

**MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY  
AIR QUALITY DIVISION**

May 3, 2022

**PERMIT TO INSTALL**  
303-01B

**ISSUED TO**  
MPLX Terminals, LLC

**LOCATED AT**  
3005 Holton Road North Muskegon Terminal  
North Muskegon, Michigan 49445

**IN THE COUNTY OF**  
Muskegon

**STATE REGISTRATION NUMBER**  
B9072

The Air Quality Division has approved this Permit to Install, pursuant to the delegation of authority from the Michigan Department of Environment, Great Lakes, and Energy. 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: <b>April 11, 2022</b>	
DATE PERMIT TO INSTALL APPROVED: <b>May 3, 2022</b>	SIGNATURE:
DATE PERMIT VOIDED:	SIGNATURE:
DATE PERMIT REVOKED:	SIGNATURE:

## PERMIT TO INSTALL

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## COMMON ACRONYMS

AQD	Air Quality Division
BACT	Best Available Control Technology
CAA	Clean Air Act
CAM	Compliance Assurance Monitoring
CEMS	Continuous Emission Monitoring System
CFR	Code of Federal Regulations
COMS	Continuous Opacity Monitoring System
Department/department/EGLE	Michigan Department of Environment, Great Lakes, and Energy
EU	Emission Unit
FG	Flexible Group
GACS	Gallons of Applied Coating Solids
GC	General Condition
GHGs	Greenhouse Gases
HVLP	High Volume Low Pressure*
ID	Identification
IRSL	Initial Risk Screening Level
ITSL	Initial Threshold Screening Level
LAER	Lowest Achievable Emission Rate
MACT	Maximum Achievable Control Technology
MAERS	Michigan Air Emissions Reporting System
MAP	Malfunction Abatement Plan
MSDS	Material Safety Data Sheet
NA	Not Applicable
NAAQS	National Ambient Air Quality Standards
NESHAP	National Emission Standard for Hazardous Air Pollutants
NSPS	New Source Performance Standards
NSR	New Source Review
PS	Performance Specification
PSD	Prevention of Significant Deterioration
PTE	Permanent Total Enclosure
PTI	Permit to Install
RACT	Reasonable Available Control Technology
ROP	Renewable Operating Permit
SC	Special Condition
SCR	Selective Catalytic Reduction
SNCR	Selective Non-Catalytic Reduction
SRN	State Registration Number
TBD	To Be Determined
TEQ	Toxicity Equivalence Quotient
USEPA/EPA	United States Environmental Protection Agency
VE	Visible Emissions

\*For HVLP applicators, the pressure measured at the gun air cap shall not exceed 10 psig.

### POLLUTANT / MEASUREMENT ABBREVIATIONS

acfm	Actual cubic feet per minute
BTU	British Thermal Unit
°C	Degrees Celsius
CO	Carbon Monoxide
CO <sub>2</sub> e	Carbon Dioxide Equivalent
dscf	Dry standard cubic foot
dscm	Dry standard cubic meter
°F	Degrees Fahrenheit
gr	Grains
HAP	Hazardous Air Pollutant
Hg	Mercury
hr	Hour
HP	Horsepower
H <sub>2</sub> S	Hydrogen Sulfide
kW	Kilowatt
lb	Pound
m	Meter
mg	Milligram
mm	Millimeter
MM	Million
MW	Megawatts
NMOC	Non-Methane Organic Compounds
NO <sub>x</sub>	Oxides of Nitrogen
ng	Nanogram
PM	Particulate Matter
PM10	Particulate Matter equal to or less than 10 microns in diameter
PM2.5	Particulate Matter equal to or less than 2.5 microns in diameter
pph	Pounds per hour
ppm	Parts per million
ppmv	Parts per million by volume
ppmw	Parts per million by weight
psia	Pounds per square inch absolute
psig	Pounds per square inch gauge
scf	Standard cubic feet
sec	Seconds
SO <sub>2</sub>	Sulfur Dioxide
TAC	Toxic Air Contaminant
Temp	Temperature
THC	Total Hydrocarbons
tpy	Tons per year
µg	Microgram
µm	Micrometer or Micron
VOC	Volatile Organic Compounds
yr	Year

## 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 Environment, Great Lakes, and Energy, 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 Rule 210 (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 Rule 219 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 Rule 219 and shall be sent to the District Supervisor, Air Quality Division, Michigan Department of Environment, Great Lakes, and Energy. **(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 condition 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 Rule 301, 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 Rule 303 (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 Rule 370(2). **(R 336.1370)**
13. The Department may require the permittee to conduct acceptable performance tests, at the permittee's expense, in accordance with Rule 1001 and Rule 1003, under any of the conditions listed in Rule 1001. **(R 336.2001)**

**EMISSION UNIT 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 (Including Process Equipment &amp; Control Device(s))</b>	<b>Flexible Group ID</b>
EURACKS	5 lane terminal truck loading rack (2 lanes installed in 1978, 3 installed in 1991) with a carbon adsorption vapor recovery unit as the primary control device. Two portable vapor combustion units (a Zink unit and a RANE unit) are available as back up control devices.	NA
EU20-8	654,000 gallon internal floating roof storage tank constructed in 1990.	FG-IFRTANKS
EU35-4	1,181,000 gallon internal floating roof storage tank constructed in 1954.	FG-IFRTANKS
EU40-11	1,492,000 gallon internal floating roof storage tank constructed in 1991.	FG-IFRTANKS
EU80-2	2,873,000 gallon internal floating roof storage tank with a secondary seal, constructed in 2000.	FG-IFRTANKS
EU80-3	2,789,000 gallon internal floating roof storage tank constructed in 1950.	FG-IFRTANKS
EU80-9	2,803,000 gallon internal floating roof storage tank constructed in 1990.	FG-IFRTANKS
EU80-10	2,800,000 gallon internal floating roof storage tank constructed in 1990.	FG-IFRTANKS
EUO-84-12	64,000 gallon internal floating roof storage tank constructed in 1991.	FG-IFRTANKS
EUO-84-13	65,000 gallon internal floating roof storage tank constructed in 2000.	FG-IFRTANKS
EUT-7	27,000 gallon internal floating roof storage tank constructed in 1990.	FG-IFRTANKS

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 336.1291.

**EURACKS  
 EMISSION UNIT CONDITIONS**

**DESCRIPTION**

5 lane terminal truck loading rack (2 lanes installed in 1978, 3 installed in 1991) with a carbon adsorption vapor recovery unit as the primary control device. Two portable vapor combustion units (a Zink unit and a RANE unit) are available as back up control devices.

**Flexible Group ID:** NA

**POLLUTION CONTROL EQUIPMENT**

Carbon adsorption Vapor Recovery Unit as the primary control device. Two portable vapor combustion units (a Zink unit and a RANE unit) are available as back up control devices.

**I. EMISSION LIMIT(S)**

<b>Pollutant</b>	<b>Limit</b>	<b>Time Period / Operating Scenario</b>	<b>Equipment</b>	<b>Monitoring / Testing Method</b>	<b>Underlying Applicable Requirements</b>
1. VOC	23 tpy	12-month rolling time period as determined at the end of each calendar month	EURACKS Fugitive emissions	SC VI.3, SC VI.4, SC VI.5	R 336.1205(3), R 336.1225, R 336.1702(a)
2. VOC	20 tpy	12-month rolling time period as determined at the end of each calendar month	EURACKS Emissions through the VRU and VCUs	SC VI.3, SC VI.4, SC VI.5	R 336.1205(3), R 336.1225, R 336.1702(a)
3. VOC	7 mg/liter of gasoline loaded	12-month rolling time period as determined at the end of each calendar month	EURACKS Emissions through the VRU and VCUs	SC VI.4	R 336.1702(c)
4. VOC	10 mg/liter of gasoline loaded	Monthly average	EURACKS Emissions through the VRU and VCUs	SC VI.4	R 336.1702(a)
5. VOC	8 mg/liter of gasoline loaded	Monthly average	EURACKS Fugitive emissions	SC VI.4	R 336.1702(a)

6. The permittee shall limit the VOC emissions exhausted through each of the EURACKS control devices (the VRU, Rane VCU, and Zink VCU) such that the following equation is satisfied. **(R 336.1225)**

$$VRU * 0.109 + Rane * 0.151 + Zink * 0.0133 \leq 1.34$$

Where:

- VRU = VOC emissions, in tons, from the VRU for the current 12-month rolling time period,
- Rane = VOC emissions, in tons, from the Rane VCU for the current 12-month rolling time period, determined assuming an emission rate of 7 mg per Liter of gasoline loaded or determined from emission testing data, and
- Zink = VOC emissions, in tons, from the Zink VCU for the current 12-month rolling time period, determined assuming an emission rate of 7 mg per Liter of gasoline loaded or determined from emission testing data.

## **II. MATERIAL LIMIT(S)**

1. The EURACKS throughput shall not exceed the following:
  - a) a total of 700,000,000 gallons of gasoline and ethanol per 12-month rolling time period and
  - b) 150,000,000 gallons of distillate per 12-month rolling time period.**(R 336.1205(3), R 336.1225, R 336.1702(a))**

## **III. PROCESS/OPERATIONAL RESTRICTION(S)**

1. The permittee shall install, maintain and operate in a satisfactory manner, a vapor tight collection line which delivers the organic vapor to a loading rack control device when loading any delivery vessel with an organic compound having a true vapor pressure greater than 1.5 psia, or when loading a delivery vessel which has previously contained an organic compound having a true vapor pressure greater than 1.5 psia. **(R 336.1205(3), R 336.1225, R 336.1609, R 336.1702(a), R 336.1706, R 336.1910, 40 CFR Part 60 Subparts A & XX)**
2. The permittee shall not load any delivery vessel with gasoline unless all provisions of Rule 609, Rule 627, Rule 706 are met. **(R 336.1205(3), R 336.1225, R 336.1609, R 336.1627, R 336.1702(d), R 336.1706, R 336.1910)**
3. To minimize loading rack control device downtime, the permittee shall implement and maintain an approved Malfunction Abatement Plan (MAP). The MAP shall include the following:
  - a) Recordkeeping provisions for part replacements, repairs and maintenance with respect to the loading rack control device.
  - b) Procedures for maintaining and operating EURACKS, the loading rack control device, and any monitoring equipment in a satisfactory manner during malfunction events.
  - c) A program for corrective action for all malfunction events.

If the MAP 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 MAP within 45 days after such an event occurs. **(R 336.1205(3), R 336.1225, R 336.1702(a), R 336.1910, 40 CFR Part 60 Subparts A & XX)**

## **IV. DESIGN/EQUIPMENT PARAMETER(S)**

1. The permittee shall not fill any delivery vessel unless the vapor balance system is installed, maintained and operated in a satisfactory manner as follows:
  - a) The permittee shall connect the vapor-tight collection line to the delivery vessel before any organic compound is transferred.
  - b) The permittee shall close the vapor-tight collection line upon disconnection so as to prevent release of organic vapor.
  - c) The permittee shall close the hatch and other openings on the delivery vessel and make certain they are vapor-tight to prevent emission of displaced gasoline vapor during transfer operations, except under emergency conditions.
  - d) The permittee shall equip the liquid transfer line with a device or shall implement a procedure to prevent liquid drainage from the line when it is disconnected and not in use.

The permittee shall develop written procedures for the operation of all the control measures described above and shall keep such procedures available in an accessible location near the transfer equipment. **(R 336.1205(3), R 336.1225, R 336.1609, R 336.1702(a), R 336.1706, 40 CFR Part 60 Subparts A & XX)**

## **V. TESTING/SAMPLING**

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

1. At least once each calendar year, a Relative Accuracy Test Audit (RATA) on the VOC continuous emission monitor on the VRU, by testing at owner's expense, in accordance with Department requirements, will be required. No less than 30 days prior to testing, a complete test plan shall be submitted to the AQD. The final plan must be approved by the AQD prior to testing. Verification of emission rates includes the submittal of a

complete report of the test results to the AQD within 60 days following the last date of the test. **(R 336.1205(3), R 336.1225, R 336.1702(a), R 336.2001, R 336.2003, R 336.2004)**

2. At least once every five years, verification of VOC emission rates from the EURACKS VRU, by testing at owner's expense, in accordance with 40 CFR Part 60 Subparts A and XX, will be required. Stack testing procedures and the location of stack testing ports shall be in accordance with the applicable federal Reference Methods, 40 CFR Part 60 Appendix A. No less than 30 days prior to testing, a complete stack test plan shall be submitted to the AQD. The final plan must be approved by the AQD prior to testing. Verification of emission rates includes the submittal of a complete report of the test results to the AQD within 60 days following the last date of the test. **(R 336.1205(3), R 336.1225, R 336.1702(a), 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 complete all required calculations in a format acceptable to the AQD District Supervisor by the 15th day of the calendar month, for the previous calendar month, unless otherwise specified in any monitoring/recordkeeping special condition. **(R 336.1205(3), R 336.1225, R 336.1702(a))**
2. The permittee shall monitor emissions and operating information for EURACKS in accordance 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 records of all source emissions data and operating information on file at the facility and make them available to the Department upon request. **(R 336.1205(3), R 336.1225, R 336.1702(a), 40 CFR Part 60 Subparts A & XX)**
3. The permittee shall keep records of the EURACKS throughput of each specific petroleum 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), R 336.1225, R 336.1702(a))**
4. The permittee shall keep, in a satisfactory manner, the following information on a monthly and 12-month rolling time period basis for EURACKS, as required by SC VI.2 and SC VI.3:
  - a) Controlled VOC emission calculations based on the VRU continuous VOC monitoring data mg/L equivalency from the most recent VRU performance test.
  - 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.
  - d) The hours of operation of each portable VCU.
  - e) The amount of gasoline loaded while each portable VCU was operating.
  - f) The controlled VOC emission rate from each portable VCU.
  - g) Demonstration that the equation in Special Condition I.6 is satisfied for the current 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), R 336.1225, R 336.1702(a))**

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 loading rack control device malfunctions or failures.

The permittee shall keep all records on file and make them available to the Department upon request. **(R 336.1205(3), R 336.1225, R 336.1627, R 336.1702(a), R 336.1910, 40 CFR Part 60 Subparts A & XX, 40 CFR Part 63 Subparts A & R)**

6. The permittee shall monitor emissions and operating information for EURACKS in accordance 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 records of all source emissions data and operating information on file and make them available to the Department upon request. **(40 CFR Part 60 Subparts A & XX)**

7. The permittee shall install, calibrate, maintain and operate in a satisfactory manner a device to monitor and record the VOC concentration of the VRU exhaust on a continuous basis. **(R 336.1205(3), R 336.1225, R 336.1702(a))**

**VII. REPORTING**

NA

**VIII. STACK/VENT RESTRICTION(S)**

The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards to the ambient air unless otherwise noted:

<b>Stack &amp; Vent ID</b>	<b>Maximum Exhaust Diameter / Dimensions (inches)</b>	<b>Minimum Height Above Ground (feet)</b>	<b>Underlying Applicable Requirements</b>
1. SV-VRU	12	58	R 336.1225
2. SV-RANE	90	13	R 336.1225
3. SV-ZINK	30	35	R 336.1225

**IX. OTHER REQUIREMENT(S)**

1. 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 XX, as they apply to EURACKS. **(40 CFR Part 60 Subparts A & XX)**
2. The permittee shall comply with all provisions of the federal National Emission Standards for Hazardous Air Pollutants as specified in 40 CFR Part 63 Subparts A and BBBBBB, as they apply to EURACKS. **(40 CFR Part 63 Subparts A & BBBBBB)**

### FLEXIBLE GROUP SPECIAL CONDITIONS

#### 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>
FG-IFRTANKS	All storage tanks with internal floating roofs.	EU20-8, EU35-4, EU40-11, EU80-2, EU80-3, EU80-9, EU80-10, EUO-84-12, EUO-84-13, EUT-7

**FG-IFRTANKS  
 FLEXIBLE GROUP CONDITIONS**

**DESCRIPTION**

All storage tanks with internal floating roofs.

**Emission Unit:** EU20-8, EU35-4, EU40-11, EU80-2, EU80-3, EU80-9, EU80-10, EUO-84-12, EUO-84-13, EUT-7

**POLLUTION CONTROL EQUIPMENT**

NA

**I. EMISSION LIMIT(S)**

Pollutant	Limit	Time Period / Operating Scenario	Equipment	Monitoring / Testing Method	Underlying Applicable Requirements
1. VOC	33.1 tpy	12-month rolling time period as determined at the end of each calendar month	FG-IFRTANKS	SC VI.4	R 336.1205(3), R 336.1225, R 336.1702(a)

**II. MATERIAL LIMIT(S)**

- The FG-IFRTANKS throughput shall not exceed a total of 700,000,000 gallons per 12-month rolling time period. **(R 336.1205(3), R 336.1225, R 336.1702(a), R 336.1901)**

**III. PROCESS/OPERATIONAL RESTRICTION(S)**

- The permittee shall not load any stationary vessel with listed below with gasoline or store gasoline in any stationary vessel listed below unless all provisions of the rules listed below are met, as they apply to each stationary vessel.

Equipment	Rule	Applicable Requirement
a. EU20-8	604, 627, 704	R 336.1205(3), R 336.1702(d), R 336.1704, R 336.1901
b. EU35-4	604, 607, 627	R 336.1205(3), R 336.1604, R 336.1607, R 336.1627, R 336.1901
c. EU40-11	604, 627, 704	R 336.1205(3), R 336.1225, R 336.1702(d), R 336.1704
d. EU80-2	604, 627, 704	R 336.1205(3), R 336.1225, R 336.1702(a), R 336.1704
e. EU80-3	604, 607, 627	R 336.1205(3), R 336.1604, R 336.1607, R 336.1627, R 336.1901
f. EU80-9	604, 627, 704	R 336.1205(3), R 336.1702(d), R 336.1704, R 336.1901
g. EU80-10	604, 627, 704	R 336.1205(3), R 336.1702(d), R 336.1704, R 336.1901
h. EUO-84-12	604, 627, 704	R 336.1205(3), R 336.1225, R 336.1702(d), R 336.1704
i. EUO-84-13	604, 627, 704	R 336.1205(3), R 336.1225, R 336.1702(d), R 336.1704
j. EUT-7	604, 627, 704	R 336.1205(3), R 336.1225, R 336.1702(d), R 336.1704

- 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 Kb, as they apply to FG-IFRTANKS. **(40 CFR Part 60 Subparts A & Kb)**

#### **IV. DESIGN/EQUIPMENT PARAMETER(S)**

1. The permittee shall equip and maintain the storage tanks with the deck and seal configuration listed in the following table. **(R 336.1205, R 336.1224, R 336.1225, R 336.1604, R 336.1702, R 336.1901)**

<b>Equipment</b>	<b>Type</b>	<b>Deck</b>	<b>Primary Seal</b>	<b>Secondary Seal</b>
a. EU20-8	Internal floating roof	Welded	Mechanical Shoe	None
b. EU35-4	Internal floating roof	Bolted	Mechanical Shoe	None
c. EU40-11	Internal floating roof	Welded	Mechanical Shoe	None
d. EU80-2	Internal floating roof	Welded	Mechanical Shoe	Rim-mounted
e. EU80-3	Internal floating roof	Bolted	Vapor Mounted	None
f. EU80-9	Internal floating roof	Welded	Mechanical Shoe	None
g. EU80-10	Internal floating roof	Welded	Mechanical Shoe	None
h. EUO-84-12	Internal floating roof	Welded	Mechanical Shoe	None
i. EUO-84-13	Internal floating roof	Welded	Mechanical Shoe	None
j. EUT-7	Internal floating roof	Welded	Mechanical Shoe	None

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

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 by the 15th day of the calendar month, for the previous calendar month, unless otherwise specified in any monitoring/recordkeeping special condition. **(R 336.1205(3), R 336.1225, R 336.1702(a))**
2. The permittee shall perform inspections and monitor operating information for FG-IFRTANKS in accordance with the federal Standards of Performance for New Stationary sources as specified in 40 CFR Part 60 Subparts A and Kb. The permittee shall keep inspection and operating information records on file at the facility and make them available to the Department upon request. **(40 CFR Part 60 Subparts A & Kb)**
3. The permittee shall keep records of the FG-IFRTANKS throughput of each specific petroleum 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), R 336.1225, R 336.1702(a), R 336.1901)**
4. The permittee shall keep, in a satisfactory manner, monthly and 12-month rolling time period records of VOC emissions calculations for FG-IFRTANKS, 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), R 336.1225, R 336.1702(a), R 336.1901)**

#### **VII. REPORTING**

NA

#### **VIII. STACK/VENT RESTRICTION(S)**

NA

#### **IX. OTHER REQUIREMENT(S)**

NA

## FGFACILITY CONDITIONS

**DESCRIPTION:** The following conditions apply source-wide to all process equipment including equipment covered by other permits, grand-fathered equipment and exempt equipment.

### POLLUTION CONTROL EQUIPMENT

NA

#### I. EMISSION LIMIT(S)

<b>Pollutant</b>	<b>Limit</b>	<b>Time Period / Operating Scenario</b>	<b>Equipment</b>	<b>Monitoring / Testing Method</b>	<b>Underlying Applicable Requirements</b>
1. Aggregate HAPs	6 tpy	12-month rolling time period as determined at the end of each calendar month	FGFACILITY	SC VI.2	R 336.1205(3)
2. VOC	85.5 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 LIMIT(S)

NA

#### III. PROCESS/OPERATIONAL RESTRICTION(S)

NA

#### IV. DESIGN/EQUIPMENT PARAMETER(S)

NA

#### V. TESTING/SAMPLING

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 by the 15th day of the calendar month, for the previous calendar month, unless otherwise specified in any monitoring/recordkeeping 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 and total HAP emission rate calculations for FGFACILITY. 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 RESTRICTION(S)

NA

**IX. OTHER REQUIREMENT(S)**

NA