each commodity received; and
- b. the identity and total monthly quantity (in tons) of each commodity shipped.

The reports shall be submitted by February 15 and August 15 of each year and shall cover the previous six calendar months (July through December and January through June, respectively).

2. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouses associated with P901 and P904 did not comply with the allowable range specified above.

These reports shall be submitted to the Hamilton County Dept. of Env. Services within thirty days following the excursion.

3. The permittee shall submit semi-annual summaries which include a log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions units, P901 and P904 were in operation.
4. The permittee shall submit required reports in the following manner:
  - a. reports of any required monitoring and/or recordkeeping information shall be submitted to the Hamilton County Dept. of Env. Services; and,
  - b. except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and recordkeeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventative measures which have been or will be taken, shall be submitted to the Hamilton County Dept. of Env. Services. If no deviations occurred during a

calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06).

**E. Testing Requirements**

1. Compliance with the visible emission limitation in OAC 3745-17-07(A) and (B) shall be demonstrated by the methods outlined in OAC 3745-17-03(B).
2. Compliance with OAC 3745-17-08(B)(3) for P901 shall be demonstrated by emissions calculations using AP-42 emissions factors and the following calculation:  
$$E = \text{Tons throughput /Hr} \times \text{Lbs. PM/Ton} \times (\text{capture efficiency fraction}) \times (1 - \text{control efficiency fraction}) = \text{Lbs. PM emitted to ambient air / Hr.}$$
3. Compliance with OAC 3745-17-11, Figure II, shall be demonstrated by emissions calculations and reporting requirements outlined in PTI 14-4433.
4. Compliance with the emission limitations outlined in this permit shall be demonstrated by the control efficiencies, stack test requirements, and the operational parameters as submitted in the PTI application 14-4433 submitted 04/06/98.

**Performance Test**

5. After achieving the maximum production rate at which this facility will be operated, but not later than 180 days after initial startup, the permittee shall conduct performance tests for particulate matter (PM) according to test methods for visible emissions outlined in OAC 3745-17-03(B) for emissions units P901, F003, P904, F005, F006, and F007 (including storage bin vents), at this facility. Operations during periods of startup, shutdown, and malfunction do not constitute representative conditions for the purpose of a performance test.
6. Each performance test shall consist of at least three separate runs at the same operating conditions.

7. The test(s) shall be conducted while each emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Hamilton County Dept. of Env. Services.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Hamilton County Dept. of Env. Services. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Hamilton County Dept. of Env. Service's refusal to accept the results of the emission test(s).

Personnel from the Hamilton County Dept. of Env. Service shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Hamilton County Dept. of Env. Service within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Hamilton County Dept. of Env. Service.

**F. Miscellaneous Requirements**

1. The hourly and daily potential to emit for emissions unit P901, P904 and F007 is less than the allowable emission limitation(s) established in OAC rule 3745-17-11. Therefore, no hourly and/or daily records are required to demonstrate compliance with these limits.