

Facility ID: 1576171157 Issuance type: Final State Permit To Operate

This version of facility specific terms and conditions was converted from a database format to an HTML file during an upgrade of the Ohio EPA, Division of Air Pollution Control's permitting software. Every attempt has been made to convert the terms and conditions to look and substantively conform to the permit issued or being drafted in STARS. However, the format of the terms may vary slightly from the original. In addition, although it is not expected, there is a slight possibility that a term and condition may have been inadvertently "left out" of this reproduction during the conversion process. Therefore, if this version is to be used as a starting point in drafting a new version of a permit, it is imperative that the entire set of terms and conditions be reviewed to ensure they substantively mimic the issued permit. The official version of any permit issued final by Ohio EPA is kept in the Agency's Legal section. The Legal section may be contacted at (614) 644-3037.

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.

Northstar Asphalt is restricted to formulating any asphalt composition only from any combination of raw materials cited in item No. 13 of the April 18, 1995 Appendix A in the application for this operating permit. The entire Appendix A cited above is incorporated by reference into these special terms and conditions.

B. Operational Restrictions

1. Recycled Used Oil Limitations

All recycled, used oil burned in this emissions unit shall meet the following specifications unless the permittee obtains a Permit to Install authorizing the burning of used oil in excess of these specifications:

Contaminant/Property Allowable Specification

Arsenic 5 ppm, maximum
Cadmium 2 ppm, maximum
Chromium 10 ppm, maximum
Lead 100 ppm, maximum
PCB's 50 ppm, maximum
Total Halogens 4000 ppm, maximum
Mercury 1 ppm, maximum
Flash Point 100 Degrees F, minimum
Heat Content 135,000 BTU/gallon, minimum

2. Used Oil Limitations - High Total Halogens

Used oil containing more than 1000 ppm total halogens is presumed to be a hazardous waste under the rebuttable presumption provided under 40 CFR 266.40(c) and OAC rule 3745-58-50. Therefore, this facility may receive and burn used oil exceeding 1000 ppm of total halogens (but less than 4000 ppm, maximum) only if the supplier ["marketer" in 40 CFR 266.43(a)] has demonstrated to the Ohio EPA's Division of Hazardous Waste Management that the used oil does not contain any hazardous waste.

3. Operational requirements for a baghouse

To ensure the baghouse is operated according to the manufacturer's specifications and to maintain compliance with the allowable particulate emission rate, a pressure drop across the baghouse of not less than 4 inches of water or greater than 6 inches of water shall be maintained at all times.

If a baghouse pressure drop reading is obtained which is outside these limits, then steps shall be taken to correct the conditions causing the baghouse pressure drop deviation.

The baghouse pressure drop limits in this permit may be modified after a significant amount of baghouse pressure drop data is collected. In order to request such a change, the permittee must submit a Permit to Operate Modification application to the Canton City Health Department, Air Pollution Control Division, 420 Market Avenue North, Canton, Ohio 44702.

C. Monitoring and/or Record Keeping Requirements

1. Recordkeeping of Chemical Analysis of Used Oil

This facility shall receive a chemical analysis with each shipment of used oil from the supplier. The analysis shall identify the name and address of the supplier, the supplier's USEPA identification number, and the following information:

- (a) date of shipment or delivery,
- (b) quantity of used oil received,
- (c) the BTU value of the used oil,
- (d) the flash point of the used oil,
- (e) the arsenic content,
- (f) the cadmium content,
- (g) the chromium content,
- (h) the lead content,
- (i) the PCB content,
- (j) the total halogen content,
- (k) the mercury content, and
- (l) the percentage of sulfur in the oil.

Each analysis shall be kept for a minimum of five years and shall be made available to the Director or any authorized representative of the Director for review during normal business hours.

2. The baghouse exhaust stack shall be visually checked on a daily basis for excess emissions by plant personnel certified as visible emissions readers per Method 9. These readings shall be conducted for a minimum of 15 consecutive minutes each day while the plant is in operation. If excess emissions are noted, the conditions causing these emissions shall be corrected.

3. Baghouse monitoring and recordkeeping requirements

The permittee shall properly operate and maintain a monitoring device capable of accurately measuring the pressure drop across the fabric filter.

The permittee shall check the pressure drop once a day and maintain daily records of the pressure drop readings.

If a baghouse pressure drop reading is obtained which is outside the limits of four (4) to six inches of water (6 in. of water), then plant personnel certified as visible emissions readers per Method 9 shall visually check the baghouse exhaust stack for excess emissions.

D. Reporting Requirements

1. This facility shall submit a written excess visible emissions report within fourteen (14) days of an exceedance of the visible emissions limitations in section A.1 of this permit.

The report shall be submitted to the Canton City Health Department, Air Pollution Control Division, 420 Market Avenue North, Canton, Ohio 44702.

The report shall contain the date of the excess visible emissions readings, the visible emissions observation report, and a detailed description of the steps taken to correct the condition(s) causing the excess emissions.

2. Baghouse pressure drop reporting requirements

The permittee shall submit deviation (excursion) reports which identify all deviations of the allowable pressure drop range across the baghouse of four (4) to six inches of water (6 in water).

This facility shall submit a written baghouse pressure drop deviation report within fourteen (14) days of any measured baghouse pressure drop which is outside the range of four (4) to six inches of water (6 in water).

The report shall be submitted to the Canton City Health Department, Air Pollution Control Division, 420 Market Avenue North, Canton, Ohio 44702.

The report shall contain the date of the pressure drop deviation, the pressure drop reading in inches of water, the related visible emissions observation report, and a detailed description of the steps taken to correct the condition(s) causing the baghouse pressure drop deviation.

E. Testing Requirements

1. Stack Testing Requirements for Particulate Emissions

Within 6 months prior to the expiration of this permit, this facility shall conduct, or have conducted, an emissions test(s) for this emissions unit in order to demonstrate compliance with the allowable mass emissions rate for particulates. The emissions test(s) shall be conducted in accordance with the test methods and procedures specified in OAC rule 3745-17-03 (B) (10). Specifically, these test methods and procedures are Method 5 & 17 in Appendix A of 40 CFR, Part 60 "Standards of Performance for new Stationary Sources", as such appendix existed on July 1, 1990. The test(s) shall be conducted under maximum production rates unless otherwise specified or approved by Canton Local Air Agency.

In addition, during this emissions test, the pressure drop across the baghouse shall be measured using the pressure drop measuring equipment which is used daily to measure the pressure drop, and, the baghouse exhaust stack shall be visually checked for excess emissions for a period of at least one hour by personnel certified as visible emissions readers per Method 9.

Not later than 30 days prior to the proposed test date(s), this facility shall submit an "Intent to Test" notification to the Canton Local Air Agency. 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 the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Canton Local Air Agency's refusal to accept the results of the emission test(s). Personnel from the Canton Local Air Agency shall be permitted to witness the test(s), examine the testing equipment and acquire data and information regarding the emissions unit operating parameters.

A comprehensive written report on the results of the emissions test(s) shall be submitted to the Canton Local Air Agency within 30 days following completion of the test(s).

2. Used Oil Analyses

The Director or any authorized representative of the Director may require or may conduct periodic, detailed chemical analyses through an independent laboratory of any used oil shipment received by this facility or any used oil stored at this facility, or of any used oil sampled at the process employing the used oil as fuel.

3. In order to demonstrate compliance with the visible emission of fugitive dust limitations in section A.1, visible particulate emissions of fugitive dust shall be determined according to test method twenty two as set forth in the "Appendix on Test Methods" in 40CFR, Part 60, "Standards of Performance for New Stationary Sources" as such appendix existed on July 1, 1990 as described in OAC 3745-17-03 (B) (4).
4. In order to demonstrate compliance with the visible emission limitations from the stack of P901, visible particulate emissions shall be determined according to test method nine as set forth in the "Appendix on Test Methods" in 40CFR, Part 60, "Standards of Performance for New Stationary Sources" as such appendix existed on July 1, 1990 as described in OAC 3745-17-03 (B) (1).

F. Miscellaneous Requirements

1. In accordance with Ohio Administrative Code (OAC) Rule 3745-31-05 (A) (2), this facility shall comply with all "applicable laws" as defined in OAC Rule 3745-31-01 (F). Therefore, the air permit to operate cannot exempt Northstar Asphalt Inc. from any current or future regulations regarding the disposal or recycling of used oil.