

SUPPLEMENT to PERMIT No. 151-97

Northern Concrete Pipe, Inc.
Charlotte, Michigan

May 12, 1997

GENERAL CONDITIONS

1. Rule 201(1)—The process or process equipment covered by this permit shall not be reconstructed, relocated, altered, or modified, unless a Permit to Install authorizing such action is issued by the Department, except to the extent such action is exempt from the Permit to Install requirements by any applicable rule.
2. Rule 201(4)—If the installation, reconstruction, relocation, or alteration of the equipment for which this permit has been approved has not commenced within 18 months, or has been interrupted for 18 months, this permit shall become void unless otherwise authorized by the Department. Furthermore, the person to whom this permit was issued, or the designated authorized agent, shall notify the Department via the Supervisor, Permit Section, Air Quality Division, Michigan Department of Environmental Quality, P.O. Box 30260, Lansing, Michigan 48909-7760, if it is decided not to pursue the installation, reconstruction, relocation, or alteration of the equipment allowed by this Permit to Install.
3. Rule 201(6)(a)—If this Permit to Install is issued for a process or process equipment located at a stationary source which is subject to a Renewable Operating Permit pursuant to Rule 210, trial operation is allowed if the equipment performs in accordance with the terms and conditions of this Permit to Install and until the appropriate terms and conditions of this Permit to Install have been incorporated into the Renewable Operating Permit as a modification pursuant to Rule 216 or upon renewal pursuant to Rule 217. Upon incorporation of the appropriate terms and conditions into the Renewable Operating Permit, this Permit to Install shall become void.
4. Rules 201(6)(b)(i) or 216(1)(a)(v)(A)—Except as provided in General Condition No. 3, operation of the process or process equipment is allowed if, not more than 30 days after completion of the installation, construction, reconstruction, relocation, alteration, or modification authorized by this Permit to Install, the person to whom this Permit to Install was issued, or the authorized agent pursuant to Rule 204, notifies the District Supervisor, Air Quality Division, in writing, of the completion of the activity. Completion of the installation, construction, reconstruction, relocation, alteration, or modification is considered to occur not later than commencement of trial operation of the process or process equipment.
5. Rule 201(6)(b)(ii)—Except as provided in General Condition No. 3, not more than 18 months after completion of the installation, construction, reconstruction, relocation, alteration, or modification authorized by this Permit to Install, the person to whom this permit was issued, or the authorized agent pursuant to Rule 204, shall notify the District Supervisor, Air Quality Division, in writing, of the status of compliance of the process or

process equipment with the terms and conditions of the Permit to Install. The notification shall include all of the following:

- A) The results of all testing, monitoring, and record keeping performed to determine the actual emissions from the process or process equipment and to demonstrate compliance with the terms and conditions of the Permit to Install.
 - B) A schedule of compliance for the process or process equipment as described in Rule 119(a).
 - C) A statement, signed by the person owning or operating the process or process equipment, that, based on information and belief formed after reasonable inquiry, the statements and information in the notification are true, accurate, and complete.
6. Rule 201(7) and Section 5510 of Act 451, P.A. 1994—The Department may, after notice and opportunity for a hearing, revoke this Permit to Install if evidence indicates the process or process equipment is not performing in accordance with the terms and conditions of this permit or is violating the Department's rules or the Clean Air Act.
 7. The terms and conditions of this Permit to Install shall apply to any person or legal entity that now or hereafter owns or operates the process or process equipment at the location authorized by this Permit to Install. If the new owner or operator submits a written request to the Department pursuant to Rule 219 and the Department approves the request, this permit will be amended to reflect the change of ownership or operational control. The request must include all of the information required in Rule 219(1)(a), (b) and (c). The written request shall be sent to the District Supervisor, Air Quality Division, Michigan Department of Environmental Quality.
 8. 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 economic value, or property, or which causes unreasonable interference with the comfortable enjoyment of life and property.
 9. Rule 912—The owner or operator of a source, process, or process equipment shall provide notice of an abnormal condition, start-up, shutdown, or malfunction that results in emissions of a hazardous or toxic air pollutant in excess of standards for more than one hour, or of any air contaminant in excess of standards for more than two hours, as required in this rule, to the District Supervisor, Air Quality Division. The notice shall be provided not later than two business days after start-up, shutdown, or discovery of the abnormal

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condition or malfunction. Written reports, if required, must be filed with the District Supervisor within 10 days, with the information required in this rule.

10. Approval of this permit does not exempt the person to whom this permit was issued from complying with any future regulations which may be promulgated under Part 55 of Act 451, P.A. 1994.
11. Approval of this permit does not obviate the necessity of obtaining such permits or approvals from other units of government as required by law.
12. Operation of this equipment may be subject to other requirements of Part 55 of Act 451, P.A. 1994, and the rules promulgated thereunder.

SPECIAL CONDITIONS

13. Rule 331—The total particulate emission from the cement storage silo and the fly ash silo portions of the fixed batch concrete plant shall not exceed 0.1 pound per 1,000 pounds of exhaust gases calculated on a dry gas basis, 0.5 pounds per hour, nor 2.0 tons per calendar year.
14. Visible emissions from any portion of the fixed concrete batch plant shall not exceed a six-minute average of 10% opacity.
15. Rules 1001, 1003, and 1004—Verification of particulate emission rates from either the cement storage silo, or the fly ash silo, or both portions of the fixed batch concrete plant by testing, at owner's expense, in accordance with Department 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.
16. The applicant shall produce a maximum of 200,000 cubic yards of concrete per year based upon a twelve-month rolling time period in the fixed concrete batch plant. Daily and monthly records of the amount of concrete produced and monthly calculations determining a twelve-month rolling time period production value shall be kept on file for a period of at least two years and made available to the Air Quality Division upon request.
17. Applicant shall not operate the either the cement storage silo, or the fly ash silo, or both portions of the fixed concrete batch plant unless their respective baghouse dust collector(s) is/are installed and operating properly.
18. The disposal of collected air contaminants shall be performed in a manner which minimizes the introduction of air contaminants to the outer air.
19. The exhaust gases from the cement storage silo portion of the fixed concrete batch plant shall be discharged unobstructed to the ambient air from an exit point not less than 24 feet above ground level.
20. The exhaust gases from the fly ash silo portion of the fixed concrete batch plant shall be discharged unobstructed to the ambient air from an exit point not less than 20 feet above ground level.
21. Applicant shall not operate the fixed concrete batch plant unless the program for continuous fugitive emissions control for all plant roadways, the plant yard, all material

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storage piles, and all material handling operations specified in Appendix A has been implemented and is maintained.

22. Applicant shall not use as 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 fixed concrete batch plant.

APPENDIX A
Fugitive Dust Control Plan

1. Site Roadways / Plant Yard
 - A) The dust on the unpaved roadways will be controlled by applications of the approved dust suppressant (water or 32% calcium chloride at an application rate of 50 ft²/gal) or other acceptable and approved fugitive dust control compounds. Application will be on a monthly basis or more frequently if needed.
 - B) All paved roads and driveways shall be swept as needed and as allowed by seasonal weather conditions.
 - C) A record of all applications and sweeping shall be kept on file and made available upon request to the Air Quality Division (AQD).
 - D) Speed of vehicles will be posted and limited to 10 mph.
 - E) Any material spillage on roads shall be removed immediately.
2. Storage Piles
 - A) Stockpiling of all aggregate will be performed with wheeled loaders and mechanical stackers to minimize drop distance and control potential dust problems.
 - B) Stockpiles will be watered on a as needed basis in order to meet the opacity limits included within the permit. A record of all watering shall be kept on file and be made available upon request to the AQD.
3. Truck Traffic
 - A) Truck traffic will be routed around unpaved roads until the road surface is fully saturated.
4. AQD/MDEQ Inspection—The provisions and procedures of this plan are subject to adjustment if following an inspection and written notification the AQD finds the fugitive dust requirements and/or the permitted opacity limits are not being met.