

SUPPLEMENT to PERMIT No. 216-00  
Fastener Coatings, Inc.  
Three Rivers, Michigan  
November 28, 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 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 Department's 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 six-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 28, 2000

The following table constitutes the equipment covered by this permit for Fastener Coatings, Inc.

Flexible Group ID	Emission Unit ID	Associated Equipment
FGBG1	EUBOOTH1	Shaker (to situate screws onto a rack), spray booth and infrared oven.
	EUBOOTH2	Shaker (to situate screws onto a rack), spray booth and infrared oven.
	EUBOOTH3	Shaker (to situate screws onto a rack), spray booth and infrared oven.
	EUBOOTH4	Shaker (to situate screws onto a rack), spray booth and infrared oven.
	EUBOOTH5	Shaker (to situate screws onto a rack), spray booth and infrared oven.
	EUBOOTH6	Shaker (to situate screws onto a rack), spray booth and infrared oven.
	EUBOOTH7	Shaker (to situate screws onto a rack), spray booth and infrared oven.
	EUBOOTH8	Shaker (to situate screws onto a rack), spray booth and infrared oven.
	EUBOOTH9	Shaker (to situate screws onto a rack), spray booth and infrared oven.
	EUBOOTH10	Shaker (to situate screws onto a rack), spray booth and infrared oven.

1. This Permit to Install shall become effective on the date which all exhaust stacks listed in Special Condition No. 6 achieve compliance with the stack height requirements of Special Condition No. 6.

On and after January 28, 2001 the exhaust gases from FGBG1 shall be discharged unobstructed vertically upwards to the ambient air from ten (10) stacks with a maximum diameter of 18 inches at an exit point not less than 30 feet above ground level. **(R 336.1205, R 336.1225, and R 336.1901)**

2. The total controlled volatile organic compound (VOC) emission rate from FGBG1 shall not exceed 672.0 pounds per calendar day nor 29.0 tons per year, based upon a 12-month rolling time period as determined at the end of each calendar month. **(R 336.1205, R 336.1225, and R 336.1702(d))**
3. The total controlled volatile organic compound (VOC) emission rate from each emission unit shall not exceed 1,500 pounds per calendar month nor 9.0 tons per year, based upon a 12-month rolling time period as determined at the end of each calendar month. **(R 336.1205 and R 336.1702(d))**

4. The applicant shall keep a separate record for each calendar month of the following for FGBG1:
  - a) For each coating, reducer, cleanup, and purge solvent, used:
    1. The coating, reducer, cleanup, and purge solvent identification;
    2. The VOC content in pounds per gallon and the total number of gallons used per day;
  - b) The amount, in gallons, of cleanup or purge solvents used and/or reclaimed.
  - c) VOC emission calculations in pounds per day for FGBG1.
  - d) VOC emission calculations determining a calendar month emission rate in pounds per month and a 12-month rolling time period emission rate in tons per year for each emission unit and for FGBG1.

All records shall be kept on file for a period of at least five years and made available to the Air Quality Division upon request. **(R 336.1205, R 336.1225, and R 336.1702(d))**

5. The applicant shall not operate the spray booth portion of the emission units unless the respective exhaust filters are installed and operating properly. **(R 336.1301, R 336.1331, R 336.1901 and R 336.1910)**
6. The exhaust gases from FGBG1 shall be discharged unobstructed vertically upwards to the ambient air from ten (10) stacks with a maximum diameter of 18 inches at an exit point not less than 30 feet above ground level. **(R 336.1225 and R 336.1901)**
7. The VOC content, density and solids weight, and volume fractions of any coating (as applied) used in FGBG1 shall be determined using federal Reference Test Method 24 or other EPA approved reference method. Upon prior approval of the District Supervisor, Air Quality Division, the parameters of any coating, as applied may alternatively be determined from the coating formulation data, which includes batch composition from the coating manufacturer and the amount of reducing agent or other compounds added to the coating. **(R 336.1225 and R 336.1702(d))**
8. The applicant shall maintain a current listing of the chemical composition of each coating, including the weight percentage of each compound. **(R 336.1225)**
9. The disposal of waste coatings, solvents, and exhaust filters shall be performed in a manner which minimizes the introduction of air contaminants to the outer air. **(R 336.1225, R 336.1702(a), and R 336.1901)**