

SUPPLEMENT to PERMIT No. 190-00A
Marathon Ashland Petroleum LLC
Detroit, Michigan
December 7, 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 30 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 or 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
 December 7, 2001

This permit covers the emission unit and flexible group defined in the following tables.

Emission Unit Identification

| Emission Unit ID | Associated Equipment | Stack ID |
|-------------------------|--|-----------------|
| EU29-IGF1 | 1600 gallon per minute induced gas floatation unit consisting of a fixed-roof separator vessel and a fixed-roof decant vessel equipped with a conservation vent. | SV29-IGF1 |
| EU29-IGF2 | 1600 gallon per minute induced gas floatation unit consisting of a fixed-roof separator vessel and a fixed-roof decant vessel equipped with a conservation vent. | SV29-IGF2 |

Flexible Group Identification

| Flexible Group | Emission Units Comprising Flexible Group |
|-----------------------|---|
| FG29-IGF | EU29-IGF1, EU29-IGF2 |

FG29-IGF

Emission Limits

| | Pollutant | Equipment | Limit | Time Period | Compliance Method | Applicable Rules |
|-----|-----------------------------------|------------------|--------------|------------------------------|---|---|
| 1.1 | Volatile Organic Compounds (VOCs) | FG29-IGF | 5.3 tons | 12-month rolling time period | General Condition No. 14 Special Condition No. 1.9 | R 336.1702(a) R 336.1225(3)(a) |

Process Restrictions

1.2 The wastewater throughput for FG29-IGF shall not exceed 1,051,200,000 gallons per 12-month rolling time period as determined at the end of each calendar month. **[R 336.1225(3)(a), R 336.1702(a)]**

Equipment

- 1.3 Applicant shall ensure FG29-IGF meets all the applicable standards of the Federal National Emission Standards for Hazardous Air Pollutants, 40 CFR, Part 61, Subparts A and FF.
- 1.4 Applicant shall ensure FG29-IGF meets all the applicable standards of the Federal National Emission Standards for Hazardous Air Pollutants for Source Categories, 40 CFR, Part 63, Subparts A and CC at existing sources.
- 1.5 Applicant shall not operate EU29-IGF1 or EU29-IGF2 unless the fixed roofs and conservation vent for the emission unit are installed and operating properly. **[R 336.1225(3)(a), R 336.1702(a), R 336.1910]**
- 1.6 The pressure setting on decant vessel conservation vents in FG29-IGF shall be equal to or greater than 2.0 pounds per square inch gauge. The applicant shall monitor the pressure setting on each decant vessel conservation vent in a manner and with instrumentation acceptable to the Division. **[R 336.1225(3)(a), R 336.1702(a), R 336.1910]**
- 1.7 Applicant shall notify the Department if a change in land use occurs for property classified as industrial or as a public roadway, where this classification was relied upon to demonstrate compliance with R 336.1225 for FG29-IGF. The notification shall be submitted to the District Supervisor, Air Quality Division, within 30 days of the actual land use change. Within 60 days of the land use change, the applicant shall submit to the District Supervisor a plan for complying with the requirements of R 336.1225. The plan shall require compliance with R 336.1225 not later than 1 year after the due date of the plan submittal. **[R 336.1225(4)]**

Monitoring/Recordkeeping/Reporting/Notification

- 1.8 Applicant shall continuously monitor the wastewater throughput for FG29-IGF in a manner and with instrumentation acceptable to the Division. **[R 336.1225(3)(a), R 336.1702(a), R 336.1910]**
- 1.9 Applicant shall maintain the following written records for FG29-IGF:
 - 1) A record of monthly wastewater throughputs as determined at the end of each calendar month.
 - 2) A record of the monthly VOC emission rate including the 12-month rolling time period emission rate.
 - 3) A record demonstrating the calculations used to determine the VOC emission rate.
 - 4) Once every eight-hour shift, the applicant shall record the pressure setting for each decant vessel conservation vent.
 - 5) Once every eight-hour shift, the applicant shall record the position of each decant vessel conservation vent valve.

The above written records shall be maintained for a period of at least five years and shall be made available to the Division upon request. **[R 336.1225(3)(a), R 336.1702(a), R 336.1910]**

Stack/Vent Conditions

1.10 The exhaust gases from emission units listed in the following table shall be discharged unobstructed vertically upwards to the ambient air from stacks with maximum diameters and minimum exit points as listed in the following table. **[R 336.1225(3)(a), 40 CFR 52.21 (c) and d)]**

| Emission Unit | Emission Unit Stack or Vent | Stack Maximum Diameter | Stack Minimum Exit Point |
|---------------|-----------------------------|------------------------|--|
| EU29-IGF1 | SV29-IGF1 | 6 inches | Not less than 20 feet above ground level |
| EU29-IGF2 | SV29-IGF2 | 6 inches | Not less than 20 feet above ground level |