

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

June 18, 2019

**PERMIT TO INSTALL  
6-19**

**ISSUED TO**  
Stericycle Environmental Solutions, Inc.

**LOCATED AT**  
421 Lycaste Street  
Detroit, Michigan

**IN THE COUNTY OF**  
Wayne

**STATE REGISTRATION NUMBER**  
N0731

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>June 5, 2019</b>	
DATE PERMIT TO INSTALL APPROVED: <b>June 18, 2019</b>	SIGNATURE:
DATE PERMIT VOIDED:	SIGNATURE:
DATE PERMIT REVOKED:	SIGNATURE:

**PERMIT TO INSTALL**

**Table of Contents**

COMMON ACRONYMS .....	2
POLLUTANT / MEASUREMENT ABBREVIATIONS.....	3
GENERAL CONDITIONS .....	4
EMISSION UNIT SPECIAL CONDITIONS.....	6
EMISSION UNIT SUMMARY TABLE .....	6
FLEXIBLE GROUP SPECIAL CONDITIONS.....	9
FLEXIBLE GROUP SUMMARY TABLE .....	9
FG-BlendingTanks .....	10
FG-TruckTransfer.....	12
FG-TS3NONRCRATKS .....	14
FG-TS3RCRATANKS .....	16
FG-2019.....	18
FGFACILITY CONDITIONS.....	21

## 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
PM <sub>10</sub>	Particulate Matter equal to or less than 10 microns in diameter
PM <sub>2.5</sub>	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 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 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>Installation Date / Modification Date</b>	<b>Flexible Group ID</b>
EU-TS1TransferPad	West tanker truck load/unloading pad with vapor balance system		FG-TruckTransfer, FG-2019
EU-TS2TransferPad	Northwest tanker truck load/unloading pad with vapor balance system		FG-TruckTransfer, FG-2019
EU-TS1Tank16	30,000 gallon waste fuel tank 16 located in the West Tank Farm (formerly PCPG Tank Farm)		FG-TS1BlendTanks, FG-2019
EU-TS1Tank17	30,000 gallon waste fuel tank 17 located in the West Tank Farm (formerly PCPG Tank Farm)		FG-TS1BlendTanks, FG-2019
EU-TS1Tank18	30,000 gallon waste fuel tank 18 located in the West Tank Farm (formerly PCPG Tank Farm)		FG-TS1BlendTanks, FG-2019
EU-TS1Tank19	30,000 gallon waste fuel tank 19 located in the West Tank Farm (formerly PCPG Tank Farm)		FG-TS1BlendTanks, FG-2019
EU-TS1Tank20	30,000 gallon waste fuel tank 20 located in the West Tank Farm (formerly PCPG Tank Farm)		FG-TS1BlendTanks, FG-2019
EU-TS1Tank21	30,000 gallon waste fuel tank 21 located in the West Tank Farm (formerly PCPG Tank Farm)		FG-TS1BlendTanks, FG-2019
EU-TS1Tank22	30,000 gallon waste fuel tank 22 located in the West Tank Farm (formerly PCPG Tank Farm)		FG-TS1BlendTanks, FG-2019
EU-TS1Tank23	30,000 gallon waste fuel tank 23 located in the West Tank Farm (formerly PCPG Tank Farm)		FG-TS1BlendTanks, FG-2019
EU-TS1Tank24	30,000 gallon waste fuel tank 24 located in the West Tank Farm (formerly PCPG Tank Farm)		FG-TS1BlendTanks, FG-2019
EU-TS1Tank25	30,000 gallon waste fuel tank 25 located in the West Tank Farm (formerly PCPG Tank Farm)		FG-TS1BlendTanks, FG-2019
EU-TS1Tank26	30,000 gallon waste fuel tank 26 located in the West Tank Farm (formerly PCPG Tank Farm)		FG-TS1BlendTanks, FG-2019
EU-TS1Tank27	30,000 gallon waste fuel tank 27 located in the West Tank Farm (formerly PCPG Tank Farm)		FG-TS1BlendTanks, FG-2019
EU-TS1Tank28	30,000 gallon waste fuel tank 28 located in the West Tank Farm (formerly PCPG Tank Farm)		FG-TS1BlendTanks, FG-2019
EU-TS1Tank29	30,000 gallon waste fuel tank 29 located in the West Tank Farm (formerly PCPG Tank Farm)		FG-TS1BlendTanks, FG-2019

Emission Unit ID	Emission Unit Description (Including Process Equipment & Control Device(s))	Installation Date / Modification Date	Flexible Group ID
EU-TS1Tank30	30,000 gallon waste fuel tank 30 located in the West Tank Farm (formerly PCPG Tank Farm)		FG-TS1BlendTanks, FG-2019
EU-TS2Tank35	30,000 gallon waste fuel tank 35 located in the Northwest Tank Farm (formerly SBS Tank Farm)		FG-TS2BlendTanks, FG-2019
EU-TS2Tank36	30,000 gallon waste fuel tank 36 located in the Northwest Tank Farm (formerly SBS Tank Farm)		FG-TS2BlendTanks, FG-2019
EU-TS2Tank37	30,000 gallon waste fuel tank 37 located in the Northwest Tank Farm (formerly SBS Tank Farm)		FG-TS2BlendTanks, FG-2019
EU-TS2Tank38	30,000 gallon waste fuel tank 38 located in the Northwest Tank Farm (formerly SBS Tank Farm)		FG-TS2BlendTanks, FG-2019
EU-TS2Tank39	30,000 gallon waste fuel tank 39 located in the Northwest Tank Farm (formerly SBS Tank Farm)		FG-TS2BlendTanks, FG-2019
EU-TS2Tank40	30,000 gallon waste fuel tank 40 located in the Northwest Tank Farm (formerly SBS Tank Farm)		FG-TS2BlendTanks, FG-2019
EU-TS3TANK61	8,000 gallon oil/oily water storage tank 61 in Tank System 3, equipped with vapor balance for all material transfers. This tank is not subject to the Resource Conservation and Recovery Act (RCRA).	5-6-2014	FG-TS3NONRCRATKS, FG-2019
EU-TS3TANK62	8,000 gallon oil/oily water storage tank 62 in Tank System 3, equipped with vapor balance for all material transfers. This tank is not subject to RCRA.	5-6-2014	FG-TS3NONRCRATKS, FG-2019
EU-TS3TANK63	8,000 gallon oil/oily water storage tank 63 in Tank System 3, equipped with vapor balance for all material transfers. This tank is not subject to RCRA.	5-6-2014	FG-TS3NONRCRATKS, FG-2019
EU-TS3TANK64	8,000 gallon oil/oily water storage tank 64 in Tank System 3, equipped with vapor balance for all material transfers. This tank is not subject to RCRA.	5-6-2014	FG-TS3NONRCRATKS, FG-2019
EU-TS3TANK65	8,000 gallon oil/oily water storage tank 65 in Tank System 3, equipped with vapor balance for all material transfers. This tank is not subject to RCRA.	5-6-2014	FG-TS3NONRCRATKS, FG-2019
EU-TS3TANK66	8,000 gallon oil/oily water storage tank 66 in Tank System 3, equipped with vapor balance for all material transfers. This tank is not subject to RCRA.	5-6-2014	FG-TS3NONRCRATKS, FG-2019
EU-TS3TANK67	8,000 gallon oil/oily water storage tank 67 in Tank System 3, equipped with vapor balance for all material transfers. This tank is not subject to RCRA.	5-6-2014	FG-TS3NONRCRATKS, FG-2019
EU-TS3TANK68	8,000 gallon oil/oily water storage tank 68 in Tank System 3, equipped with vapor balance for all material transfers. This tank is not subject to RCRA.	5-6-2014	FG-TS3NONRCRATKS, FG-2019

<b>Emission Unit ID</b>	<b>Emission Unit Description (Including Process Equipment &amp; Control Device(s))</b>	<b>Installation Date / Modification Date</b>	<b>Flexible Group ID</b>
EU-TS3TANK69	13,277 gallon waste fuel storage and blending tank 69 in Tank System 3, equipped with vapor balance for all material transfers. This tank may also store alkaline wastes. This tank is subject to RCRA.	5-6-2014	FG-TS3RCRATANKS, FG-2019
EU-TS3TANK70	13,277 gallon waste fuel storage and blending tank 70 in Tank System 3, equipped with vapor balance for all material transfers. This tank may also store alkaline wastes. This tank is subject to RCRA.	5-6-2014	FG-TS3RCRATANKS, FG-2019
EU-TS3TANK71	10,201 gallon waste fuel storage and blending tank 71 in Tank System 3, equipped with vapor balance for all material transfers. This tank may also store alkaline wastes. This tank is subject to RCRA.	5-6-2014	FG-TS3RCRATANKS, FG-2019
EU-TS3TANK72	10,201 gallon waste fuel storage and blending tank 72 in Tank System 3, equipped with vapor balance for all material transfers. This tank may also store alkaline wastes. This tank is subject to RCRA.	5-6-2014	FG-TS3RCRATANKS, FG-2019

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.

**FLEXIBLE GROUP SPECIAL CONDITIONS**

**FLEXIBLE GROUP SUMMARY TABLE**

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

Flexible Group ID	Flexible Group Description	Associated Emission Unit IDs
FG-BlendingTanks	Waste fuel storage tanks – all subject to 40 CFR Part 60 Subpart Kb and 40 CFR Part 61 Subpart FF. All material transfers are conducted using vapor balance.	EU-TS1Tank16, EU-TS1Tank17, EU-TS1Tank18, EU-TS1Tank19, EU-TS1Tank20, EU-TS1Tank21, EU-TS1Tank22, EU-TS1Tank23, EU-TS1Tank24, EU-TS1Tank25, EU-TS1Tank26, EU-TS1Tank27, EU-TS1Tank28, EU-TS1Tank29, EU-TS1Tank30, EU-TS2Tank35, EU-TS2Tank36, EU-TS2Tank37, EU-TS2Tank38, EU-TS2Tank39, EU-TS2Tank40
FG-TruckTransfer	Two tanker truck load/unloading pads, each with a vapor balance system.	EU-TS1TransferPad, EU-TS2TransferPad
FG-TS3NONRCRATKS	Eight 8,000 gallon oil/oily water storage tanks in Tank System 3. All material transfers are conducted using vapor balance. These tanks are not subject to RCRA.	EU-TS3TANK61, EU-TS3TANK62, EU-TS3TANK63, EU-TS3TANK64, EU-TS3TANK65, EU-TS3TANK66, EU-TS3TANK67, EU-TS3TANK68
FG-TS3RCRATANKS	Four waste fuel storage and blending tanks (two 13,277 gallon and two 10,201 gallon) in Tank System 3. All material transfers are conducted using vapor balance. These tanks may also store alkaline wastes. These tanks are subject to RCRA.	EU-TS3TANK69, EU-TS3TANK70, EU-TS3TANK71, EU-TS3TANK72
FG-2019	All storage and blending tanks and all transfer pads as of PTI No. 6-19.	EU-TS1Tank16, EU-TS1Tank17, EU-TS1Tank18, EU-TS1Tank19, EU-TS1Tank20, EU-TS1Tank21, EU-TS1Tank22, EU-TS1Tank23, EU-TS1Tank24, EU-TS1Tank25, EU-TS1Tank26, EU-TS1Tank27, EU-TS1Tank28, EU-TS1Tank29, EU-TS1Tank30, EU-TS2Tank35, EU-TS2Tank36, EU-TS2Tank37, EU-TS2Tank38, EU-TS2Tank39, EU-TS2Tank40, EU-TS3TANK61, EU-TS3TANK62, EU-TS3TANK63, EU-TS3TANK64, EU-TS3TANK65, EU-TS3TANK66, EU-TS3TANK67, EU-TS3TANK68, EU-TS3TANK69, EU-TS3TANK70, EU-TS3TANK71, EU-TS3TANK72, EU-TS1TransferPad, EU-TS2TransferPad

## **FG-BlendingTanks FLEXIBLE GROUP CONDITIONS**

### **DESCRIPTION**

Waste fuel storage tanks – all subject to 40 CFR Part 60 Subpart Kb and 40 CFR Part 61 Subpart FF. All material transfers are conducted using vapor balance.

**Emission Unit:** EU-TS1Tank16, EU-TS1Tank17, EU-TS1Tank18, EU-TS1Tank19, EU-TS1Tank20, EU-TS1Tank21, EU-TS1Tank22, EU-TS1Tank23, EU-TS1Tank24, EU-TS1Tank25, EU-TS1Tank26, EU-TS1Tank27, EU-TS1Tank28, EU-TS1Tank29, EU-TS1Tank30, EU-TS2Tank35, EU-TS2Tank36, EU-TS2Tank37, EU-TS2Tank38, EU-TS2Tank39, EU-TS2Tank40

### **POLLUTION CONTROL EQUIPMENT**

Vapor balance system connecting all the tanks  
Conservation vent for each tank

#### **I. EMISSION LIMIT(S)**

NA

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

1. Before beginning cleanout of any tank in FG-BlendingTanks, the permittee shall ensure that no single component of the material last stored in the tank exceeded 40 percent by weight of the material. Water is not subject to this requirement.<sup>1</sup> **(R 336.1225)**

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

NA

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

1. The permittee shall not load or unload any tank in FG-BlendingTanks unless the tank's conservation vent and the vapor balance system are installed, maintained, and operated in a satisfactory manner. **(R 336.1224, R 336.1225, R 336.1702(a), R 336.1910)**
2. The permittee shall equip and maintain FG-BlendingTanks with high level alarms and pressure/vacuum relief valves for each tank and with pumps with automatic cut-off systems. **(R 336.1224, R 336.1225, R 336.1702(a), R 336.1910)**

#### **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, except as noted below. **(R 336.1201(3))**

1. The permittee shall perform inspections and monitor operating information for the tanks in FG-BlendingTanks in accordance with the federal Standards of Performance for New Stationary sources as specified in 40 CFR Part 60 Subparts A and Kb. **(40 CFR Part 60 Subparts A & Kb)**
2. The permittee shall monitor, in a satisfactory manner, the vapor pressure of the contents of each tank in FG-BlendingTanks at least once every six months. **(40 CFR 60.116b(f), 40 CFR Part 60 Subpart Kb)**

3. The permittee shall keep records of inspections and operating information for FG-BlendingTanks 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 all records on file at the facility and make them available to the Department upon request. **(40 CFR Part 60 Subparts A & Kb)**
4. The permittee shall keep records of the dimensions of each tank and an analysis showing the capacity 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 this record on file at the facility for the life of the tank and make it available to the Department upon request. **(40 CFR Part 60 Subparts A & Kb)**
5. The permittee shall keep, in a satisfactory manner, records of the vapor pressure of the contents of each tank in FG-BlendingTanks, as required by FG-BlendingTanks SC VI.2. The permittee shall keep all vapor pressure records on file at the facility and make them available to the Department upon request. **(40 CFR 60.116b(f), 40 CFR Part 60 Subpart Kb)**
6. The permittee shall keep, in a satisfactory manner, monthly records of tank cleanouts for FG-BlendingTanks. The records shall identify which tanks were cleaned during the period, the date each tank was cleaned, and the composition of the material last stored in each tank before cleanout. The composition of the material last stored in a tank shall be determined no longer than one month before the cleanout occurs, unless the permittee can demonstrate to the satisfaction of the AQD District Supervisor that older data is adequate for demonstrating compliance with SC II.1 and for calculating emissions from tank cleanout. The permittee shall keep all records on file at the facility and make them available to the Department upon request.<sup>1</sup> **(R 336.1225)**

## **VII. REPORTING**

NA

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

NA

## **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 Kb, as they apply to each tank in FG-BlendingTanks. **(40 CFR Part 60 Subparts A & Kb)**

### **Footnotes:**

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

## **FG-TruckTransfer FLEXIBLE GROUP CONDITIONS**

### **DESCRIPTION**

Two tanker truck load/unloading pads, each with a vapor balance system.

**Emission Unit:** EU-TS1TransferPad, EU-TS2TransferPad

### **POLLUTION CONTROL EQUIPMENT**

Vapor balance system for each transfer pad.

### **I. EMISSION LIMIT(S)**

NA

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

1. The permittee shall not transfer more than 43,404,000 gallons of material through FG-TruckTransfer per year, based on a 12-month rolling time period as determined at the end of each calendar month. This restriction applies to the sum of the amount of material transferred to the facility through FG-TruckTransfer and the amount of material transferred from the facility through FG-TruckTransfer. **(R 336.1205, R 336.1224, 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 balance system for all organic liquid transfers involving FG-TruckTransfer. **(R 336.1225, R 336.1702(a), R 336.1910)**
2. The permittee shall implement and maintain an approved malfunction abatement plan (MAP) for the loading rack and vapor balance system. The MAP shall include the following:
  - a) Recordkeeping provisions for part replacements, repairs and maintenance with respect to the loading control device.
  - b) Procedures for maintaining and operating FG-TruckTransfer, the vapor balance system, and any monitoring equipment in a satisfactory manner during malfunction events.
  - c) A program for corrective action for all malfunction events.
  - d) Schedule of inspections for system integrity.

If the malfunction abatement 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 malfunction abatement plan within 45 days after such an event occurs. **(R 336.1225, R 336.1702(a), R 336.1910, R 336.1911)**

3. No later than 90 days after issuance of PTI No. 6-19, the permittee shall revise the MAP required by SC III.2 to include provisions to ensure that the vapor balance system operates in compliance with SC IV.1 and submit the revised MAP to the AQD District Supervisor for approval. **(R 336.1702(a), R 336.1910, R 336.1911)**

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

1. The permittee shall not load or unload any delivery vessel unless the vapor balance system is installed, maintained and operated in a satisfactory manner as follows:
  - a) The vapor-tight collection line shall be connected to the delivery vessel before any organic compound is transferred.
  - b) The vapor-tight collection line shall close upon disconnection so as to prevent release of vapor.

- c) Hatch and other openings on the delivery vessel shall be closed and vapor-tight to prevent emission of displaced vapor during transfer operations, except under emergency conditions.
- d) The liquid transfer line shall be equipped with a device, or a procedure shall be implemented, 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 such procedures shall be available in an accessible location near the transfer equipment. **(R 336.1702(a))**

#### **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 keep, in a satisfactory manner, monthly records of the quantity of material, in gallons, transferred through FG-TruckTransfer, as required by FG-TruckTransfer SC II.1. The permittee shall keep all records on file at the facility and make them available to the Department upon request. **(R 336.1205, R 336.1224, R 336.1225, R 336.1702(a))**
2. The permittee shall make all required records available 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 336.1225, R 336.1702(a))**
3. The permittee shall keep records of the total amount of material transferred through FG-TruckTransfer of each specific product for each calendar month and 12-month rolling time period. The permittee shall keep all records on file at the facility and make them available to the Department upon request. **(R 336.1225, R 336.1702(a))**
4. The permittee shall keep records of the following:
  - a) All monitoring data specified in the approved MAP.
  - b) All actions taken under the approved MAP.

The permittee shall keep all records on file at the facility, in a format acceptable to the AQD District Supervisor, and make them available to the Department upon request. **(R 336.1225, R 336.1910, R 336.1911)**

#### **VII. REPORTING**

NA

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

NA

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

NA

#### **Footnotes:**

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

<b>FG-TS3NONRCRATKS FLEXIBLE GROUP CONDITIONS</b>
---

**DESCRIPTION**

Eight 8,000-gallon oil/oily water storage tanks in Tank System 3. All material transfers are conducted using vapor balance. These tanks are not subject to RCRA.

**Emission Unit:** EU-TS3TANK61, EU-TS3TANK62, EU-TS3TANK63, EU-TS3TANK64, EU-TS3TANK65, EU-TS3TANK66, EU-TS3TANK67, EU-TS3TANK68

**POLLUTION CONTROL EQUIPMENT**

All material transfers are conducted using vapor balance.

**I. EMISSION LIMIT(S)**

NA

**II. MATERIAL LIMIT(S)**

NA

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

1. The permittee shall not provide heat to any tank located in FG-TS3NONRCRATKS. **(R 336.1225, R 336.1702)**

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

1. The permittee shall not load or unload any tank in FG-TS3NONRCRATKS unless the conservation vents and vapor balance system are installed, maintained, and operated in a satisfactory manner. **(R 336.1225, R 336.1702(a), R 336.1910)**
2. The permittee shall equip and maintain each tank in FG-TS3NONRCRATKS with high level alarms and pumps with automatic cut-off systems. **(R 336.1225, R 336.1702(a), R 336.1910)**

**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. All required calculations shall be completed in a format acceptable to the AQD District Supervisor and made 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 336.1225, R 336.1702(a))**
2. For each load of material received for treatment in FG-TS3NONRCRATKS, on an as received basis, the permittee shall monitor and record, in a satisfactory manner, the following information. Material is determined to be "received for treatment in FG-TS3NONRCRATKS" at the time the material is either treated, blended, or transferred to equipment on site. **(R 336.1225, R 336.1702(a))**
  - a) The identification of the waste generator
  - b) The waste code
  - c) The date, time, and amount of material received for treatment in FG-TS3NONRCRATKS

**VII. REPORTING**

NA

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

NA

**IX. OTHER REQUIREMENT(S)**

NA

**Footnotes:**

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

**FG-TS3RCRATANKS  
 FLEXIBLE GROUP CONDITIONS**

**DESCRIPTION**

Four waste fuel storage and blending tanks (two 13,277 gallon and two 10,201 gallon) in Tank System 3. All material transfers are conducted using vapor balance. These tanks may also store alkaline wastes. These tanks are subject to RCRA.

**Emission Unit:** EU-TS3TANK69, EU-TS3TANK70, EU-TS3TANK71, EU-TS3TANK72

**POLLUTION CONTROL EQUIPMENT**

All material transfers are conducted using vapor balance.

**I. EMISSION LIMIT(S)**

NA

**II. MATERIAL LIMIT(S)**

<b>Material</b>	<b>Limit</b>	<b>Time Period / Operating Scenario</b>	<b>Equipment</b>	<b>Monitoring / Testing Method</b>	<b>Underlying Applicable Requirements</b>
1. Formaldehyde	0.06 weight % <sup>1</sup>	Instantaneous	FG-TS3RCRATANKS	SC VI.3	R 336.1225

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

1. The permittee shall not provide heat to any tank located in FG-TS3RCRATANKS. **(R 336.1225, R 336.1702)**

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

1. The permittee shall not load or unload any tank in FG-TS3RCRATANKS unless the conservation vents and vapor balance system are installed, maintained, and operated in a satisfactory manner. **(R 336.1225, R 336.1702(a), R 336.1910)**
2. The permittee shall equip and maintain each tank in FG-TS3RCRATANKS with high level alarms and pumps with automatic cut-off systems. **(R 336.1225, R 336.1702(a), R 336.1910)**

**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. All required calculations shall be completed in a format acceptable to the AQD District Supervisor and made 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 336.1225, R 336.1702(a))**
2. For each load of material received for treatment in FG-TS3RCRATANKS, on an as received basis, the permittee shall monitor and record, in a satisfactory manner, the following information. Material is determined to be "received for treatment in FG-TS3RCRATANKS" at the time the material is either treated, blended, or transferred to equipment on site. **(R 336.1225, R 336.1702(a))**

- a) The identification of the waste generator.
  - b) The waste code.
  - c) The date, time, and amount of material received for treatment in FG-TS3RCRATANKS.
3. The permittee shall keep records of the formaldehyde concentration of each waste fuel received in FG-TS3RCRATANKS. All records shall be kept on file and made available to the Department upon request.<sup>1</sup>  
**(R 336.1225)**

**VII. REPORTING**

NA

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

NA

**IX. OTHER REQUIREMENT(S)**

NA

**Footnotes:**

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

**FG-2019**  
**FLEXIBLE GROUP CONDITIONS**

**DESCRIPTION**

All storage and blending tanks and all transfer pads as of PTI No. 6-19.

**Emission Unit:** EU-TS1Tank16, EU-TS1Tank17, EU-TS1Tank18, EU-TS1Tank19, EU-TS1Tank20, EU-TS1Tank21, EU-TS1Tank22, EU-TS1Tank23, EU-TS1Tank24, EU-TS1Tank25, EU-TS1Tank26, EU-TS1Tank27, EU-TS1Tank28, EU-TS1Tank29, EU-TS1Tank30, EU-TS2Tank35, EU-TS2Tank36, EU-TS2Tank37, EU-TS2Tank38, EU-TS2Tank39, EU-TS2Tank40, EU-TS3TANK61, EU-TS3TANK62, EU-TS3TANK63, EU-TS3TANK64, EU-TS3TANK65, EU-TS3TANK66, EU-TS3TANK67, EU-TS3TANK68, EU-TS3TANK69, EU-TS3TANK70, EU-TS3TANK71, EU-TS3TANK72, EU-TS1TransferPad, EU-TS2TransferPad

**POLLUTION CONTROL EQUIPMENT**

Vapor balance system connecting all the tanks  
 Vapor balance system for each transfer pad

**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	6.9 tpy	12-month rolling time period as determined at the end of each calendar month	FG-2019	SC VI.2	R 336.1205

**II. MATERIAL LIMIT(S)**

<b>Material</b>	<b>Limit</b>	<b>Time Period / Operating Scenario</b>	<b>Equipment</b>	<b>Monitoring / Testing Method</b>	<b>Underlying Applicable Requirements</b>
1. Material received by tanker truck	21,702,000 gallons per year	12-month rolling time period as determined at the end of each calendar month	FG-2019	SC VI.3	R 336.1205

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

1. The permittee shall implement and maintain an approved malfunction abatement plan (MAP) for all vapor balance equipment in FG-2019. The MAP shall include the following:
  - a) A complete preventative maintenance program
  - b) Recordkeeping provisions for part replacements, repairs and maintenance with respect to the vapor balance equipment.
  - c) Procedures for maintaining and operating the vapor balance equipment and any monitoring equipment in a satisfactory manner during malfunction events.
  - d) A program for corrective action for all malfunction events.

If the malfunction abatement 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, within 45 days after such an event occurs, revise the malfunction abatement plan and submit the revised MAP to the District Supervisor for review and approval. **(R 336.1205, R 336.1910, R 336.1911)**

2. The permittee shall implement and maintain a leak detection and repair (LDAR) program, approved by the AQD District Supervisor, for FG-2019. The LDAR program shall include the following elements, as a minimum:
  - a) An inventory of components, connectors, and other equipment to be monitored.
  - b) The monitored concentration constituting a leak.
  - c) Monitoring of components, connectors, and other equipment monthly or more often, unless a modified schedule is approved by the AQD District Supervisor.
  - d) Calibration of the monitoring instrument.
  - e) Records of calibrations.
  - f) Repair of all components, connectors, and other equipment with monitored values above the concentration specified to be a leak within 15 days of leak detection, except as allowed in the approved LDAR program.
  - g) Records of monitoring results.
  - h) Records of repairs.**(R 336.1205, R 336.1910)**

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

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 and records 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, R 336.1910)**
2. The permittee shall record the following information on a monthly basis for FG-2019:
  - a) VOC emission calculations determining the monthly emission rate in tons per calendar month.
  - b) VOC emission calculations determining the annual emission rate in tons per 12-month rolling time period as determined at the end of each calendar month.

Emission calculations shall be based on throughput activity, transfer activity including transfer line clearing activity, and tank cleanout activity, or an alternate method acceptable to the AQD District Supervisor. The permittee shall keep the records on file at the facility, in a format acceptable to the AQD District Supervisor, and make them available to the Department upon request. **(R 336.1205)**

3. The permittee shall keep a record of the amount of material received by tanker truck for FG-2019 for each calendar month and for the 12-month rolling time period ending that month. The permittee shall keep the records on file at the facility, in a format acceptable to the AQD District Supervisor, and make them available to the Department upon request. **(R 336.1205)**
4. The permittee shall keep records of the following:
  - a) All monitoring data specified in the approved MAP.
  - b) All actions taken under the approved MAP.

The permittee shall keep all records on file at the facility, in a format acceptable to the AQD District Supervisor, and make them available to the Department upon request. **(R 336.1205, R 336.1910, R 336.1911)**

5. The permittee shall keep all records specified in the approved LDAR program on file at the facility, in a format acceptable to the AQD District Supervisor, and make them available to the Department upon request. **(R 336.1205, R 336.1910)**

6. The permittee shall keep a record of the following information for cleanout activity for tanks in FG-2019:
  - a) The identity of the tank cleaned out.
  - b) The date cleanout occurred.
  - c) The composition of the tank when cleanout occurred.

The permittee shall keep all records on file at the facility, in a format acceptable to the AQD District Supervisor, and make them available to the Department upon request. **(R 336.1205)**

## **VII. REPORTING**

1. No later than 90 days after issuance of PTI No. 6-19, the permittee shall submit an approvable MAP meeting the requirements of SC III.1 to the AQD District Supervisor for approval. **(R 336.1205, R 336.1910, R 336.1911)**
2. No later than 90 days after issuance of PTI No. 6-19, the permittee shall submit an approvable LDAR program meeting the requirements of SC III.2 to the AQD District Supervisor for approval. **(R 336.1205, R 336.1910)**

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

NA

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

NA

### **Footnotes:**

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

## 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

Vapor balance system connecting all the tanks  
Vapor balance system for each transfer pad

#### I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period / Operating Scenario	Equipment	Monitoring / Testing Method	Underlying Applicable Requirements
1. Individual HAP	Less than 8.9 tpy	12-month rolling time period as determined at the end of each calendar month	FGFACILITY	SC VI.2	R 336.1205
2. Aggregate HAPs	Less than 22.4 tpy	12-month rolling time period as determined at the end of each calendar month	FGFACILITY	SC VI.2	R 336.1205

#### II. MATERIAL LIMIT(S)

1. The permittee shall not process more than 10 megagrams of benzene from facility waste in FGFACILITY per year, based on a 12-month rolling time period as determined at the end of each calendar month. **(40 CFR 61.342(a))**

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

NA

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

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 and records 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, 40 CFR 61.342(g), 40 CFR Part 61 Subparts A & FF)**
2. The permittee shall keep the following information on a calendar month basis for FGFACILITY:
  - a) Individual and aggregate HAP emission calculations determining the monthly emission rate of each in tons per calendar month.
  - b) Individual and aggregate HAP emission calculations determining the cumulative emission rate of each during the first 12-months and the annual emission rate of each thereafter, in tons per 12-month rolling time period as determined at the end of each calendar month.

- c) Emission calculations shall be based on actual throughput, information on the waste processed and sampling data, storage tank emission calculations such as those in AP-42 Chapter 7.1, transfer line clearing activity, and tank cleanout activity, or an alternative approach acceptable to the AQD District Supervisor.

The permittee shall keep the records on file at the facility, in a format acceptable to the AQD District Supervisor, and make them available to the Department upon request. **(R 336.1205)**

3. The permittee shall monitor, in a satisfactory manner and in accordance with the Benzene Waste Monitoring Plan, the total benzene quantity from facility waste processed in FGFACILITY on a monthly and 12-month rolling time period basis. **(40 CFR 61.342(g), 40 CFR 61.355)**
4. The permittee shall monitor emissions and operating and maintenance information in accordance with the National Emission Standards for Hazardous Air Pollutants as specified in 40 CFR Part 61 Subparts A and FF. **(40 CFR Part 61 Subparts A & FF)**
5. The permittee shall keep, in a satisfactory manner, monthly and 12-month rolling time period records of the total benzene quantity from facility waste processed in FGFACILITY. The permittee shall keep all records on file at the facility and make them available to the Department upon request. **(40 CFR 61.342(g))**
6. The permittee shall maintain records that identify each waste stream at the facility subject to 40 CFR Part 61 Subpart FF, and indicate whether or not the waste stream is controlled for benzene emissions in accordance with 40 CFR Part 61 Subpart FF. In addition, the permittee shall maintain the following records:
  - a) For each waste stream not controlled for benzene emissions in accordance with 40 CFR Part 61 Subpart FF, the records shall include all test results, measurements, calculations, and other documentation used to determine the following information for the waste stream: waste stream identification, water content, whether or not the waste stream is a process wastewater stream, annual waste quantity, range of benzene concentrations, annual average flow-weighted benzene concentration, and annual benzene quantity. **(40 CFR 61.356(b))**
7. The permittee shall keep records of emission information and operating and maintenance information to comply with the National Emission Standards for Hazardous Air Pollutants as specified in 40 CFR Part 61 Subparts A and FF, as these standards apply to FGFACILITY. The permittee shall keep all source emissions and operating and maintenance information on file at the facility and make the information available to the Department upon request. **(40 CFR Part 61 Subparts A & FF)**

## **VII. REPORTING**

1. If the total annual benzene throughput from facility waste for FGFACILITY equals or exceeds 1 megagram during any 12-month rolling time period, the permittee shall submit annual reports to the AQD District Supervisor as required by 40 CFR 61.357. **(40 CFR 61.357)**
2. No later than 90 days after issuance of PTI No. 6-19, the permittee shall submit an update to the Benzene Waste Monitoring Plan to the AQD District Supervisor for approval. **(40 CFR 61.354, 40 CFR 61.355)**

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

NA

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

1. The permittee shall comply with all provisions of the National Emission Standards for Hazardous Air Pollutants as specified in 40 CFR Part 61 Subparts A and FF, as they apply to FGFACILITY. **(40 CFR Part 61 Subparts A & FF)**

### **Footnotes:**

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