

SUPPLEMENT to PERMIT No. 347-99
Bigos Precast
Fowlerville, Michigan
November 12, 1999

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 conditions 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 the 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 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
November 12, 1999
(10 Special Conditions)

1. The applicant shall produce a maximum of 150,000 cubic yards of concrete per year in the fixed concrete batch plant. Daily and monthly records of the amount of concrete produced shall be kept on file for a period of at least two years and made available to the Air Quality Division upon request. This condition is necessary to assure compliance with Rule 205.
2. The particulate emission rate from the cement weigh batcher and the truck cement charge portions of the fixed concrete batch plant shall not exceed 0.1 pound per 1,000 pounds of exhaust gases, calculated on a dry gas basis, 3.6 pounds per hour, nor 15.8 tons per calendar year. This condition is necessary to assure compliance with Rules 205 and 331.
3. Visible emissions from any portion of the fixed concrete batch plant shall not exceed a 6-minute average of 10% opacity. This condition is necessary to assure compliance with Rules 205, 301, and 901.
4. Visible emissions from truck traffic and/or loader traffic shall not exceed 5% opacity. This condition is necessary to assure compliance with Rules 205, 301 and 901.
5. Visible emissions from each of the material storage piles shall not exceed 5% opacity. This condition is necessary to assure compliance with Rules 205, 301 and 901.
6. The applicant shall not operate the cement weigh batcher or the truck cement charge portions of the concrete batch plant unless their respective baghouse dust collector is installed and operating properly. This condition is necessary to assure compliance with Rules 205 and 901.
7. The applicant shall maintain the sand and gravel weigh hopper, the cement weigh hopper/batcher and truck loading portions of the fixed concrete batch plant within an enclosure. Alternatively the applicant may equip and maintain the truck loading portion of the fixed concrete batch plant with a drop chute or a pant leg. This condition is necessary to assure compliance with Rules 205 and 901.
8. The exhaust gases from each of the baghouse dust collectors associated with the fixed concrete batch plant shall be discharged unobstructed vertically upwards to the ambient air from a vent at an exit point not less than 25 feet above ground level. This condition is necessary to assure compliance with Rule 901.
9. The applicant shall not operate the fixed concrete batch plant unless the program for continuous fugitive emissions 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. This condition is necessary to assure compliance with Rules 205, 371 and 901.

10. The 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 fixed concrete batch plant.

APPENDIX A Fugitive Dust Control Plan

I. Site Roadways / Plant Yard

- A. The dust on the site roadways/plant yard shall be controlled by applications of water, calcium chloride or other acceptable and approved fugitive dust control compounds. Applications of dust suppressants shall be done as often as necessary to meet all applicable emission limits.
- B. All paved roadways/plant yards shall be swept as needed between applications.
- C. Any material spillage on roads shall be cleaned up immediately.

II. Plant

- A. The drop distance at each transfer point shall be reduced to the minimum the equipment can achieve. The transfer point from the re-circulating belt to the feed belt shall be equipped with an enclosed chute.

III. Storage Piles

- A. Stockpiling of all nonmetallic minerals shall be performed to minimize drop distance and control potential dust problems.
- B. Stockpiles shall be watered on an as needed basis in order to meet the opacity limit of 5 percent. Also, equipment to apply water or dust suppressant shall be available at the site or on call for use at the site within a given operating day. A record of all watering shall be kept on file and be made available to the AQD upon request.

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 6 inches of the top of any side board, side panel or tail gate, otherwise, the truck shall be tarped.

V. AQD/MDEQ Inspection

- A. 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 permitted emission limits are not being met.