

SUPPLEMENT TO PERMIT NO. 380-98

Osborne Concrete

Romulus, Michigan

March 3, 2000

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 that is subject to the Renewable Operating Permit program requirements pursuant to R 336.1210, trial operation is allowed by this permit 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. 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) - If this Permit to Install is issued for a process or process equipment located at a stationary source that is not subject to the Renewable Operating Permit program requirements pursuant to R 336.1210, operation of the process or process equipment is allowed by this permit if the equipment performs in accordance with the terms and condition of this Permit to Install.
5. 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 Departments' rules or the Clean Air Act.
6. Rule 219 - 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 R 336.1219 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 by subrules (1)(a), (b) and (c) of R 336.1219. The written request shall be sent to the District Supervisor, Air Quality Division, Michigan Department of Environmental Quality.
7. 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.
8. 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.

9. Approval of this permit does not exempt the person to whom this permit was issued from complying with any future applicable requirements which may be promulgated under Part 55 of Act 451, P.A. 1994 or the Clean Air Act.
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. Operation of this equipment may be subject to other requirements of Part 55 of Act 451, P.A. 1994, and the rules promulgated thereunder.
12. Rule 301 - Except as provided in subrules (2) and (3) or unless the special conditions of this Permit to Install include an alternate opacity limit established pursuant to subrule (4) of R 336.1301, a person shall not cause or permit to be discharged into the outer air from a process or process equipment a visible emission of density greater than the most stringent of the following. The grading of visible emissions shall be determined in accordance with R 336.1303.
 - a) A 6-minute average of 20% opacity, except for one 6-minute average per hour of not more than 27% opacity.
 - b) A visible emission limit specified by an applicable federal new source performance standard.
 - c) A visible emission limit specified as a special condition of this permit to install.
13. Rule 370 - Collected air contaminants shall be removed as necessary to maintain the equipment at the required operating efficiency. The collection and disposal of air contaminants shall be performed in a manner so as to minimize the introduction of contaminants to the outer air. Transport of collected air contaminants in Priority I and II areas requires the use of material handling methods specified in R 336.1370(2).
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.
15. The Department may require the applicant to conduct acceptable performance tests, at the applicant's expense, in accordance with R 336.2001 and R 336.2003, under any of the conditions listed in R 336.2001.

SPECIAL CONDITIONS

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11 special conditions

1. For purposes of this permit to install, all requirements for notifications or submittal of records to or approvals by the District Supervisor, Air Quality Division should be submitted to the Director of Compliance and Enforcement, Air Quality Management Division, Wayne County, Department of Environment unless you are otherwise notified in writing by the Air Quality Division. At no time shall notifications or submittals to or approvals by both agencies be required pursuant to this permit.
2. The particulate emission rate from the cement weigh hopper and truck loading area shall not exceed 0.10 pound per 1000 pounds of gases, calculated on a dry gas basis, 2.9 pounds per hour, nor 12.8 tons per year, based on a 12-month rolling time period as determined at the end of each calendar month. This condition is necessary to assure compliance with the emission limits for particulate matter which have been established pursuant to Rule 331 and Rule 205.
3. Applicant shall not produce more than 300,000 cubic yards of concrete per 12-month rolling time period as determined at the end of each calendar month. A written log of the amount of concrete produced shall be kept on file for a period of at least five years and shall be made available to the Department upon request. This condition is necessary to assure compliance with the requirements of Rules 205.
4. Applicant shall not operate the concrete batch plant unless the baghouse is installed and operating properly. This condition is necessary to assure compliance with the emission limits for particulate matter which have been established pursuant to Rules 205 and 331.
5. The exhaust gases from the baghouse of the mix truck loading area of the concrete batch plant shall be discharged to the ambient air from an outlet with maximum dimensions of 15.8 in X 20.9 at an exit point not less than 40 feet above ground level. This condition is necessary to assure compliance with the requirements of Rule 901.
6. Applicant shall not operate the concrete batch plant unless a gauge which measures the pressure drop across the baghouse is operating properly and read daily. This condition is necessary to assure compliance with Rules 205 and 331.
7. Visible emissions from each of the material storage piles, all wheeled loaders and all truck traffic associated with the concrete batch plant shall not exceed a 6 minute average of 5% opacity. This condition is necessary to assure compliance with the requirements of Rules 301, 901, and Section 5524 of Act 451.
8. Applicant shall not operate the concrete batch plant unless the program for continuous fugitive emissions control for all plant roadways, the plant yard, all material storage bins, and all material handling operations specified in Appendix A has been implemented and is maintained. This condition is necessary to assure compliance with the requirements of Rules 205, 901, and Section 5524 of Act 451.
9. Applicant shall not operate the concrete batch plant unless the sand and aggregate are stored below grade, or stored in above ground, three-sided bins. Also, conveyor covers must be installed, fastened securely, and in good repair for the plant to operate. This

condition is necessary to assure compliance with the requirements of Rules 205, 901, and Section 5524 of Act 451.

10. Applicant shall not use as a raw material any asbestos tailing or asbestos containing waste materials in the concrete batch plant pursuant to the National Emission Standards for Hazardous Air Pollutants, 40 CFR, Part 61, Subpart M.
11. The applicant shall label all equipment associated with the concrete batch plant within 45 days of issuance of this permit in a manner acceptable to the District Supervisor. The applicant shall notify the District Supervisor in writing when the labeling is completed. This condition is necessary to assure compliance with the requirements of Rule 201.

APPENDIX A
Fugitive Dust Control Plan
Osborne Concrete, Permit No: 380-98

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. All roadways / plant yard shall be swept as needed between applications.
- C. A record of all applications and sweeping shall be kept on file and made available upon request to the Division .
- D. Speed of vehicles will be posted and limited to 10 mph.
- E. 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 re-circulating 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. Maintain a minimum moisture of 5 percent at a depth of 6 inches from the surface of the pile and at a height 4 feet of the ground.

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.

- 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.