

SUPPLEMENT to PERMIT No. 273-00

United Paint and Chemical Corporation  
Southfield, Michigan

April 4, 2001

GENERAL CONDITIONS

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. [R 336.1201(1)]
2. 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, PO 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. [R 336.1201(4)]
3. 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. [R 336.1201(6)(b)]
4. 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. [R 336.1201(8), Section 5510 of Act 451, PA 1994]
5. 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. [R 336.1219]
6. 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. [R 336.1901]
7. 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 no 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 ten days, with the information required in this rule. [R 336.1912]
8. 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, PA 1994 of the Federal Clean Air Act.
  9. Approval of this permit does not obviate the necessity of obtaining such permits or approvals from other units of government as required by law.
  10. Operation of this equipment may be subject to other requirements of Part 55 of Act 451, PA 1994, and the rules promulgated thereunder.
  11. 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. [R 336.1301]
    - a) A six-minute average of 20 percent opacity, except for one six-minute average per hour of not more than 27 percent 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.
  12. 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). [R 336.1370]
  13. 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. [R 336.1201(1)]
  14. 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. [R 336.2001]

SPECIAL CONDITIONS  
April 4, 2001

This permit covers the stationary source, which includes the following emission units:

Emission Unit ID	Equipment
EUPAINTPROD	Coating manufacturing in portable and fixed mixing tanks and associated equipment including mills, dispersers, grinders and quality control activities.
EUCLEANING	Container cleaning.
EUEXEMPT	Exempt equipment.

1. The volatile organic compound (VOC) emission rate from the stationary source shall not exceed 40 tons per year based upon a 12-month rolling time period as determined at the end of each calendar month. (R336.1205(3), R336.1702(a))
2. The VOC emission rate from EUPAINTPROD and EUCLEANING shall not exceed 15.6 pounds per hour. (R336.1225, R336.1901)
3. The VOC emission rate from EUPAINTPROD shall not exceed 27 tons per year based upon a 12-month rolling time period as determined at the end of each calendar month. (R336.1702(a))
4. The VOC emission rate from EUCLEANING shall not exceed 10.2 tons per year based upon a 12-month rolling time period as determined at the end of each calendar month. (R336.1702(a))
5. The hazardous air pollutant (HAP) emissions, as defined pursuant to Section 112(b) of the Clean Air Act, shall be less than 9 tons per year for any individual HAP and 22 tons per year for any combination of HAPs at this stationary source. The annual limit shall be based upon a 12-month rolling time period as determined at the end of each calendar month. (R336.1205(3))
6. The particulate emission rate from the stationary source shall not exceed 0.01 pound per 1,000 pounds of exhaust gases nor 0.9 pounds per hour. (R336.1205(3), R336.1225, R336.1331, R336.1901)
7. Visible emissions from the stationary source shall not exceed a 6-minute average of 5% opacity. (R336.1301).
8. As part of compliance with Rule 702 and in order to comply with Rule 630, applicant shall not operate EUPAINTPROD unless all provisions of Rule 630 are met. (R336.1630, R336.1702(a))
9. The applicant shall not charge solids to any equipment at the stationary source unless the associated baghouse is installed and operating properly in accordance with the operating manual maintained on site. (R336.1331)

10. Applicant shall limit the annual coating production rate in the EUPAINTPROD as specified below, based on a 12-month rolling time period as determined at the end of each calendar month. (R336.1702(a))

$$\sum_{12\text{-months}} \left( \sum_i U_i \times 0.034 \right) \leq 54,000 \text{ pounds}$$

$U_i$  = pounds of solvent  $i$  produced used during the calendar month.

11. Applicant shall keep detailed records as described below. These records shall be kept on file for a period of at least five years and made available to the Department upon request.

	Records	Requirements
Stationary source	<ul style="list-style-type: none"> <li>Monthly and 12-month rolling time period VOC, individual HAP, and total HAP emission rates.</li> <li>The methods used to calculate these rates.</li> </ul>	R336.1205(3)
EUPAINTPROD	<ul style="list-style-type: none"> <li>The VOC emission rate in pounds per hour.</li> <li>Monthly and 12-month rolling time period VOC emission rates.</li> <li>The volume of each product category produced on a monthly basis.</li> <li>The representative formulation of each product category, including VOC and HAP contents.</li> <li>The methods used to calculate these rates.</li> </ul>	R336.1225 R336.1702(a) R336.1901
EUCLEANING	<ul style="list-style-type: none"> <li>The VOC emission rate in pounds per hour.</li> <li>Monthly and 12-month rolling time period VOC emission rates.</li> <li>Monthly cleaning solvent usage rate.</li> <li>Monthly amount of cleaning solvent disposed of as hazardous waste.</li> <li>Composition of cleaning solvent.</li> <li>The methods used to calculate these rates.</li> </ul>	R336.1225 R336.1702(a) R336.1901

12. The applicant shall keep a written record of all equipment installations and modifications made to EUPAINTPROD and EUCLEANING. This record shall be kept on file for the life of the equipment and made available to the Department upon request. (R336.1201)

13. The exhaust gases from the EUPAINTPROD shall be discharged to the ambient air from stacks with maximum diameters and at minimum exit points above ground level as described below. (R336.1225, R336.1901)

Stack ID	Maximum Diameter (inches)	Minimum Height (feet)
SV00001	16	22.5
SV00002	14	22.5
SV00003	16	28
SV00004	20	22.5
SV00005	18	22
EV00001	36	21
EV00002	14	21
EV00003	14	21
EV00004	36	15.5
EV00005	10	14
EV00006	10	14
EV00007	10	14
EV00008	36	15.5
EV00009	36	22.5
EV00010	18	22
EV00011	36	22.5
EV00012	36	22.5
EV00013	18	15
EV00014	18	15
EV00015	18	15
EV00016	18	5
EV00017	36	15
EV00018	36	15
EV00019	36	15
EV00020	18	22