

SUPPLEMENT TO PERMIT NO. 430-97

CNI Companies, Inc. DBA Michigan-Wisconsin Concrete Production  
Menominee, Michigan

October 24, 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, 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(7)(a) 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(7)(b) - 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 recordkeeping 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(8) 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 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 particulate emission from the batcher portion of the fixed concrete batch plant controlled by a dust collector (Model BFV 15) shall not exceed 0.10 pound per 1,000 pounds of exhaust gases, calculated on a dry gas basis, 0.03 pounds per hour, nor 0.02 tons per calendar year.
14. Rule 331 - The particulate emission from the cement silo, fly ash silo, and weight batcher/scalar portions of the fixed concrete batch plant controlled by two dust collector (Model SFV 270) shall not exceed 0.10 pound per 1,000 pounds of exhaust gases, calculated on a dry gas basis, 0.3 pounds per hour, nor 0.2 tons per calendar year.
15. Rule 331 - The particulate emission from the truck loading portion of the fixed concrete batch plant controlled by a central dust collector (Model MS 1000) shall not exceed 0.10 pound per 1,000 pounds of exhaust gases, calculated on a dry gas basis, 2.3 pounds per hour, nor 1.3 tons per calendar year.
16. Visible emissions from the any portion of the fixed concrete batch plant shall not exceed a 6-minute average of 10% opacity.
17. Rules 1001, 1003, and 1004 - Verification of particulate emission rates from any or all of the cement/fly ash silos, dry material weight batchers/scalar, and/or truck loading portions of the fixed concrete batch plant by testing, at owner's expense, in accordance with Department requirements, may be required. The testing shall be conducted within 60 days following the receipt of the written notification of the requirement. Verification of emission rates includes the submittal of a complete report of the test results. If testing is required, a complete test plan must be submitted to the Air Quality Division. The final plan must be approved by the Division prior to testing and a complete report of test results must be submitted to the Division within 60 days following the last date of testing.
18. The applicant shall produce a maximum of 20,000 cubic yards of concrete per year, based upon a 12-month rolling average, in the fixed concrete batch plant. Daily and monthly records of the amount of concrete produced and monthly calculations determining a 12-month rolling average 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.
19. Applicant shall not operate cement silo, fly ash silo, dry material batcher/scalar, and truck loading portions of the fixed concrete batch plant unless their respective baghouse dust collector is installed and operating properly.
20. The disposal of collected shall be performed in a manner which minimizes the introduction of air contaminants to the outer air.

21. The exhaust gases from the four dust collectors shall be discharge unobstructed vertically upwards to the ambient air from four opening, each at an exit point not less than as mentioned below above ground level:

Dust Collector's Model No.	Associated With	Size of the Opening (Inch)	Height Above the Ground Level (Feet)
Central MS 1000	Truck Loading	16 x 24	21
Model SFV 270	Fly Ash Silo	6 x 8	53
(Two Unit)	Cement Silo	6 x 8	62
Model BFV 15	Batcher	6 x 8	26

22. 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 storage piles, and all material handling operations specified in Appendix A has been implemented and is maintained.
23. 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 61.141] regulations, in the fixed concrete batch plant.
24. Applicant shall not operate the fixed concrete batch plant for more than 1144 hours per year. A written log of the hours of operation shall be kept on file for a period of at least two years and made available to the Air Quality Division upon request.

APPENDIX A  
Fugitive Dust Control Plan

I. Site Roadways / Plant Yard

- A. The dust on the site roadways/plant yard will be controlled by applications of water, calcium chloride or other acceptable and approved fugitive dust control compounds. Application will be on a semi-monthly basis or more frequently if needed.
- B. A record of all applications and sweeping shall be kept on file and made available upon request to the Air Quality Division (AQD).
- C. Speed of vehicles will be posted and limited to 10 mph.
- D. Any material spillage on roads shall be removed immediately.

II. Plant

- A. A spray system will be utilized at strategic locations to reduce and control fugitive emissions as needed in those locations not included in special permit conditions.
- B. All transfer points will have minimal drop distances. The transfer point from the recirculating belt to the feed belt consists of an enclosed chute.

III. 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.
- C. Moisture content will be maintained at 4 percent to control fugitive dust.

IV. Truck Traffic

- A. On-site, vehicles shall be loaded to prevent their contents from dropping, leaking, blowing or otherwise escaping. This shall be accomplished by loading so that no part of the load shall come in contact within six inches of the top of any side board, side panel or tail gate, otherwise, the truck shall be tarped.
- B. Off-site, all trucks leaving must be tarped.

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- V. 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.

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