

SUPPLEMENT TO PERMIT NO. 66-98

HALLIDAY SAND AND GRAVEL, INC.
Higgins Township, Roscommon, Michigan

August 27, 1998

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.

SPECIAL CONDITIONS

15. Visible emissions from the feed hopper, each conveyor, each stacker, each of the two triple deck screens, and all transfer point portions of the portable sand and gravel crushing plant, hereinafter "plant", shall not exceed 10% opacity except as specified in the Federal Standards of Performance for New Stationary Sources, 40 CFR, Part 60, Subparts A and OOO.
16. Visible emissions from the cone crusher, the impact crusher, and the roll crusher portions of the plant shall not exceed 15% opacity except as specified in the Federal Standards of Performance for New Stationary Sources, 40 CFR, Part 60, Subparts A and OOO.
17. Visible emissions from each of the material storage piles produced and maintained in conjunction with the plant shall not exceed a 6 minute average of 5% opacity.
18. Visible emissions from all wheel loaders and all truck traffic operated in conjunction with the plant shall not exceed a 6 minute average of 5% opacity.
19. On or before November 6, 1998, Federal Standards of Performance for New Stationary Sources require evaluation of visible emissions from the plant, at owner's expense, in accordance with 40 CFR, Part 60, Subparts A and OOO. Visible emission observation procedures must have prior approval by the District Supervisor, Air Quality Division.
20. A written notification of the actual date of initial startup of the plant is required to comply with the Federal Standards of Performance for New Stationary Sources, as specified in 40 CFR, Part 60, Subpart A. This notification shall be submitted to the Air Quality Division within 15 days after issuance of this permit.
21. Applicant shall process a maximum of 400 tons per hour and 500,000 tons per year of sand and gravel through the plant at any single location, and shall not process more than a maximum combined total of 800,000 tons per year of sand and gravel through put at all locations of the plant. Hourly and yearly records of the amount of sand and gravel processed and the site at which it was processed shall be kept on file for a period of at least two years and made available to the Air Quality Division upon request.
22. Applicant shall equip and maintain the cone crusher, the impact crusher, and the roll crusher and each of the two triple deck screens with water sprays. All water sprays shall be installed and operating whenever the plant is in operation.
23. Applicant shall not operate the 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.

24. Applicant shall label all equipment associated with the portable sand and gravel crushing plant within 45 days of issuance of this permit according to the permit number, the state registration number (SRN), and the company ID numbers shown on the equipment list in Appendix B in a manner acceptable to the District Supervisor. Applicant shall notify the District Supervisor in writing when the labeling is complete.
25. Applicant shall not crush 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 plant.
26. The applicant shall not operate the plant covered by this permit simultaneously with any other portable or fixed material crushing plants.
27. The applicant may disregard the yearly per site production limit contained in Special Condition No. 21 and the operational restrictions contained in Special Condition No. 26, if the plant is operated at a location which is covered by a site specific air use permit. At such a location, the yearly material processed shall be in conjunction with the production limit contained in the permit for that location. All other conditions and restrictions of this permit, No. 66-98, shall apply when operating at such a location.
28. Applicant shall not relocate the plant to any new geographical site in Michigan unless all the following criteria are met:
 - A. The plant shall not have any outstanding unresolved violations of any of the Michigan Department of Environmental Quality Air Pollution Control rules, order, or permits; or Federal air quality regulations.
 - B. The installation of the plant at the geographical site shall be of a temporary nature lasting not more than 12 consecutive months.
 - C. A notice of intent to relocate along with a proposed site plan shall be provided to the district office not less than 21 days prior to the scheduled relocation identifying the proposed new geographical site and the probable duration at the new site. All residential or commercial establishments and places of public assembly within 1,000 feet of the proposed plant's site shall be clearly identified on the proposed site plan.
 - D. The asphalt production plant shall not be located within 800 feet to a residential or commercial establishment or a place of public assembly unless prior written site approval is obtained from the Air Quality Division district office.
 - E. The plant or the concrete crusher shall not be located within 500 feet to a residential or commercial establishment or a place of public assembly unless prior written site approval is obtained from the Air Quality Division district office.

- F. A copy of this approved permit and permit conditions shall be clearly posted in the operator's office or work station and the permit number shall be posted on the equipment where it is clearly visible from the operator's office or work station.

- G. The Department's Delegation of Authority does not authorize us to approve any site where there is a known unresolved objection. Therefore, requests for site approval where there are known unresolved objections will continue to be handled by the Office of the Director of the Michigan Department of Environmental Quality.

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 twice daily 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 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. 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.