

SUPPLEMENT TO PERMIT NO. 772-93

West Shore Construction Company
Zeeland, Michigan

January 21, 1994

GENERAL CONDITIONS

1. Rule 208(2) - Not more than 30 days after completion of the installation, Applicant shall apply, in writing, for a Permit to Operate. Completion of the installation is deemed to occur not later than commencement of a trial operation pursuant to Rule 201(4). Written application should be sent to: Chief, Permit Unit, Air Quality Division, Department of Natural Resources, P.O. Box 30028, Lansing, Michigan 48909.
2. Rule 201(4) - Trial operation of the equipment is permitted until the Michigan Air Pollution Control Commission acts upon the Permit to Operate. Operation of the equipment shall permanently cease upon denial of the Permit to Operate by the Commission.
3. Rule 208(3)(a) and (c) - Applicant shall demonstrate compliance with all Commission rules and with all general and special conditions of this permit prior to issuance of the Permit to Operate.
4. Rule 201 - Applicant shall not reconstruct, alter, modify, expand, or relocate this equipment unless plans, specifications, and an application for a Permit to Install are submitted to and approved by the Commission.
5. Rule 901 - Operation of this equipment shall not result in the emission of an air contaminant which causes injurious effects to human health or safety, animal life, plant life of significant value, or property, or which causes unreasonable interference with the comfortable enjoyment of life and property.
6. Rule 208(3)(b) - Operation of this equipment shall not interfere with the attainment or maintenance of the air quality standard for any air contaminant.
7. Operation of this equipment shall not result in significant deterioration of air quality.
8. Rule 912 - Applicant shall provide notification of any abnormal conditions or malfunction of process or control equipment covered by this application, resulting in emissions in violation of the Commission rules or of any permit conditions for more than two hours, to the District Supervisor. Such notice shall be made as soon as reasonably possible, but not later than 9:00 a.m. of the next working day. Applicant shall also, within 10 days, submit to the District Supervisor, a written detailed report, including probable causes, duration of violation, remedial action taken, and the steps which are being undertaken to prevent a recurrence.

9. Approval of this application does not exempt the Applicant from complying with any future regulations which may be promulgated under Act 348, P.A. 1965, as amended.
10. Approval of this permit does not obviate the necessity of obtaining such permits or approvals from other units of government as required by law.
11. Act No. 53 - Applicant shall notify any public utility of any excavation, tunneling and discharging of explosives or demolition of buildings which may affect said utility's facilities in accordance with Act 53 of the Public Acts of 1974, being sections 460.701 to 460.718 of the Michigan Compiled Laws and comply with each of the requirements of that Act.
12. The restrictions and conditions of this Permit to Install shall apply to any person or legal entity which now or shall hereafter own or operate the equipment for which this Permit to Install is issued. Any new owner or operator shall immediately notify the Chief of the Permit Unit, in writing, of such change in ownership or principal operator status of this equipment.
13. Rule 201(5) - If the installation, reconstruction, relocation, or alteration of the equipment for which this permit has been approved has not commenced within, or has been interrupted for, 18 months, this permit shall become void unless otherwise authorized by the Commission.
14. Rule 285 - Except as allowed by Rule 285 (a), (b), and (c), applicant shall not substitute any fuels, coatings, nor raw materials for those described in the application and allowed by this permit, nor make changes to the process or process equipment described in the application, without prior notification to and approval by the Air Quality Division.

SPECIAL CONDITIONS

15. The particulate emission rate from the drum mix asphalt plant shall not exceed 0.04 grains per dry standard cubic foot of exhaust gases, nor 15.6 pounds per hour. This limit is based on the Federal Standards of Performance for New Stationary Sources, 40 CFR, Part 60, Subparts A and I.
16. Visible emissions from the asphalt plant shall not exceed a 6-minute average of 5% opacity, except for uncombined water vapor.
17. Within 60 days after achieving the maximum production rate, but not later than 180 days after the commencement of trial operation, Federal Standards of Performance for New Stationary Sources require verification of particulate emission rates from the drum mix asphalt plant by testing, at owner's expense, in accordance with 40 CFR, Part 60, Subparts A and I. Verification of emission rates includes the submittal of a complete report of the test results. Applicant shall notify the District Supervisor in writing within 15 days of the date of commencement of trial operation in accordance with 40 CFR, Part 60.7(a)(3). Stack testing procedures and the location of stack testing ports shall be in accordance with the applicable

federal Reference Methods, 40 CFR, Part 60, Appendix A. No less than 30 days prior to testing, a complete stack testing plan must be submitted to the Air Quality Division. The final plan must be approved by the Air Quality Division prior to testing.

18. Applicant shall not operate the drum mix asphalt plant unless the baghouse is installed and operating properly.
19. The exhaust gases from the drum mix asphalt plant shall be discharged unobstructed vertically upwards to the ambient air from a stack with a maximum diameter of 61 inches at an exit point not less than 45 feet above ground level.
20. Applicant shall limit the asphalt mixture to a maximum of 50% recycled asphalt material (RAP).
21. Applicant shall not substitute any fuel for that described in this permit application which would result in an appreciable change in the quality or any appreciable increase in the quantity of the emission of an air contaminant without prior notification to and approval by the Air Quality Division.
22. Applicant shall not operate the drum mix asphalt plant unless the program for continuous fugitive emissions control for all plant roadways, the plant yard, all material storage piles, and all material handling operations specified in the permit application has been implemented and is maintained.
23. Applicant shall not operate the asphalt plant unless the odor control system is installed and operating properly. Trucks shall not exit the enclosure until all of the visible asphalt fumes have been evacuated from the enclosure.
24. The nitrogen oxides emission rate from the drum mix asphalt plant shall not exceed 18.7 pounds per hour nor 82 tons per year.
25. Rules 1001, 1003 and 1004 - Verification of nitrogen oxides emission rates from the drum mix asphalt plant by testing, at owner's expense, in accordance with Commission requirements, may be required for operating approval. Verification of emission rates includes the submittal of a complete report of the test results. If a test is required, stack testing procedures and the location of stack testing ports must have prior approval by the District Supervisor, Air Quality Division, and results shall be submitted within 120 days of the written requirement for such verification.
26. The total polynuclear aromatic hydrocarbon (PAH) emission from the drum mix asphalt plant shall not exceed 0.16 milligrams per dry standard cubic meter. The total PAH emission is defined as the sum of the individual components identified in Special Condition No. 27.
27. Rules 1001, 1003 and 1004 - Verification of Acenaphthene, Acenaphthylene, Anthanthrene, Anthracene, Benz(a)anthracene, Benzo(a)fluorene, Benzo(b)fluorene, Benzo(c)fluorene, Benzo(a)pyrene, Benzo(e)pyrene,

Benzo(ghi)perylene, Benzo(b)fluoranthene, Benzo(j)fluoranthene,
Benzo(k)fluoranthene, Chrysene, Coronene, Dibenzo(ah)anthracene,
Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Perylene, Phenanthrene,
Picene, Pyrene and Triphenylene emission rates from the drum mix asphalt
plant by testing, at owner's expense, in accordance with Commission
requirements, may be required for operating approval. Verification of
emission rates includes the submittal of a complete report of the test
results. If a test is required, stack testing procedures and the location
of stack testing ports must have prior approval by the District Supervisor,
Air Quality Division, and results shall be submitted within 120 days of the
written requirement for such verification.

28. The sulfur dioxide emission rate from the drum mix asphalt plant shall not exceed 0.056 pounds per million BTUs heat input, based upon a 24-hour period. This is equivalent to using oil with a 0.05% sulfur content and a heat value of 18,000 BTUs per pound.
29. There shall be no visible emissions from the storage silos nor the truck loading operation.
30. Applicant shall not use as a raw material any asbestos tailings or asbestos containing waste materials, as defined by the National Emission Standards for Hazardous Air Pollutants [40 CFR 61.143] regulations, in the drum mix asphalt plant.

WM:cmb