SPECIAL CONDITIONS

Permit No. 39266

EMISSION STANDARDS AND FUEL SPECIFICATIONS

1. These facilities shall comply with all requirements of Environmental Protection Agency (EPA) regulations on Standards of Performance for New Stationary Sources promulgated for Hot Mix Asphalt Facilities in Title 40 Code of Federal Regulations Part 60 (40 CFR 60), Subparts A and I.

2. Total emissions from these facilities shall not exceed the values stated on the attached table entitled "Emission Sources - Maximum Allowable Emission Rates". Compliance with these permitted emission limits is based on production limits as listed on the maximum allowable emission rates table (MAERT).

3. The applicant has represented that fuel for the dryer shall be either pipeline sweet natural gas as defined in the general rules adopted by the Texas Natural Resource Conservation Commission (TNRCC) containing no more than 5 grains total sulfur and 0.25 grain hydrogen sulfide per 100 dry standard cubic feet (dscf), or first-run No. 4 fuel oil. All liquid fuel must have a maximum sulfur content of no more than 0.6 percent by weight and shall not consist of a blend containing waste oils or solvents.

   Use of any other fuel shall require prior written approval of the Executive Director of the TNRCC. Upon request by the Executive Director of the TNRCC or any local air pollution control program with jurisdiction, the holder of this permit shall provide a sample of the fuel(s) utilized in these facilities or shall allow air pollution control program representatives to obtain a sample for analysis.

OPACITY/VISIBLE EMISSION LIMITATIONS

4. As determined by a trained observer with delegation from the Executive Director of the TNRCC, no visible fugitive emissions from the screens, transfer points on belt conveyors, or stockpiles shall leave the property. Visible emissions shall be determined by EPA Test Method (TM) 22 or equivalent. If this condition is violated, additional controls or process changes may be required to limit visible particulate matter (PM) emissions. Stack emissions may leave the plant property provided Special Condition No. 5 is not violated.

5. As determined by a certified opacity observer with delegation from the Executive Director of the TNRCC and according to EPA TM 9 or equivalent, opacity of emissions from the fabric filter baghouse stack shall not exceed 5 percent averaged over a six-minute period, except for those times described in 30 Texas Administrative Code (TAC) Sections 101.6 and 101.7 and EPA document 40 CFR

60, Subpart A, Section 60.11 (c). If 5 percent opacity is exceeded, Special Condition 10 applies.

OPERATIONAL LIMITATIONS AND WORK PRACTICES

6. As represented by the applicant, the following shall occur:

A. Except for periods of start-up or shutdown not exceeding 20 minutes, the maximum mix temperature of the asphalt concrete shall not exceed 325°F. A temperature of asphalt concrete in excess of 325°F confirmed by the TNRCC or any local air pollution control program with jurisdiction may be cause for stack sampling. There may be multiple periods of start-up and shutdown during an operating day.

A visibility problem or an odor nuisance condition, as confirmed by the TNRCC or any local air pollution control program with jurisdiction, created by the 325°F temperature, shall be cause for additional controls and/or lowering of the asphalt concrete mixture temperature. If the nuisance condition persists, subsequent stack sampling may also be required.

B. All plant roads and work areas shall be paved with a cohesive hard surface which can be cleaned repeatedly by sweeping or washing. All roads and stockpiles shall be sprinkled with water and/or environmentally sensitive chemicals upon detection of visible particulate emissions to maintain compliance with all TNRCC rules and regulations.

C. The cold feed and recycled asphalt pavement (RAP) bins shall be enclosed on three sides and the top, with the top no less than eight feet in height over the bins.

D. The screens, bin drops, and conveyor drops under the bins shall be enclosed on all four vertical sides.

E. Eight foot high bunkers shall be constructed around the perimeter of the stockpile area. The stockpile height shall not exceed the top of the bunkers.

F. The exhaust outlet of the fabric filter baghouse stack shall be a minimum of 43 feet above ground.

G. As represented in the permit application, the respirable silica content (particulate matter less than 4 microns in diameter) of any sand used in asphalt concrete mixes shall be no more than 16.8 percent by weight of sand.

H. Asphalt concrete mixes made with cutback asphalt or asphalt emulsions

shall not be produced at this facility.

I. The company will maintain all abatement systems in good working order and immediately make appropriate corrections and/or repairs to any facility equipment if visible emissions occur.

7. Asphalt additives represented for use at this facility are:

| Description | Maximum Concentration |
|---|---|
| Liquid Amine Antistrip Agents | 1 percent by weight of liquid asphalt in the mix |
| RAP | 20 percent displacement of aggregate |

Asphalt additives which have not been represented in the permit application shall not be used without prior written approval from the Executive Director of the TNRCC.

INITIAL DETERMINATION OF COMPLIANCE

8. Stack sampling for PM emissions shall occur after initial start-up of the facilities to comply with New Source Performance Standards Subpart A & I requirements. Requests for additional time to perform sampling shall be submitted to the TNRCC Regional Office. Additional time to comply with the applicable requirements of 40 CFR 60 requires EPA approval, and requests shall be submitted to the TNRCC Austin Enforcement Division, Engineering Services Section.

9. The holder of this permit shall submit to the TNRCC Executive Director and the TNRCC Regional Director documentation certifying that the facility complies with all the terms of the permit file and that operation of the facility is in compliance with all conditions of this permit, the Texas Clean Air Act, and the rules of the TNRCC. This certification shall consist of a statement explaining how each condition requirement is being satisfied, a sample of each record sheet required to be maintained by any condition, and a listing of all testing required with test dates. This documentation shall be submitted with any report of testing or monitoring results required by this permit or within 60 days of commencement of operations.

CONTINUOUS DETERMINATION OF COMPLIANCE

10. Upon being informed by the TNRCC Executive Director that the staff has documented visible emissions from these facilities exceeding 5 percent opacity, when adjusted for uncombined water vapor, averaged over six-consecutive

minutes, the holder of this permit shall conduct stack sampling analyses or other tests to prove satisfactory equipment performance and demonstrate compliance with the 0.04 gr/dscf allowable. Sampling must be conducted in accordance with appropriate procedures of the TNRCC Sampling Procedures Manual or in accordance with applicable EPA Code of Federal Regulations procedures. Any deviations from those procedures must be approved by the TNRCC Executive Director prior to sampling.

11. The holder of this permit shall perform stack sampling analysis for PM and total volatile organic compounds and other testing as required to establish the actual pattern and quantities of air contaminants being emitted into the atmosphere from the exhaust stack when the asphalt concrete mix temperature exceeds 325°F.

12. In addition to the above compliance requirements, the TNRCC Regional Director may require stack sampling or ambient air monitoring to determine the opacity, rate, composition, and/or concentration of the plant's emissions. The holder of this permit may request the TNRCC Executive Director to approve alternate sampling techniques or other means to determine the opacity, rates, composition, and/or concentration of emissions in accordance with 30 TAC Section 101.8.

SAMPLING REQUIREMENTS

13. The holder of this permit is responsible for providing sampling and testing facilities and conducting the sampling and testing operations at his expense. Sampling ports and platform(s) shall be installed on the exhaust stack according to the specifications set forth in the attachment entitled "Chapter 2, Stack Sampling Facilities" prior to stack sampling. Alternate sampling facility designs may be submitted for approval by the Executive Director of the TNRCC.

14. A pretest meeting concerning the required monitoring shall be held with personnel from the TNRCC before the required tests are performed. Air contaminants to be tested for and the test methods to be used shall be determined at this pretest meeting.

    A. Sampling shall occur within 60 days of Special Conditions Nos. 8, 10, 11, or 12 stipulations.

    B. The TNRCC Regional Office shall be notified not less than 45 days prior to sampling to schedule a pretest meeting. The notice to the TNRCC Regional Office shall include:

(1) Date for pretest meeting.
(2) Date sampling shall occur.
(3) Name of firm conducting sampling.
(4) Type of sampling equipment to be used.
(5) Method or procedure to be used in sampling.

The purpose of the pretest meeting is to review the necessary sampling and testing procedures, to provide the proper data forms for recording pertinent data, and to review the format procedures for submitting the test results.

C. A written proposed description of any deviation from sampling procedures specified in permit conditions or TNRCC or EPA sampling procedures shall be made available to the TNRCC prior to the pretest meeting. The TNRCC Regional Office shall approve or disapprove of any deviation from specified sampling procedures.

D. The plant shall operate at maximum production rates and temperatures during stack emissions testing. If the plant is unable to operate at maximum rates during testing, then future production rates and tank and drum temperatures shall be limited to the rates established during testing (+/- 10%). Additional stack testing shall be required when higher production rates are achieved.

E. The sampling report shall include the following:

(1) Plant production rate during tests.
(2) Type of fuel and consumption rates.
(3) Mix type and temperature.
(4) Percent sulfur in fuel.
(5) Concentration (by weight) of liquid asphalt, antistrip agents, or any additive present in the asphalt concrete mix.

F. Copies of the final sampling report shall be submitted within 30 days after sampling is completed. Sampling reports shall comply with the provisions of Chapter 14 of the TNRCC Sampling Procedures Manual. The reports shall be distributed as follows:

One copy to the appropriate TNRCC Regional Office.
One copy to the TNRCC Austin Enforcement Division, Engineering Services Section.
One copy to each appropriate local air pollution control program.

RECORD KEEPING REQUIREMENTS

15. The following records shall be kept for a rolling two-year period and made available for inspection by the TNRCC and local air pollution control programs with jurisdiction:

A. Production of asphalt concrete mix as referenced on the MAERT;
B. Temperature of the asphalt concrete mix as monitored in the mixing section of the drum;
C. Usage of all additives to demonstrate compliance with application representations;
D. Sand content of all asphalt concrete mixes produced;
E. Lab analysis of all sand used in asphalt concrete mixes that lists the respirable silica content of the sand;
F. Records of all repairs and maintenance of abatement systems.

Dated _____