

**MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY  
AIR QUALITY DIVISION**

December 21, 2011

**PERMIT TO INSTALL**  
103-06A

**ISSUED TO**  
CITGO Petroleum Corporation

**LOCATED AT**  
2001 Morrill Road  
Jackson, Michigan

**IN THE COUNTY OF**  
Jackson

**STATE REGISTRATION NUMBER**  
B9041

The Air Quality Division has approved this Permit to Install, pursuant to the delegation of authority from the Michigan Department of Environmental Quality. This permit is hereby issued in accordance with and subject to Section 5505(1) of Article II, Chapter I, Part 55, Air Pollution Control, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended. Pursuant to Air Pollution Control Rule 336.1201(1), this permit constitutes the permittee's authority to install the identified emission unit(s) in accordance with all administrative rules of the Department and the attached conditions. Operation of the emission unit(s) identified in this Permit to Install is allowed pursuant to Rule 336.1201(6).

DATE OF RECEIPT OF ALL INFORMATION REQUIRED BY RULE 203:

**November 18, 2011**

DATE PERMIT TO INSTALL APPROVED:

**December 21, 2011**

SIGNATURE:

DATE PERMIT VOIDED:

SIGNATURE:

DATE PERMIT REVOKED:

SIGNATURE:

## PERMIT TO INSTALL

### Table of Contents

<b>Section</b>	<b>Page</b>
Alphabetical Listing of Common Abbreviations / Acronyms .....	2
General Conditions .....	3
Special Conditions .....	5
Emission Unit Summary Table.....	5
Special Conditions for EULOADRACK .....	6
Flexible Group Summary Table .....	11
Special Conditions for FGIFRTANKS .....	12
Special Conditions for FGFACILITY .....	15

**Common Abbreviations / Acronyms**

<b>Common Acronyms</b>		<b>Pollutant/Measurement Abbreviations</b>	
AQD	Air Quality Division	BTU	British Thermal Unit
ANSI	American National Standards Institute	°C	Degrees Celsius
BACT	Best Available Control Technology	CO	Carbon Monoxide
CAA	Clean Air Act	dscf	Dry standard cubic foot
CEM	Continuous Emission Monitoring	dscm	Dry standard cubic meter
CFR	Code of Federal Regulations	°F	Degrees Fahrenheit
COM	Continuous Opacity Monitoring	gr	Grains
EPA	Environmental Protection Agency	Hg	Mercury
EU	Emission Unit	hr	Hour
FG	Flexible Group	H <sub>2</sub> S	Hydrogen Sulfide
GACS	Gallon of Applied Coating Solids	hp	Horsepower
GC	General Condition	lb	Pound
HAP	Hazardous Air Pollutant	m	Meter
HVLP	High Volume Low Pressure *	mg	Milligram
ID	Identification	mm	Millimeter
LAER	Lowest Achievable Emission Rate	MM	Million
MACT	Maximum Achievable Control Technology	MW	Megawatts
MAERS	Michigan Air Emissions Reporting System	ng	Nanogram
MAP	Malfunction Abatement Plan	NO <sub>x</sub>	Oxides of Nitrogen
MDEQ	Michigan Department of Environmental Quality (Department)	PM	Particulate Matter
MIOSHA	Michigan Occupational Safety & Health Administration	PM10	PM less than or equal to 10 microns diameter
MSDS	Material Safety Data Sheet	PM2.5	PM less than or equal 2.5 microns diameter
NESHAP	National Emission Standard for Hazardous Air Pollutants	pph	Pound per hour
NSPS	New Source Performance Standards	ppm	Parts per million
NSR	New Source Review	ppmv	Parts per million by volume
PS	Performance Specification	ppmw	Parts per million by weight
PSD	Prevention of Significant Deterioration	psia	Pounds per square inch absolute
PTE	Permanent Total Enclosure	psig	Pounds per square inch gauge
PTI	Permit to Install	scf	Standard cubic feet
RACT	Reasonably Available Control Technology	sec	Seconds
ROP	Renewable Operating Permit	SO <sub>2</sub>	Sulfur Dioxide
SC	Special Condition	THC	Total Hydrocarbons
SCR	Selective Catalytic Reduction	tpy	Tons per year
SRN	State Registration Number	µg	Microgram
TAC	Toxic Air Contaminant	VOC	Volatile Organic Compounds
TEQ	Toxicity Equivalence Quotient	yr	Year
VE	Visible Emissions		

\* For High Volume Low Pressure (HVLP) applicators, the pressure measured at the HVLP gun air cap shall not exceed ten (10) pounds per square inch gauge (psig).

### GENERAL CONDITIONS

1. The process or process equipment covered by this permit shall not be reconstructed, relocated, 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, construction, reconstruction, relocation, or modification 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 permittee 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 48909-7760, if it is decided not to pursue the installation, construction, reconstruction, relocation, or modification 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 and 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 permittee shall provide notice of an abnormal condition, start-up, shutdown, or malfunction that results in emissions of a hazardous or toxic air pollutant which continue for more than one hour in excess of any applicable standard or limitation, or emissions of any air contaminant continuing for more than two hours in excess of an applicable standard or limitation, as required in Rule 912, to the Department. 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 Department within 10 days after the start-up or shutdown occurred, within 10 days after the abnormal conditions or malfunction has been corrected, or within 30 days of discovery of the abnormal condition or malfunction, whichever is first. The written reports shall include all of the information required in Rule 912(5). **(R 336.1912)**
8. Approval of this permit does not exempt the permittee from complying with any future applicable requirements which may be promulgated under Part 55 of 1994 PA 451, as amended 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 1994 PA 451, as amended 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, the permittee 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. The Department may require the permittee to conduct acceptable performance tests, at the permittee'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**

**EMISSION UNIT SUMMARY TABLE**

The descriptions provided below are for informational purposes and do not constitute enforceable conditions.

<b>Emission Unit ID</b>	<b>Emission Unit Description (Process Equipment &amp; Control Devices)</b>	<b>Flexible Group ID</b>
EULOADRACK	3 bay loading rack (8 gasoline loading arms and 5 diesel loading arms) controlled by a vapor recovery unit (VRU) – modified in 1982.	NA
EUTANK1	1,386,000 gallon internal floating roof storage tank – floating roof installed in 1972.	FGIFRTANKS
EUTANK2	1,012,200 gallon internal floating roof storage tank – floating roof installed in 2012	FGIFRTANKS
EUTANK3	1,331,400 gallon internal floating roof storage tank – floating roof installed in 1972.	FGIFRTANKS
EUTANK4	1,486,800 gallon vertical fixed roof storage tank – installed before August 15, 1972.	NA
EUTANK5	1,579,200 gallon internal floating roof storage tank – installed in 1972.	FGIFRTANKS
EUTANK6	2,310,000 gallon internal floating roof storage tank – installed in 1977.	FGIFRTANKS
EUTANK9	10,000 gallon above ground horizontal gasoline additive storage tank – installed in 1990.	NA
EUTANK10	8,000 gallon above ground horizontal gasoline additive storage tank – installed in 1990.	NA
EUTANK11	6,000 gallon above ground horizontal diesel additive storage tank.	NA
EUTANK12	8,000 gallon above ground horizontal diesel additive storage tank – installed in 1990.	NA
EUTANK13	30,000 gallon fixed roof ethanol storage tank – installed in 2005.	NA
EUTANK14	30,000 gallon fixed roof ethanol storage tank – installed in 2005.	NA
EUTANK20	10,000 gallon fixed roof petroleum contact water storage tank.	NA
EUOWS	10,000 gallon horizontal underground oil/water separator storage tank.	NA
EUKNOCKOUT	550 gallon horizontal underground VRU knockout storage tank.	NA
Changes to the equipment described in this table are subject to the requirements of R 336.1201, except as allowed by R 336.1278 to R 336.1290.		

**The following conditions apply to: EULOADRACK**

**DESCRIPTION:** 3 bay loading rack (8 gasoline loading arms and 5 diesel loading arms) controlled by a vapor recovery unit (VRU)

**Flexible Group ID:** NA

**POLLUTION CONTROL EQUIPMENT:** VRU

**I. EMISSION LIMITS**

Pollutant	Limit	Time Period / Operating Scenario	Equipment	Testing / Monitoring Method	Underlying Applicable Requirements
1.VOC	39.6 TPY	12-month rolling time period as determined at the end of each calendar month	EULOADRACK	SC V.1, SC VI.3, SC VI.4, SC VI.5, SC VI.6	R 336.1205(3)
2. VOC	35 mg/l of gasoline loaded	Test Method	EULOADRACK	GC 13, SC V.1	R336.1609, 40 CFR Part 60 Subpart XX

**II. MATERIAL LIMITS**

1. The EULOADRACK throughput shall not exceed the following: **(R 336.1205(3))**
  - a) 255,326,193 gallons per 12-month rolling time period, as determined at the end of each calendar month, of gasoline.
  - b) 1,451,000,000 gallons per 12-month rolling time period, as determined at the end of each calendar month, of diesel.
  - c) 100,000 gallons per month of diesel without the VRU operating.
  - d) 140,370,000 gallons per 12-month rolling time period, as determined at the end of each calendar month, of ethanol.
  - e) 74,000 gallons per month of ethanol without the VRU operating.

**III. PROCESS/OPERATIONAL RESTRICTIONS**

1. The permittee shall not load any delivery vessel with an organic compound having a true vapor pressure greater than 1.5 psia or any delivery vessel that carried, as its previous load, an organic compound having a true vapor pressure greater than 1.5 psia unless all provisions of Rule 609 are met. The provisions of Rule 609 include, but are not limited to, filling the delivery vessel by a submerged fill pipe, and the following, which apply if the loading facility is located in any area listed in Table 61-a of Part 6 of the Michigan air pollution control rules: **(R 336.1205(3), R 336.1609, R 336.1910)**
  - a) The delivery vessel shall be controlled by a vapor recovery system that captures all displaced organic vapor and air by means of a vaportight collection line. **(R 336.1609(2))**
  - b) The delivery vessel shall be equipped maintained, or controlled with the following: **(R 336.1609(3))**
    - i) An interlocking system or procedure to ensure that the vapor-tight collection line is connected before any organic compound can be loaded.

- ii) A device to ensure that the vapor-tight collection line shall close upon disconnection so as to prevent the release of organic vapor.
  - iii) A device to accomplish complete drainage before the loading device is disconnected, or a device to prevent liquid drainage from the loading device when not in use.
  - iv) Pressure-vacuum relief valves that are vapor-tight and set to prevent the emission of displaced organic vapor during the loading of the delivery vessel, except under emergency conditions.
  - v) Hatch openings that are kept closed and vapor-tight during the loading of the delivery vessel.
- c) The permittee shall develop written procedures for the operation of all control measures required by Rule 609 and shall post the procedures in an accessible, conspicuous location near the loading device. **(R 336.1609(4))**
2. The permittee shall not load any delivery vessel subject to control, as specified in SC 1.3, unless all applicable provisions of Rule 627 are met. The provisions of Rule 627 include, but are not limited to, the following: **(R 336.1205(3), R 336.1627, R 336.1910)**
- a) There shall be no gas detector reading greater than or equal to 100 percent of the lower explosive limit at a distance of one inch from the location of the potential leak in the vapor collection system. Leaks shall be detected by a combustible gas detector using the test procedure described in Rule 2005. **(R 336.1627(7))**
  - b) There shall be no visible leaks, except from the disconnection of bottom loading dry breaks and from raising top loading vapor heads, where a few drops are permitted. **(R 336.1627(8))**
  - c) The vapor collection system shall be designed and operated to prevent gauge pressure in the delivery vessel from exceeding 0.6 pounds per square inch and to prevent vacuum from exceeding -0.2 pounds per square inch gauge. **(R 336.1627(9))**
  - d) Any delivery vessel or component of a vapor collection system that fails to meet any provision of this rule shall not be operated until the necessary repairs have been made, the vessel or collection system has been retested, and the test results have been submitted to the department. **(R 336.1627(11))**
3. The permittee shall comply with all provisions of the Federal Standards of Performance for New Stationary Sources as specified in 40 CFR Part 60 Subparts A and Subpart XX, as they apply to EULOADRACK. The provisions of 40 CFR Part 60 Subpart XX include, but are not limited to, the following: **(R 336.1205(3), 40 CFR Part 60 Subparts A & XX)**
- a) EULOADRACK shall be equipped with a vapor collection system designed to collect the total organic compounds vapors displaced from tank trucks during product loading. **(40 CFR 60.502(a))**
  - b) Each vapor collection system shall be designed to prevent any total organic compounds vapors collected at one loading rack from passing to another loading rack. **(40 CFR 60.502(d))**
  - c) Loadings of liquid product into gasoline tank trucks shall be limited to vapor-tight gasoline tank trucks using the procedures found in 40 CFR 60.502(e). **(40 CFR 60.502(e))**
  - d) The permittee shall only load gasoline tank trucks equipped with vapor collection equipment that is compatible with the permittee's vapor collection system. **(40 CFR 60.502(f))**
  - e) The permittee shall assure that the vapor collection system is connected during each loading of a gasoline tank truck, including training drivers in the hookup procedures and posting visible reminder signs. **(40 CFR 60.502(g))**
  - f) The permittee shall design and operate the vapor collection and liquid loading equipment to prevent gauge pressure in the delivery tank from exceeding 4,500 pascals (450 mm of water) during product loading. This level is not to be exceeded when measured by the procedures specified in 40 CFR 60.503(d). **(40 CFR 60.502(h))**



- g) No pressure-vacuum vent in the vapor collection system shall begin to open at a system pressure less than 4,500 pascals (450 mm of water). **(40 CFR 60.502(i))**
4. No later than 60 days after issuance of this permit, the permittee shall submit to the AQD District Supervisor, for review and approval, a malfunction abatement/preventative maintenance plan for EULOADRACK. After approval of the malfunction abatement/preventative maintenance plan by the AQD District Supervisor, the permittee shall not operate EULOADRACK unless the malfunction abatement/preventative maintenance plan, or an alternate plan approved by the AQD District Supervisor, is implemented and maintained. The plan shall incorporate procedures recommended by the equipment manufacturer as well as incorporating standard industry practices. At a minimum the plan shall include:
- a) Identification of the equipment and, if applicable, air-cleaning device and the supervisory personnel responsible for overseeing the inspection, maintenance, and repair.
  - b) Description of the items or conditions to be inspected and frequency of the inspections or repairs.
  - c) Identification of the equipment and, if applicable, air-cleaning device, operating parameters that shall be monitored to detect a malfunction or failure, the normal operating range of these parameters and a description of the method of monitoring or surveillance procedures.
  - d) Identification of the major replacement parts that shall be maintained in inventory for quick replacement.
  - e) A description of the corrective procedures or operational changes that shall be taken in the event of a malfunction or failure to achieve compliance with the applicable emission limits.

If the plan fails to address or inadequately addresses an event that meets the characteristics of a malfunction at the time the plan is initially developed, the owner or operator shall revise the plan within 45 days after such an event occurs and submit the revised plan for approval to the AQD District Supervisor. Should the AQD determine the malfunction abatement/preventative maintenance plan to be inadequate, the AQD District Supervisor may request modification of the plan to address those inadequacies. **(R 336.1205(3), R 336.1910, R 336.1911, R 336.1912)**

#### **IV. DESIGN/EQUIPMENT PARAMETERS**

NA

#### **V. TESTING/SAMPLING**

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

1. The department may require the owner or operator of any vapor collection system subject to the provisions of subrule (6) of Rule 627 to test the system in accordance with Rule 2005. The tests shall be conducted within 60 days following receipt of written notification from the department. Notification of the exact time and location of the test shall be given to the department, in writing, not less than seven days before the actual test. Documentation of the test that states the date and location of the test, test procedures, the type of equipment used, and the results of the test shall be submitted to the department within 60 days following the last date of the test. If the time or location of the test changes for any reason, then the owner or operator shall notify the department as soon as practical. **(R 336.1205(3), R 336.1627(10), R 336.2001, R 336.2003, R 336.2004)**

#### **VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

1. The permittee shall perform inspections and monitor emissions and operating information in accordance with the federal Standards of Performance for New Stationary Sources as specified in 40 CFR Part 60 Subparts A and XX. The provisions of 40 CFR Part 60 Subpart XX include, but are not limited to, the following: **(R 336.1205(3), 40 CFR Part 60 Subparts A & XX)**

- a) Each calendar month, the vapor collection system, the vapor processing system, and each loading rack handling gasoline shall be inspected during the loading of gasoline tank trucks for total organic compounds liquid or vapor leaks. Detection methods incorporating sight, sound, or smell are acceptable. Each detection of a leak shall be recorded and the source of the leak repaired within 15 calendar days after it is detected. **(40 CFR 60.502(j))**
2. The permittee shall complete all required calculations in a format acceptable to the AQD District Supervisor and make them available by the 15th day of the calendar month, for the previous calendar month, unless otherwise specified in any recordkeeping, reporting or notification special condition. **(R 336.1205(3))**
3. The permittee shall keep records of the EULOADRACK throughput of each specific product for each calendar month and 12-month rolling time period. The permittee shall keep all records on file for a period of at least five years and make them available to the Department upon request. **(R 336.1205(3))**
4. The permittee shall keep the following information on a monthly and 12-month rolling time period basis for EULOADRACK:
  - a) Controlled VOC emission calculations.
  - b) Fugitive VOC emission calculations using an emission factor based on current gasoline distribution facilities loading rack collection system emission factors.
  - c) Miscellaneous VOC emission calculations from pumps, valves, and fittings based on current gasoline distribution facilities emission factors.

The permittee shall keep all records on file for a period of at least five years and make them available to the Department upon request. **(R 336.1205(3))**

5. The permittee shall keep records of the following:
  - a) Compliance with the appropriate leak test for each delivery vessel.
  - b) Part replacements, repairs and maintenance for the loading rack control device as specified in the malfunction abatement plan (MAP).
  - c) All vapor recovery unit malfunctions or failures.

The permittee shall keep all records on file for a period of at least five years and make them available to the Department upon request. **(R 336.1205(3), R 336.1627, R 336.1910)**

6. The permittee shall keep records of emissions and operating information to comply with the federal Standards of Performance for New Stationary sources as specified in 40 CFR Part 60 Subparts A and XX. The permittee shall keep all source emissions data and operating information on file for a period of at least five years and make them available to the Department upon request. The provisions of 40 CFR Part 60 Subpart XX include, but are not limited to, the following: **(R 336.1205(3), 40 CFR Part 60 Subparts A & XX)**
  - a) The tank truck vapor tightness documentation required under 40 CFR 60.502(e)(1) shall be kept on file at the terminal in a permanent form available for inspection. **(40 CFR 60.505(a))**
  - b) The documentation file for each gasoline tank truck shall be updated at least once per year to reflect current test results as determined by Method 27. This documentation shall include, as a minimum, the following information: **(40 CFR 60.505(b))**
    - i) Test title: Gasoline Delivery Tank Pressure Test—EPA Reference Method 27.
    - ii) Tank owner and address.
    - iii) Tank identification number.
    - iv) Testing location.
    - v) Date of test.
    - vi) Tester name and signature.
    - vii) Witnessing inspector, if any: Name, signature, and affiliation.

- viii) Test results: Actual pressure change in 5 minutes, mm of water (average for two runs).
- c) A record of each monthly leak inspection required under 40 CFR 60.502(j) shall be kept on file at the terminal for at least five years. Inspection records shall include, as a minimum, the following information: **(40 CFR 60.505(c))**
- i) Date of inspection.
  - ii) Findings (may indicate no leaks discovered; or location, nature, and severity of each leak).
  - iii) Leak determination method.
  - iv) Corrective action (date each leak repaired; reasons for any repair interval in excess of 15 days).
  - v) Inspector name and signature.
- d) The terminal owner or operator shall keep documentation of all notifications required under §60.502(e)(4) on file at the terminal for at least five years. **(40 CFR 60.505(d))**
- e) As an alternative to keeping records at the terminal of each gasoline cargo tank test result as required in 40 CFR 60.505(a), (c), and (d), the permittee may comply with the requirements in either 40 CFR 60.505(e)(1) or (2). **(40 CFR 60.505(e))**
- i) An electronic copy of each record is instantly available at the terminal. The copy of each record is an exact duplicate image of the original paper record with certifying signatures. The permitting authority is notified in writing that each terminal using this alternative is in compliance with paragraph 40 CFR 60.505(e)(1). **(40 CFR 60.505(e)(1))**
  - ii) For facilities that utilize a terminal automation system to prevent gasoline cargo tanks that do not have valid cargo tank vapor tightness documentation from loading (e.g., via a card lock-out system), a copy of the documentation is made available (e.g., via facsimile) for inspection by permitting authority representatives during the course of a site visit, or within a mutually agreeable time frame. The copy of each record is an exact duplicate image of the original paper record with certifying signatures. The permitting authority is notified in writing that each terminal using this alternative is in compliance with paragraph 40 CFR 60.505(e)(2). **(40 CFR 60.505(e)(2))**
- f) The permittee shall keep records of all replacements or additions of components performed on an existing vapor processing system for at least three years. **(40 CFR 60.505(f))**

## **VII. REPORTING**

NA

## **VIII. STACK/VENT RESTRICTIONS**

NA

## **IX. OTHER REQUIREMENTS**

NA

### **Footnotes:**

<sup>1</sup>This condition is state only enforceable and was established pursuant to Rule 201(1)(b).

**FLEXIBLE GROUP SUMMARY TABLE**

The descriptions provided below are for informational purposes and do not constitute enforceable conditions.

<b>Flexible Group ID</b>	<b>Flexible Group Description</b>	<b>Associated Emission Unit IDs</b>
FGIFRTANKS	Five (5) internal floating roof storage tanks	EUTANK1, EUTANK2, EUTANK3, EUTANK5, and EUTANK6.
FGFACILITY	All process equipment source-wide including equipment covered by other permits, grand-fathered equipment and exempt equipment.	All emission units

**The following conditions apply to: FGIFRTANKS**

**DESCRIPTION:** Five (5) internal floating roof storage tanks

**Emission Units:** EUTANK1, EUTANK2, EUTANK3, EUTANK5, and EUTANK6

**POLLUTION CONTROL EQUIPMENT:** Control varies depending on the type of seal

**I. EMISSION LIMITS**

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Testing / Monitoring Method	Underlying Applicable Requirements
1. VOC	20.6 tpy	12-month rolling time period as determined at the end of each calendar month.	FGIFRTANKS	SC VI. 2, SC VI.3, SC VI.4, SC VI.5	R 336.1205(3)

**II. MATERIAL LIMITS**

NA

**III. PROCESS/OPERATIONAL RESTRICTIONS**

1. The permittee shall not operate any FGIFRTANKS stationary vessel unless all applicable provisions of Rule 604 are met. The provisions of Rule 604 include, but are not limited to, the following: **[R 336.1205(3), R 336.1604, R 336.1910]**
  - a) The vessel is equipped and maintained with a floating cover or roof which rests upon, and is supported by, the liquid being contained and has a closure seal or seals to reduce the space between the cover or roof edge and vessel wall. The seal or any seal fabric shall not have visible holes, tears, or other nonfunctional openings. **(R 336.1604(1)(b))**
  - b) All openings, except stub drains, in any stationary vessel subject to the provisions of this rule shall be equipped with covers, lids, or seals so that all of the following conditions are met: **(R 336.1604(2))**
    - i) The cover, lid, or seal is in the closed position at all times, except when in actual use.
    - ii) Automatic bleeder vents are closed at all times, except when the roof is floated off, or landed on, the roof leg supports.
    - iii) Rim vents, if provided, are set at the manufacturer's recommended setting or are set to open when the roof is being floated off the roof leg supports.
2. The permittee shall comply with all provisions of the Federal Standards of Performance for New Stationary Sources as specified in 40 CFR Part 60 Subparts A and K, as they apply to EUTANK6. The provisions of 40 CFR Part 60 Subpart K include, but are not limited to, equipping EUTANK6 storage vessel with a floating roof. **(R 336.1205(3), 40 CFR Part 60 Subparts A & K)**
3. The permittee shall comply with all provisions, including recordkeeping and reporting, of the federal Standards of Performance for New Stationary Sources as specified in 40 CFR Part 60 Subparts A and Kb, as they apply to EUTANK2. The provisions of 40 CFR Part 60 Subpart Kb includes, but is not limited to, equipping EUTANK2 storage vessel with a floating roof. **(R 336.1205(3), 40 CFR Part 60 Subparts A & Kb)**

#### **IV. DESIGN/EQUIPMENT PARAMETERS**

1. The permittee shall equip and maintain the storage tanks with the deck and seal configuration listed in the following table, or a deck and seal configuration that results in the same or lower VOC emissions from the tank.

	<b>Equipment</b>	<b>Deck Type</b>	<b>Primary Seal</b>	<b>Secondary Seal</b>	<b>Applicable Requirement</b>
a.	EUTANK1	Welded	Vapor-mounted	None	<b>R 336.1205(3), R 336.1910</b>
b.	EUTANK2	Bolted Deck	shoe-mounted	none	<b>R 336.1205(3), R 336.1910</b>
c.	EUTANK3	Welded	Vapor-mounted	Rim-mounted	<b>R 336.1205(3), R 336.1910</b>
d.	EUTANK5	Welded	Vapor-mounted	None	<b>R 336.1205(3), R 336.1910</b>
e.	EUTANK6	Welded	Vapor-mounted	None	<b>R 336.1205(3), R 336.1910</b>

#### **V. TESTING/SAMPLING**

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

NA

#### **VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

1. The permittee shall complete all required calculations in a format acceptable to the AQD District Supervisor and make them available by the 15th day of the calendar month, for the previous calendar month, unless otherwise specified in any recordkeeping, reporting or notification special condition. **(R 336.1205(3))**
2. The permittee shall keep records of the FGIFRTANKS throughput of each specific product for each calendar month and 12-month rolling time period. The permittee shall keep all records on file and make them available to the Department upon request. **(R 336.1205(3))**
3. The permittee shall keep, in a satisfactory manner, monthly and 12-month rolling time period records of VOC emissions calculations for FGIFRTANKS, as required by SC I.1. The permittee shall keep all records on file and make them available to the Department upon request. **(R 336.1205(3))**
4. The permittee shall keep records of inspections and operating information for EUTANK6 in accordance with the federal Standards of Performance for New Stationary sources as specified in 40 CFR Part 60 Subparts A and K, as they apply to EUTANK6. The permittee shall keep all records on file and make them available to the Department upon request. The provisions of 40 CFR Part 60 Subpart K include, but are not limited to, the following for storage vessels storing petroleum liquids with a Reid vapor pressure of more than 6.9 kPa (1.0 psia) and storage vessels not equipped with a vapor recovery and return or disposal system: **(R 336.1205(3), 40 CFR Part 60 Subparts A & K)**
  - a) Maintaining a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period. **(40 CFR 60.113, 40 CFR 60.115a)**
5. The permittee shall keep records of inspections and operating information for EUTANK2 in accordance with the federal Standards of Performance for New Stationary sources as specified in 40 CFR Part 60 Subparts A and Kb, as they apply to EUTANK2. The permittee shall keep all records on file and make them available to the Department upon request. **(R 336.1205(3), 40 CFR Part 60 Subparts A & Kb)**

#### **VII. REPORTING**

NA

**VIII. STACK/VENT RESTRICTIONS**

NA

**IX. OTHER REQUIREMENTS**

NA

**Footnotes:**

<sup>1</sup>This condition is state only enforceable and was established pursuant to Rule 201(1)(b).

**The following conditions apply Source-Wide to: FGFACILITY**

**POLLUTION CONTROL EQUIPMENT:** VRU, seals on floating roof tanks

**I. EMISSION LIMITS**

<b>Pollutant</b>	<b>Limit</b>	<b>Time Period / Operating Scenario</b>	<b>Equipment</b>	<b>Testing / Monitoring Method</b>	<b>Underlying Applicable Requirements</b>
1. VOC	89 TPY	12-month rolling time period as determined at the end of each calendar month.	FGFACILITY	SC VI.2	R 336.1205(3)
2. Each Individual HAP	Less than 9 tpy	12-month rolling time period as determined at the end of each calendar month.	FGFACILITY	SC VI. 2	R 336.1205(3)
3. Aggregate HAPs	Less than 22.5 tpy	12-month rolling time period as determined at the end of each calendar month.	FGFACILITY	SC VI. 2	R 336.1205(3)

**II. MATERIAL LIMITS**

NA

**III. PROCESS/OPERATIONAL RESTRICTIONS**

NA

**IV. DESIGN/EQUIPMENT PARAMETERS**

NA

**V. TESTING/SAMPLING**

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

NA

**VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

1. The permittee shall complete all required calculations in a format acceptable to the AQD District Supervisor and make them available by the 15th day of the calendar month, for the previous calendar month, unless otherwise specified in any recordkeeping, reporting or notification special condition. **(R 336.1205(3))**
2. The permittee shall keep, in a satisfactory manner, records of monthly and 12-month rolling time period VOC, individual HAP, and total HAP emission rate calculations for FGFACILITY, as required by SC I.1,



SC I.2 and SC 1.3. The permittee shall keep all records on file and make them available to the Department upon request. **(R 336.1205(3))**

**VII. REPORTING**

NA

**VIII. STACK/VENT RESTRICTIONS**

NA

**IX. OTHER REQUIREMENTS**

NA

**Footnotes:**

<sup>1</sup>This condition is state only enforceable and was established pursuant to Rule 201(1)(b).