

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

May 30, 2019

PERMIT TO INSTALL
64-18B

ISSUED TO
Gage Products Company

LOCATED AT
625 Wanda Avenue
Ferndale, Michigan

IN THE COUNTY OF
Oakland

STATE REGISTRATION NUMBER
N0842

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: March 1, 2019	
DATE PERMIT TO INSTALL APPROVED: May 30, 2019	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	Michigan Department of Environmental Quality
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
MDEQ	Michigan Department of Environmental Quality
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 ₂ 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 ₂ S	Hydrogen Sulfide
kW	Kilowatt
lb	Pound
m	Meter
mg	Milligram
mm	Millimeter
MM	Million
MW	Megawatts
NMOC	Non-Methane Organic Compounds
NO _x	Oxides of Nitrogen
ng	Nanogram
PM	Particulate Matter
PM ₁₀	Particulate Matter equal to or less than 10 microns in diameter
PM _{2.5}	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 ₂	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 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 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 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 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.

Emission Unit ID	Emission Unit Description (Including Process Equipment & Control Device(s))	Installation Date / Modification Date	Flexible Group ID
EUTank69	97-cubic meter capacity storage tank used to store product and subject to 40 CFR Part 60, Subpart Kb.	1987	FGNSPSLargeTanks, FGTANKFARM
EUTank70	101-cubic meter capacity storage tank used to store product and subject to 40 CFR Part 60, Subpart Kb.	1987	FGTANKFARM
EUTank71	101-cubic meter capacity storage tank used to store product and subject to 40 CFR Part 60, Subpart Kb.	1987	FGNSPSLargeTanks, FGTANKFARM
EUTank78	130-cubic meter capacity storage tank used to store product and subject to 40 CFR Part 60, Subpart Kb.	1998	FGNSPSLargeTanks, FGTANKFARM
EUTank79	130-cubic meter capacity storage tank used to store product and subject to 40 CFR Part 60, Subpart Kb.	1998	FGNSPSLargeTanks, FGTANKFARM
EUTank80	130-cubic meter capacity storage tank used to store product and subject to 40 CFR Part 60, Subpart Kb.	1998	FGNSPSLargeTanks, FGTANKFARM
EUTank81	130-cubic meter capacity storage tank used to store product and subject to 40 CFR Part 60, Subpart Kb.	1998	FGNSPSLargeTanks, FGTANKFARM
EUTANKS	Tanks used for several purposes including blending raw materials and storing products and wastes of the remanufacturing process. Tanks included in this emission unit are ID numbers 1-24, 28, 32-40, 52-68, 77, 90 and 91.	1/1/1975 5/30/2019	FGTANKFARM
EUDRUMFILLING	Filling operation in 1, 2 and 5 gallon pails, and 55 gallon drums.	1/1/1975	FGTANKFARM
EUTOTEFILLING	Tote filling operations.	1/1/1975	FGTANKFARM
EUTANKERFILLING	Filling product into tanker operations.	1/1/1975	FGTANKFARM
EUOLDEVAPORATOR	Thin film evaporator system used to recycle a variety of blended solvents.	1/1/1987	FGREMANUFACTURE
EUNEWEVAPORATOR	Thin film evaporator system used to recycle a variety of blended solvents.	11/01/1993	FGREMANUFACTURE
EUDISTILLATION	Distillation unit for processing product from the thin film evaporators and remanufacturing incoming material. A primary condenser is integral to the design of this emission unit. This emission unit includes the receiver tanks that hold distillation product before transfer to EUTANKS.	1/1/1987	FGREMANUFACTURE

Emission Unit ID	Emission Unit Description (Including Process Equipment & Control Device(s))	Installation Date / Modification Date	Flexible Group ID
EUSPECIALTY	Specialty products manufacturing including water-based cleaners, solvent-based cleaners, booth coatings, strippers, and fuel blending.	1/1/1987	FGSPECIALTY
EUBOILER1	Cleaver Brooks boiler with a design heat input rating of 29.3 million Btu's per hour. The boiler is capable of burning natural gas, and liquid fuels as noted in FGBOILERS.	9/1/1992	FGBOILERS
EUBOILER2	Cleaver Brooks boiler with a design heat input rating of 29.3 million Btu's per hour. The boiler is capable of burning natural gas, and liquid fuels as noted in FGBOILERS.	9/1/1992	FGBOILERS
EU515TKS	5,000 gallon storage tanks 25, 26, 27, 29, 30, and 31 and 7,500 gallon storage tank 93 located inside the 515 Building used for storage of lower vapor pressure materials (cyclohexane and materials with a vapor pressure of not more than 1.5 psia at actual storage conditions). The conservation vents are set at 0.5 psi to reduce emissions.	2011	FGTKS, FGFUELBLEND
EUHIVPTKS	13,000 gallon storage tanks 209 and 210 located in the southwest corner of the Western Jewell Containment Area used to store high vapor pressure materials, like isopentane and natural gasoline. The conservation vents are set at 10 psi and routed to the vent condenser to reduce emissions; this also controls the filling losses.	2008	FGTKS, FGFUELBLEND
EU9600TKS	9,600 gallon storage tanks 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, and 222 located in the Western Jewell Containment Area. The conservation vents are set at 0.5 psi and routed to the vent condenser to reduce emissions; this also controls the filling losses.	2009	FGTKS, FGFUELBLEND
EU9600BLEND	9,600 gallon blending tanks 229, 231, 232, 233, 234 and 235 located in the existing tank farm. The conservation vents are set at 0.5 psi and routed to the vent condenser to reduce emissions; this also controls the filling losses.	2010	FGBLEND, FGFUELBLEND
EUNEBLEND	1,000 gallon blending tank 661 and 1,800 gallon blending tanks 662 and 663 located in the northeast corner of the main tank farm. The conservation vents are set at 0.5 psi and routed to the vent condenser to reduce emissions; this also controls the filling losses.	2008	FGBLEND, FGFUELBLEND
EU515BLEND	Four 7,500 gallon blending tanks 92, 94, 95 & 96 located in the 515 building.	2010	FGBLEND, FGFUELBLEND
EUTOTE&DRUM	Tote and drum filling of diesel fuel products from FGFUELBLEND. Emissions are released through the drum packaging local exhaust system.	2008	FGFUELBLEND

Emission Unit ID	Emission Unit Description (Including Process Equipment & Control Device(s))	Installation Date / Modification Date	Flexible Group ID
EUTANKER	Tanker truck filling. Emissions from filling trucks with fuel blends with a Reid vapor pressure equal to or greater than 4.0 psia and which are used for automotive fuel are routed to the vent condenser.	2009	FGFUELBLEND
EU2000BLEND	Three 2,000 gallon blending tanks (tank numbers 255, 256, and 257) located in Fill House #4 on the 731 block. The conservation vents are set at 2.5 psig pressure and 1.5 inches of water vacuum. The tanks vent to a common drop-out tank outside of Fill House #6. Truck transfers into and out of the tanks are controlled by a vapor balance system.	2016	FGSPECIALTY
EU33KTKS	33,000 gallon storage tanks 203, 204, 205, 206, 207, and 208 located west of the 515 Building. The tanks are connected to a closed-vent system at the outlet of the conservation vent. The conservation vents are set at 12.5 psi and routed to a drop out tank (receiver) and fuel condenser to control emissions from filling and breathing losses.	2016	FGTKS, FGFUELBLEND

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.

EUTank70 EMISSION UNIT CONDITIONS
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DESCRIPTION

101-cubic meter capacity storage tank used to store product and subject to 40 CFR Part 60, Subpart Kb.

Flexible Group ID: FGTANKFARM

POLLUTION CONTROL EQUIPMENT

Conservation vents

I. EMISSION LIMIT(S)

NA

II. MATERIAL LIMIT(S)

NA

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

1. The permittee shall keep a record of the dimensions of EUTANK70 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 60.116b(b), 40 CFR 60.116b(a))**
2. When storing a liquid with a maximum true vapor pressure greater than or equal to 15.0 kPa, the permittee shall maintain a record of the Volatile Organic Liquid (VOL) stored in each tank, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. The records required per this condition shall be kept on file for at least two years. **(40 CFR 60.116b(c))**
3. The permittee shall monitor operating information for EUTANK70 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 records of all required information on file at the facility and make them available to the Department upon request. **(40 CFR Part 60 Subparts A & Kb)**

VII. REPORTING

1. When storing a liquid with a maximum true vapor pressure that is normally less than 27.6 kPa, the permittee shall notify the AQD District Supervisor within 30 days when the maximum true vapor pressure of the liquid exceeds 27.6 kPa. **(40 CFR 60.116b(d))**

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 EUTANK70. **(40 CFR Part 60 Subparts A & Kb)**

Footnotes:

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

EUTOTE&DRUM EMISSION UNIT CONDITIONS

DESCRIPTION

Tote and drum filling of diesel fuel products from FGFUELBLEND. Emissions are released through the drum packaging local exhaust system.

Flexible Group ID: FGFUELBLEND

POLLUTION CONTROL EQUIPMENT

NA

I. EMISSION LIMIT(S)

NA

II. MATERIAL LIMIT(S)

NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. Within 60 days of issuance of Permit to Install No. 64-18A, the permittee shall develop and implement written procedures acceptable to the AQD District Supervisor to minimize emissions from EUTOTE&DRUM, including line draining, spill prevention, and spill clean-up. **(R 336.1225, R 336.1702(a))**

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 in a format acceptable to the AQD District Supervisor within 60 days of the last day of each calendar month, unless otherwise specified in any recordkeeping, reporting or notification special condition. **(R 336.1225, R 336.1702(a))**
2. The permittee shall keep, in a satisfactory manner, monthly and 12-month rolling time period records of the amount and vapor pressure of each product group loaded in EUTOTE&DRUM. The permittee shall assign each individual product to a product group that has a vapor pressure at least as high as the individual product. 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))**
3. The permittee shall calculate the VOC emission rate from EUTOTE&DRUM monthly, for the preceding 12-month rolling time period, using a method acceptable to the AQD District Supervisor. 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))**

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:

Stack & Vent ID	Maximum Exhaust Diameter / Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
1. SVDRUM	12 ¹	29.5 ¹	R 336.1225

IX. OTHER REQUIREMENT(S)

NA

Footnotes:

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

EUTANKER EMISSION UNIT CONDITIONS

DESCRIPTION

Tanker truck filling. Emissions from filling trucks with fuel blends with a Reid vapor pressure equal to or greater than 4.0 psia and which are used for automotive fuel are routed to the vent condenser.

Flexible Group ID: FGFUELBLEND

POLLUTION CONTROL EQUIPMENT

Vent condenser system (CDFUELSCOND) and vapor balance system for transfers to tanker trucks of fuel blends with a Reid vapor pressure equal to or greater than 4.0 psia and which are used for automotive fuel.

I. EMISSION LIMIT(S)

NA

II. MATERIAL LIMIT(S)

NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee shall not load any delivery vessel with any fuel blend which has a Reid vapor pressure equal to or greater than 4.0 psia and which is used for automotive fuel unless all provisions of Rule 627 and Rule 705 are met. **(R 336.1225, R 336.1627, R 336.1705)**

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. The permittee shall not load any tanker truck with any fuel blend which has a Reid vapor pressure equal to or greater than 4.0 psia and which is used for automotive fuel unless the vent condenser system is installed, maintained, and operated in a manner satisfactory to the AQD District Supervisor. Satisfactory operation includes preventing flow from EUTANKER from entering any other equipment connected to the vent condenser system and maintaining the vent condenser exhaust gas temperature at 42°F or less, based on a one-hour average, unless permittee can demonstrate that the higher temperature is due to low flow or reverse flow through the vent condenser. If the exhaust temperature exceeds 42°F due to low flow or reverse flow through the vent condenser, proper operation shall be demonstrated by showing that the glycol outlet temperature from the vent condenser is 30°F or less. **(R 336.1225, R 336.1702(a), R 336.1705)**
2. The permittee shall load any fuel blend which has a Reid vapor pressure of 4.0 psia or greater which is used as a fuel for internal combustion engines into cargo tanks utilizing submerged filling. The submerged fill pipe shall be not more than 6 inches from the bottom of the cargo tank. **(R 336.1225, R 336.1705, 40 CFR 63.11088(a))**
3. The permittee shall not fill any delivery vessel with any fuel blend which has a Reid vapor pressure equal to or greater than 4.0 psia and which is used for automotive fuel unless the vapor balance system is installed, maintained and operated in a manner satisfactory to the AQD District Supervisor as follows:
 - a) The permittee shall connect the vapor-tight collection line to the delivery vessel before any material is transferred.
 - b) The permittee shall close the vapor-tight collection line upon disconnection so as to prevent release of 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 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. Within 60 days of issuance of Permit to Install No. 64-18A, the permittee shall update and implement 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 336.1225, R 336.1705)**

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 install, calibrate, maintain and operate in a manner satisfactory to the AQD District Supervisor, devices to monitor and record the vent condenser exhaust gas temperature and the vent condenser glycol exit temperature on a continuous basis. Satisfactory operation includes following manufacturer's specifications unless the AQD District Supervisor has approved an alternative. For this condition, continuous means monitor and record either an instantaneous data value at least once every 15 minutes or an average value for intervals of 15 minutes or less. **(R 336.1225, R 336.1702(a), R 336.1705)**
2. The permittee shall complete all required calculations in a format acceptable to the AQD District Supervisor within 60 days of the last day of each calendar month, unless otherwise specified in any recordkeeping, reporting or notification special condition. **(R 336.1225, R 336.1702(a), R 336.1705)**
3. The permittee shall keep, in a manner satisfactory to the AQD District Supervisor, monthly and 12-month rolling time period records of the amount and vapor pressure of each product group loaded in EUTANKER. The permittee shall assign each individual product to a product group that has a vapor pressure at least as high as the individual product. 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 calculate the VOC emission rate from EUTANKER monthly, for the preceding 12-month rolling time period, using a method acceptable to the AQD District Supervisor. 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))**
5. The permittee shall keep, in a manner satisfactory to the AQD District Supervisor, records of the vent condenser exhaust gas temperature. 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), R 336.1705)**

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:

Stack & Vent ID	Maximum Exhaust Diameter / Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
1. SVFuelsCond	3 ¹	29.5 ¹	R 336.1225

IX. OTHER REQUIREMENT(S)

NA

Footnotes:

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

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
FGNSPSLargeTanks	Storage tanks used to store product. Each tank in this flexible group has capacity between 75 and 151 cubic meters and is subject to 40 CFR Part 60, Subpart Kb.	EUTank69, EUTank71, EUTank78, EUTank79, EUTank80, EUTank81
FGTANKFARM	Tank farm operation used for several purposes including blending raw materials, as well as storing products and wastes of the remanufacturing process. Tanks included in this emission unit are ID numbers 1-40, 52-71, 77-81, 90 and 91. Also included in this flexible group is the activity of filling 1, 2, 5 gallon pails, 55 gallon drums, totes, and tankers.	EUTank70, EUTANKS, EUDRUMFILLING, EUTOTEFILLING, EUTANKERFILLING
FGBOILERS	Two natural gas-fired Cleaver Brooks boilers, each with a design heat input rating of 29.3 million Btu's per hour.	EUBOILER1, EUBOILER2
FGREMANUFACTURE	Two thin film evaporators used to recycle a variety of blended solvents, and one distillation unit for processing product from the thin film evaporators and for remanufacturing incoming material.	EUOLDEVAPORATOR, EUNEWEVAPORATOR, EUDISTILLATION,
FGSPECIALTY	Specialty manufacturing processes consisting of storage totes, dispensers, agitators, mixers, and a baghouse, also including specialty products manufacturing including water-based cleaners, solvent-based cleaners, booth coatings, strippers, and fuel blending. Equipment in this flexible group is not authorized to process material that is hazardous waste under state or federal law.	EU2000BLEND, EUSPECIALTY
FGTKS	Storage tanks used in fuel blending expansion.	EU515TKS, EU33KTKS, EUHIVPTKS, EU9600TKS
FGBLEND	Blend tanks used in fuel blending expansion.	EU9600BLEND, EUNEBLEND, EU515BLEND
FGFUELBLEND	Fuel and solvent blending process related to fuel and solvent blending operations. Equipment in this flexible group is not authorized to process material that is hazardous waste under state or federal law.	EU515TKS, EU33KTKS, EUHIVPTKS, EU9600TKS, EU9600BLEND, EUNEBLEND, EU515BLEND, EUTOTE&DRUM, EUTANKER

FGNSPSLargeTanks FLEXIBLE GROUP CONDITIONS

DESCRIPTION

Storage tanks used to store product. Each tank in this flexible group has capacity between 75 and 151 cubic meters and is subject to 40 CFR Part 60, Subpart Kb.

Emission Unit: EUTank69, EUTank71, EUTank78, EUTank79, EUTank80, EUTank81

POLLUTION CONTROL EQUIPMENT

Condenser system: CDFUELSCOND

I. EMISSION LIMIT(S)

NA

II. MATERIAL LIMIT(S)

NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee shall not operate any tank in FGNSPSLargeTanks unless the tank is equipped with a closed vent system and control device (CDFUELSCOND) meeting the specification of 40 CFR 60.112b. **(R 336.1702(b), R 336.1910, 40 CFR 60.112b)**

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

1. The permittee shall keep a record 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 60.116b(b), 40 CFR 60.116b(a))**
2. The permittee shall monitor operating information for each storage tank in FGNSPSLargeTanks 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 records of all required information on file at the facility and make them available to the Department upon request. **(40 CFR Part 60 Subparts A & Kb)**

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 storage tank in FGNSP Large Tanks. **(40 CFR Part 60 Subparts A & Kb)**

Footnotes:

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

**FGTANKFARM
 FLEXIBLE GROUP CONDITIONS**

DESCRIPTION

Tank farm operation used for several purposes including blending raw materials, as well as storing products and wastes of the remanufacturing process. Tanks included in this emission unit are ID numbers 1-40, 52-71, 77-81, 90 and 91. Also included in this flexible group is the activity of filling 1, 2, 5 gallon pails, 55 gallon drums, totes, and tankers.

Emission Unit: EUTank69, EUTank70, EUTank71, EUTank78, EUTank79, EUTank80, EUTank81, EUTANKS, EUDRUMFILLING, EUTOTEFILLING, EUTANKERFILLING

POLLUTION CONTROL EQUIPMENT

Conservation vents and vent condenser system (CDFUELSCOND) for Tanks 2, 3, 6, 7, 8, 9, 10, and 11

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period / Operating Scenario	Equipment	Monitoring / Testing Method	Underlying Applicable Requirements
1. VOC	22.0 tpy	12-month rolling time period as determined at the end of each calendar month	FGTANKFARM	SC VI.1, VI.2, VI.3	R 336.1205(3), R 336.1702(a)
2. Acetone	12.5 tpy ¹	12-month rolling time period as determined at the end of each calendar month	FGTANKFARM	SC VI.1, VI.2, VI.3	R 336.1224

II. MATERIAL LIMIT(S)

Material	Limit	Time Period / Operating Scenario	Equipment	Monitoring / Testing Method	Underlying Applicable Requirements
1. Total throughput*	58,124,000 gallons per year	12-month rolling time period as determined at the end of each calendar month	FGTANKFARM	SC VI.4	R 336.1205(1)(a)

*Total throughput consists of the sum of the following quantities:

- The amount of remanufacturing material received
- The amount of remanufacturing material reclaimed
- The amount of tank farm materials received
- The amount of material blended
- The amount of material packaged for shipment (product, not waste)
- The amount of waste produced.

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. For each of Tank 2, 3, 6, 7, 8, 9, 10, and 11, the permittee shall not operate the tank unless the tank's conservation vent, the closed vent system, and the vent condenser system (CDFUELSCOND) are installed, maintained, and operated in a manner satisfactory to the AQD District Supervisor. Satisfactory operation of the conservation vents, the closed vent system, and the vent condenser system (CDFUELSCOND) includes the following:
 - a) For the conservation vents: pressure and vacuum settings of at least 12.5 psig.
 - b) For the closed vent system and the vent condenser system (CDFUELSCOND), both:

- i. Operating the closed vent system and vent condenser system (CDFUELSCOND) as stated in the operating plan approved by the AQD District Supervisor, as required by FGFUELBLEND SC III.3
- ii. Monitoring the parameters of the closed vent system and vent condenser system (CDFUELSCOND) as stated in the operating plan approved by the AQD District Supervisor, as required by FGFUELBLEND SC III.3.

(R 336.1224, R 336.1702(a), 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 monitor, in a manner satisfactory to the AQD District Supervisor, the amount of each material type received in FGTANKFARM on a monthly basis. **(R 336.1224, R 336.1702(a))**
- 2. The permittee shall keep, in a manner satisfactory to the AQD District Supervisor, monthly records of the amount of each material type received at and shipped from FGTANKFARM. **(R 336.1224, R 336.1702(a))**
- 3. The permittee shall calculate the VOC and acetone emission rates from FGTANKFARM monthly, for the preceding 12-month rolling time period, using a method acceptable to the AQD District Supervisor. **(R 336.1224, R 336.1702(a))**
- 4. The permittee shall keep, in a satisfactory manner, monthly and 12-month rolling time period records of the material throughput, in gallons, for FGTANKFARM each month and 12-month rolling time period. The material throughput shall be calculated by totaling the following quantities:
 - a) The amount of remanufacturing material received
 - b) The amount of remanufacturing material reclaimed
 - c) The amount of tank farm materials received
 - d) The amount of material blended
 - e) The amount of material packaged for shipment (product, not waste)
 - f) The amount of waste producedThe permittee shall keep all records on file at the facility and make them available to the Department upon request. **(R 336.1205(1)(a))**
- 5. The permittee shall keep records of the measured values of the parameters monitored under the operating plan approved by the AQD District Supervisor, as required by FGFUELBLEND SC VI.9. **(R 336.1910)**

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:

Stack & Vent ID	Maximum Exhaust Diameter / Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
1. SVFuelsCond	3	29.5	40 CFR 52.21(c)&(d)

IX. OTHER REQUIREMENT(S)

NA

Footnotes:

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

FGBOILERS FLEXIBLE GROUP CONDITIONS
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DESCRIPTION

Two natural gas-fired Cleaver Brooks boilers, each with a design heat input rating of 29.3 million Btu's per hour.

Emission Unit: EUBOILER1, EUBOILER2

POLLUTION CONTROL EQUIPMENT

NA

I. EMISSION LIMIT(S)

NA

II. MATERIAL LIMIT(S)

NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee shall only use pipeline natural gas as defined in 40 CFR 72.2. **(R 336.1205)**

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. As an alternative to meeting the daily recordkeeping requirement that the permittee shall record and maintain records of the amount of each fuel combusted during each operating day, per paragraph 40 CFR 60.48c(g)(1) of § 60.48c, the owner or operator of an affected facility that combusts only natural gas, wood, fuels using fuel certification per § 60.48c(f) to demonstrate compliance with the SO₂ standard, fuels not subject to an emissions standard (excluding opacity), or a mixture of these fuels may elect to record and maintain records of the amount of each fuel combusted during each calendar month. **(40 CFR 60.48c(g)(2), R 336.1205)**

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:

Stack & Vent ID	Maximum Exhaust Diameter / Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
1. SVBOILER1	24	30	40 CFR 52.21(c)&(d)
2. SVBOILER2	24	30	40 CFR 52.21(c)&(d)

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 Dc, as they apply to each boiler in FGBOILERS. **(40 CFR Part 60 Subparts A & Dc)**

Footnotes:

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

**FGREMANUFACTURE
 FLEXIBLE GROUP CONDITIONS**

DESCRIPTION

Two thin film evaporators used to recycle a variety of blended solvents, and one distillation unit for processing product from the thin film evaporators and for remanufacturing incoming material.

Emission Unit: EUOLDEVAPORATOR, EUNEWEVAPORATOR, EUDISTILLATION

POLLUTION CONTROL EQUIPMENT

CDREMANCOND consists of two vacuum condensers, one associated with EUOLDEVAPORATOR/EUDISTILLATION and one associated with EUNEWEVAPORATOR. These emission control condensers both exhaust to CDREMANFINALCOND.

CDREMANFINALCOND serves as the final condenser for EUOLDEVAPORATOR, EUNEWEVAPORATOR, and EUDISTILLATION.

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period / Operating Scenario	Equipment	Monitoring / Testing Method	Underlying Applicable Requirements
1. VOC	3.5 pounds per hour	Daily average determined by dividing daily emissions by hours of operation.	EUOLDEVAPORATOR, EUNEWEVAPORATOR, EUDISTILLATION	SC VI.2, VI.3, VI.4, VI.5	R 336.1702(a)
2. VOC	12.1 tpy	Twelve month rolling time period as determined at the end of each calendar month.	EUOLDEVAPORATOR, EUNEWEVAPORATOR, EUDISTILLATION	SC VI.6, VI.7, VI.8	R 336.1205(3), R 336.1702(a)

II. MATERIAL LIMIT(S)

NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee shall not operate FGREMANUFACTURE unless a malfunction abatement plan (MAP) as described in Rule 911(2), for operating CDREMANCOND and CDREMANFINALCOND, has been submitted within 90 days of issuance of PTI No. 64-18A, and is implemented and maintained. If at any time the MAP fails to address or inadequately addresses an event that meets the characteristics of a malfunction, the permittee shall amend the MAP within 45 days after such an event occurs. The permittee shall also amend the MAP within 45 days if new equipment is installed or upon request from the AQD District Supervisor. The permittee shall submit the MAP and any amendments to the MAP to the AQD District Supervisor for review and approval. If the AQD does not notify the permittee within 90 days of submittal, the MAP or amended MAP shall be considered approved. Until an amended plan is approved, the permittee shall implement corrective procedures or operational changes to achieve compliance with all applicable emission limits. **(R 336.1702(a), R 336.1910, R 336.1911)**
2. The permittee shall not process any material in FGREMANUFACTURE unless CDREMANFINALCOND is installed, maintained, and operated in a manner satisfactory to the AQD District Supervisor. Satisfactory operation of CDREMANFINALCOND includes the following:
 - a) Following all provisions of the MAP required by SC III.1 that affect satisfactory operation of CDREMANFINALCOND.

- b) The final exhaust temperature shall not exceed 54 degrees Fahrenheit, based on a one-hour average, unless the permittee can demonstrate that the higher temperature is due to low flow or reverse flow through CDREMANFINALCOND.
- c) If the final exhaust temperature exceeds 54 degrees Fahrenheit, satisfactory operation shall be demonstrated by showing that the chilled-water outlet temperature from CDREMANFINALCOND is below 37 degrees Fahrenheit.

(R 336.1205(1)(a), R 336.1910)

3. When processing material in FGREMANUFACTURE, the final exhaust temperature of CDREMANFINALCOND shall not exceed 42 degrees Fahrenheit based on a daily average. **(R 336.1205(1)(a), R 336.1910)**
4. The permittee shall not process material in FGREMANUFACTURE unless CDREMANCOND is installed, maintained, and operated in a satisfactory manner. Satisfactory operation of CDREMANCOND includes installation, maintenance, and operation consistent with the December 4, 2001, design analysis and supporting calculations required to be kept on file by SC VI.9. CDREMANCOND shall be designed and operated to achieve, in combination with CDREMANFINALCOND, 95 percent or greater recovery, on a weight-basis, of the design amount of total organic compounds (TOC), less methane and ethane, contained in FGREMANUFACTURE's vent streams. **(R 336.1702(a))**
5. The permittee shall not process solvents containing more than 5% dichloromethane more than 72 hours per calendar month.¹ **(R 336.1225)**

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. The permittee shall route all vent streams from FGREMANUFACTURE through a closed-vent system to a control device that meets the requirements of SC III.2, III.3, and III.4. **(R 336.1205(1)(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 make all records available to the Department upon request. The permittee shall keep at least the most recent 2 years of data on site. The remaining data may be retained off site on paper or in computer-readable format. **(R 336.1702(a), R 336.1910)**
2. The permittee shall install, calibrate, maintain and operate, in compliance with the approved MAP, a continuous monitoring system to record the exhaust gas temperature of CDREMANFINALCOND. **(R 336.1910)**
3. The permittee shall install, calibrate, maintain and operate, in compliance with the approved MAP, a continuous monitoring system to record the chilled water outlet temperature of CDREMANFINALCOND when this temperature is being used to demonstrate satisfactory operation of CDREMANFINALCOND. **(R 336.1910)**
4. The permittee shall record the exhaust gas temperature of CDREMANFINALCOND using a continuous recorder. **(R 336.1910)**
5. The permittee shall record the chilled water outlet temperature of CDREMANFINALCOND using a continuous recorder when this temperature is being used to demonstrate satisfactory operation of CDREMANFINALCOND. **(R 336.1910)**
6. The permittee shall monitor and keep a record of the daily hours of operation of FGREMANUFACTURE. **(R 336.1702(a))**

7. The permittee shall keep, in a manner satisfactory to the AQD District Supervisor, monthly records of the quantities and composition of all materials processed in FGREMANUFACTURE. **(R 336.1702(a))**
8. The permittee shall calculate the VOC emission rate from FGREMANUFACTURE monthly, for the preceding 12-month rolling time period, using a method acceptable to the AQD District Supervisor. **(R 336.1702(a))**
9. The permittee shall keep, in a manner satisfactory to the AQD District Supervisor, a copy of the December 4, 2001, design analysis and supporting calculations for both the VOC hourly emission rate and the efficiency of CDREMANCOND and CDREMANFINALCOND combined. This record shall be kept on file for the life of FGREMANUFACTURE and made available to the Department upon request. **(R 336.1702(a))**
10. Unless otherwise specified, "continuous" monitoring systems used for the closed-vent system shall monitor and record either an instantaneous data value at least once every 15 minutes or an average value for intervals of 15 minutes or less. **(R 336.1910)**
11. For each calendar month, the permittee shall keep a record of the number of hours during which solvents containing more than 5% dichloromethane were processed in FGREMANUFACTURE.¹ **(R 336.1225)**

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:

Stack & Vent ID	Maximum Exhaust Diameter / Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
1. SVREMANUFACTURE	4 ¹	37 ¹	R 336.1225

IX. OTHER REQUIREMENT(S)

NA

Footnotes:

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

**FGSPECIALTY
 FLEXIBLE GROUP CONDITIONS**

DESCRIPTION

Specialty manufacturing processes consisting of storage totes, dispensers, agitators, mixers, and a baghouse, also including specialty products manufacturing including water-based cleaners, solvent-based cleaners, booth coatings, strippers, and fuel blending located in Fill Houses 3, 4, and 6 and in the laboratory, all on the 731 block. Equipment in this flexible group is not authorized to process material that is hazardous waste under state or federal law.

Emission Unit: EU2000BLEND, EUSPECIALTY

POLLUTION CONTROL EQUIPMENT

EUSPECIALTY:

- CDBAGHOUSE for Fill House #6
- Vapor balance when loading materials with Reid vapor pressure of 4.0 or greater

EU2000BLEND:

- Conservation vents
- Vapor balance system for truck transfers into and out of the blending tanks

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period / Operating Scenario	Equipment	Monitoring / Testing Method	Underlying Applicable Requirements
1. VOC	8.0 tpy	Twelve month rolling time period as determined at the end of each calendar month.	FGSPECIALTY	SC VI.3	R 336.1205(3), R 336.1702(a)
2. Particulate Matter	0.10 pound per 1,000 pounds of exhaust gas (calculated on a dry gas basis)	Hourly	FGSPECIALTY	SC VI.4	R 336.1331

II. MATERIAL LIMIT(S)

Material	Limit	Time Period / Operating Scenario	Equipment	Monitoring / Testing Method	Underlying Applicable Requirements
1. Fuel produced	72,000 gallons per year	Twelve month rolling time period as determined at the end of each calendar month.	EU2000BLEND	SC VI.5	R 336.1225, R 336.1702(a)
2. Total throughput	4,378,250 gallons per year	Twelve month rolling time period as determined at the end of each calendar month.	FGSPECIALTY	SC VI.10	R 336.1205(1)(a)

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee shall not operate FGSPECIALTY unless all equipment covers are installed, maintained, and operated in a manner satisfactory to the AQD District Supervisor. **(R 336.1702(a), R 336.1910)**

2. The permittee shall not perform steps of the manufacturing processes associated with FGSPECIALTY that could result in particulate emissions unless CDBAGHOUSE is installed, maintained, and operated in a satisfactory manner. Satisfactory operation means that the system shall be installed and maintained in accordance with manufacturer's specifications, which includes replacing the filter cartridges when a differential pressure of approximately 5 to 6 inches of water column is reached and increasing cleaning frequency no longer reduces pressure drop below 6 inches of water column. **(R 336.1331, R 336.1910)**
3. The permittee shall not receive, blend, or load-out fuel blends which have a Reid vapor pressure of 4.0 psia or greater which are used as a fuel for internal combustion engines unless all applicable provisions of Rule 627, Rule 704, Rule 705, and 40 CFR Part 63 Subpart BBBB, National Emissions Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities, are met. **(R 336.1627, R 336.1704, R 336.1705, 40 CFR Part 63 Subpart BBBB)**
4. The permittee shall perform a monthly leak inspection of all equipment in gasoline service according to the requirements specified in 40 CFR 63.11089(a) through (d). **(40 CFR 63.11089)**

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. The permittee shall not operate any tank in EU2000BLEND unless the conservation vents are installed, maintained, and operated in a satisfactory manner. Satisfactory operation includes a pressure setting of at least 2.5 psig and a vacuum setting of 1.5 inches of water. **(R 336.1225, R 336.1702(a))**
2. The permittee shall not transfer any material which has a Reid vapor pressure of 4.0 psia or greater which is used as a fuel for internal combustion engines between any tanker truck and any tank in EU2000BLEND unless the vapor balance system is installed, maintained, and operated in a manner satisfactory to the AQD District Supervisor. **(R 336.1225, R 336.1702(a))**
3. The permittee shall not transfer any material which has a Reid vapor pressure of 4.0 psia or greater which is used as a fuel for internal combustion engines between any tanker truck and any tank in EUSPECIALTY unless the vapor balance system is installed, maintained, and operated in a manner satisfactory to the AQD District Supervisor. **(R 336.1205(1)(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 complete all required calculations in a format acceptable to the AQD District Supervisor within 60 days of the last day of the calendar month, for the previous calendar month, unless otherwise specified in any monitoring/recordkeeping special condition. **(R 336.1225, R 336.1331, R 336.1702(a))**
2. The permittee shall monitor and keep a monthly record, in a manner satisfactory to the AQD District Supervisor, of the amount of each product type produced in FGSPECIALTY on a monthly basis. The permittee shall keep all records on file at the facility and make them available to the Department upon request. **(R 336.1702(a))**
3. The permittee shall calculate and record the VOC emission rate from FGSPECIALTY monthly, for the preceding 12-month rolling time period, using a method acceptable to the AQD District Supervisor. The permittee shall keep all records on file at the facility and make them available to the Department upon request. **(R 336.1702(a))**
4. The permittee shall monitor the operation of CDBAGHOUSE and keep a record of monitoring results in a manner satisfactory to the AQD District Supervisor. Monitoring shall consist of visual inspection of CDBAGHOUSE on a weekly basis. Records shall include a copy of all manufacturers' specifications and the following minimum weekly inspection records:

- a) The date and time of inspection
- b) The name and signature of the inspector
- c) A description of any repairs or replacements made
- d) A description of any corrective actions taken
- e) Pressure drop readings

The permittee shall keep all records on file at the facility and make them available to the Department upon request. **(R 336.1331, R 336.1910)**

5. The permittee shall keep, in a manner satisfactory to the AQD District Supervisor, monthly and 12-month rolling time period records of the throughput, in gallons, of fuels produced in EU2000BLEND. 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))**
6. The permittee shall keep, in a manner satisfactory to the AQD District Supervisor, daily records of the gallons of fuel blends loaded out in FGSPECIALTY which have a Reid vapor pressure of 4.0 psia or greater which are used as a fuel for internal combustion engines. The permittee shall keep all records on file at the facility and make them available to the Department upon request. **(40 CFR Part 63 Subpart BBBBBB)**
7. The permittee shall perform a monthly leak inspection of all equipment in gasoline service according to the requirements specified in 40 CFR 63.11089(a) through (d). **(40 CFR 63.11089)**
8. The permittee shall keep records for the leak inspections as required by 40 CFR 63.11094(d) and (e). **(40 CFR 63.11094(d) and (e))**
9. The permittee shall keep, in a manner satisfactory to the AQD District Supervisor, monthly and 12-month rolling time period records of the following quantities, in gallons, for each calendar month.
 - a) Fuel produced for EU2000BLEND
 - b) Total throughput for FGSPECIALTY

The permittee shall keep all records on file at the facility and make them available to the Department upon request. **(R 336.1205(1)(a))**

VII. REPORTING

1. The permittee shall submit notifications and reports as required by 40 CFR Part 63 Subpart BBBBBB. **(40 CFR Part 63 Subpart BBBBBB)**
2. The permittee shall notify the Department if a change in land use occurs for property classified as industrial or as a public roadway, where this classification was relied upon to demonstrate compliance with Rule 225(1). The permittee shall submit the notification to the AQD District Supervisor, within 30 days of the actual land use change. Within 60 days of the land use change, the permittee shall submit to the AQD District Supervisor a plan for complying with the requirements of Rule 225(1). The plan shall require compliance with Rule 225(1) no later than one year after the due date of the plan submittal. **(R 336.1225(4))**

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:

Stack & Vent ID	Maximum Exhaust Diameter / Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
1. SV2000Blend	3.9	20	R 336.1225 40 CFR 52.21(c)&(d)

IX. OTHER REQUIREMENT(S)

NA

Footnotes:

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

**FGTKS
 FLEXIBLE GROUP CONDITIONS**

DESCRIPTION

Storage tanks used in fuel blending expansion.

Emission Unit: EU515TKS, EU33KTKS, EUHIVPTKS, EU9600TKS

POLLUTION CONTROL EQUIPMENT

EU515TKS: Conservation vents
 EU33KTKS, EUHIVPTKS, EU9600TKS: CDFUELSCOND

I. EMISSION LIMIT(S)

NA

II. MATERIAL LIMIT(S)

1. The permittee shall only store cyclohexane and materials having a true vapor pressure of not more than 1.5 psia at actual storage conditions in EU515TKS. **(R 336.1225, R 336.1702(a))**

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee shall not load any stationary vessel with any material which has a Reid vapor pressure equal to or greater than 4.0 psia and which is used for automotive fuel unless all provisions of Rule 704 are met. **(R 336.1225, R 336.1704)**

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. The permittee shall not operate the emission units listed below unless the conservation vents, the emission controls, and the tank filling controls, as required below, are installed, maintained, and operated in a satisfactory manner. Satisfactory operation includes preventing flow from any storage tank from entering any other equipment connected to the CDFUELSCOND system and maintaining the CDFUELSCOND exhaust gas temperature at 42°F or less, when FGFUELBLEND is operating and when a tank is being filled, based on a one-hour average, unless permittee can demonstrate that the higher temperature is due to low flow or reverse flow through CDFUELSCOND. If the exhaust temperature exceeds 42°F due to low flow or reverse flow through CDFUELSCOND, proper operation shall be demonstrated by showing that the glycol outlet temperature from CDFUELSCOND is 30°F or less. **(R 336.1225, R 336.1702(a), R 336.1704)**

	Emission Unit	Minimum conservation vent setting (psig)	Emission controls	Tank filling control	Applicable Requirement
a)	EU515TKS	0.5	N/A	N/A	R 336.1225 R 336.1702(a)
b)	EU33KTKS	12.5	CDFUELSCOND system	CDFUELSCOND system	R 336.1225 R 336.1702(a) R 336.1704
c)	EUHIVPTKS	10	CDFUELSCOND system	CDFUELSCOND system	R 336.1225 R 336.1702(a) R 336.1704
d)	EU9600TKS	0.5	CDFUELSCOND system	CDFUELSCOND system	R 336.1225 R 336.1702(a) R 336.1704

2. The permittee shall equip each tank storing any material which has a Reid vapor pressure of 4.0 psia or greater which is used as a fuel for internal combustion engines with a fixed roof that is mounted to the storage tank in a stationary manner and maintain all openings in a closed position at all times when not in use. **(R 336.1225, R 336.1702(a), 40 CFR 63.11087(a))**
3. The permittee shall not load any material which has a Reid vapor pressure equal to or greater than 4.0 psia and which is used for automotive fuel into any tank of more than 2000 gallons capacity unless the tank is equipped with a permanent submerged fill pipe and the CDFUELSCOND system is installed, maintained and operated in a satisfactory manner as follows:
 - a) The permittee shall connect the vapor-tight collection line before any material is transferred.
 - b) The permittee shall close the vapor-tight collection line upon disconnection so as to prevent release of vapor.

Within 90 days of the issuance of PTI No. 64-18A, the permittee shall update the written procedures for the operation of all the control measures described above for each portion of FGTKS and shall keep such procedures available in an accessible location near the storage tank. **(R 336.1225, R 336.1704)**

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 within 60 days of the last day of each calendar month, unless otherwise specified in any recordkeeping, reporting or notification special condition. **(R 336.1225, R 336.1702(a))**
2. The permittee shall install, calibrate, maintain, and operate, in a manner satisfactory to the AQD District Supervisor, devices to monitor and record the CDFUELSCOND exhaust gas temperature and the vent condenser glycol exit temperature on a continuous basis. For this condition, continuous means monitor and record either an instantaneous data value at least once every 15 minutes or an average value for intervals of 15 minutes or less. **(R 336.1225, R 336.1702(a), R 336.1704)**
3. The permittee shall keep, in a manner satisfactory to the AQD District Supervisor, monthly and 12-month rolling time period records of raw material purchases and production to determine the amount of each material loaded into FGTKS. 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 calculate the VOC emission rate from FGTKS monthly, for the preceding 12-month rolling time period, using a method acceptable to the AQD District Supervisor. 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))**
5. The permittee shall keep, in a manner satisfactory to the AQD District Supervisor, records of the CDFUELSCOND exhaust gas temperature, as required by SC VI.2. 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), R 336.1704)**

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:

Stack & Vent ID	Maximum Exhaust Diameter / Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
1. SVFuelsCond	3	29.5	R 336.1225, 40 CFR 52.21(c) & (d)

IX. OTHER REQUIREMENT(S)

NA

Footnotes:

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

**FGBLEND
 FLEXIBLE GROUP CONDITIONS**

DESCRIPTION

Blend tanks used in fuel blending expansion.

Emission Unit: EU9600BLEND, EUNEBLEND, EU515BLEND

POLLUTION CONTROL EQUIPMENT

EU515BLEND: Conservation vents

EU9600BLEND, EUNEBLEND: Vent condenser system (CDFUELSCOND).

I. EMISSION LIMIT(S)

NA

II. MATERIAL LIMIT(S)

1. The permittee shall only produce blends having a true vapor pressure of not more than 1.5 psia at actual storage conditions in EU515BLEND. **(R 336.1225, R 336.1702(a))**

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee shall not load any material, other than cyclohexane, having a true vapor pressure of more than 1.5 psia at actual storage conditions, into an EU515BLEND blending tank. When a multicomponent material is loaded, the true vapor pressure criterion shall be applied to the total vapor pressure of the multicomponent material. **(R 336.1225, R 336.1702(a))**

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. The permittee shall not operate the emission units listed below unless the conservation vents, the emission controls, and the tank filling controls, as required below, are installed, maintained, and operated in a satisfactory manner. Satisfactory operation includes preventing flow from any blend tank from entering any other equipment connected to the CDFUELSCOND system and maintaining the CDFUELSCOND exhaust gas temperature at 42°F or less, when FGFUELBLEND is operating and when a tank is being filled, based on a one-hour average, unless the permittee can demonstrate that the higher temperature is due to low flow or reverse flow through CDFUELSCOND. If the exhaust temperature exceeds 42°F due to low flow or reverse flow through CDFUELSCOND, proper operation shall be demonstrated by showing that the glycol outlet temperature from CDFUELSCOND is 30°F or less. **(R 336.1225, R 336.1702(a))**

	Emission Unit	Minimum conservation vent setting (psi)	Emission controls	Tank filling control	Applicable Requirement
a)	EU9600BLEND	0.5	CDFUELSCOND system	CDFUELSCOND system	R 336.1225 R 336.1702(a)
b)	EUNEBLEND	0.5	CDFUELSCOND system	CDFUELSCOND system	R 336.1225 R 336.1702(a)
c)	EU515BLEND	N/A	N/A	N/A	R 336.1225 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 complete all required calculations in a format acceptable to the AQD District Supervisor within 60 days of the last day of each calendar month, unless otherwise specified in any recordkeeping, reporting or notification special condition. (R 336.1225, R 336.1702(a))
2. The permittee shall install, calibrate, maintain, and operate in a manner satisfactory to the AQD District Supervisor, devices to monitor and record the CDFUELSCOND exhaust gas temperature and the CDFUELSCOND glycol exit temperature on a continuous basis. For this condition, continuous means monitor and record either an instantaneous data value at least once every 15 minutes or an average value for intervals of 15 minutes or less. (R 336.1225, R 336.1702(a))
3. The permittee shall keep, in a manner satisfactory to the AQD District Supervisor, monthly and 12-month rolling time period records of raw material purchases and production to determine the amount of each material loaded into FGBLEND. 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 calculate the VOC emission rate from FGBLEND monthly, for the preceding 12-month rolling time period, using a method acceptable to the AQD District Supervisor. 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))
5. The permittee shall keep, in a satisfactory manner, records of the CDFUELSCOND exhaust gas temperature. 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))
6. The permittee shall keep a monthly record of the materials loaded into EU515BLEND blending tanks and the vapor pressures of the materials. When a multicomponent material is loaded, the permittee shall record the total vapor pressure of the multicomponent material that was loaded or document the basis for determining that the total vapor pressure of the multicomponent material is no higher than 1.5 psia. (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:

Stack & Vent ID	Maximum Exhaust Diameter / Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
1. SVFuelsCond	3 ¹	29.5 ¹	R 336.1225

IX. OTHER REQUIREMENT(S)

NA

Footnotes:

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

**FGFUELBLEND
 FLEXIBLE GROUP CONDITIONS**

DESCRIPTION

Fuel and solvent blending process related to fuel and solvent blending operations. Equipment in this flexible group is not authorized to process material that is hazardous waste under state or federal law.

Emission Unit: EU515TKS, EU33KTKS, EUHIVPTKS, EU9600TKS, EU9600BLEND, EUNEBLEND, EU515BLEND, EUTOTE&DRUM, EUTANKER

POLLUTION CONTROL EQUIPMENT

EU515TKS, EU515BLEND: Conservation vents
 EU33KTKS, EUHIVPTKS, EU9600TKS, EU9600BLEND, EUNEBLEND, and the parts of EUTANKER that transfer fuel blends which have a Reid vapor pressure equal to or greater than 4.0 psia and which are used for automotive fuel: Vent condenser system (CDFUELSCOND)

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period / Operating Scenario	Equipment	Monitoring / Testing Method	Underlying Applicable Requirements
1. VOC	21.0 tpy	12-month rolling time period as determined at the end of each calendar month	FGFUELBLEND	SC VI.2	R 336.1225, R 336.1702(a)

II. MATERIAL LIMIT(S)

1. The permittee shall limit load out in FGFUELBLEND of fuel blends which have a Reid vapor pressure equal to or greater than 4.0 psia and which are used for automotive fuel to less than 5,000,000 gallons per 12-month rolling time period, as determined at the end of each calendar month. **(R 336.1225, R 336.1702, R 336.1706)**
2. The permittee shall limit load out in FGFUELBLEND of fuel blends which have a Reid vapor pressure of 4.0 psia or greater which are used as a fuel for internal combustion engines to less than 250,000 gallons per day. **(40 CFR Part 63 Subpart BBBBBB)**
3. The permittee shall limit the di-isobutylene (Chemical Abstracts Service Registry Number 107-39-1) usage in fuel blends to less than 30,000 gallons per month.¹ **(R 336.1225)**
4. The permittee shall limit load out in FGFUELBLEND of diesel fuel blends to a maximum of 20,000,000 gallons per year, based on a 12-month rolling time period as determined at the end of each calendar month. **(R 336.1205(1)(a))**

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee shall not operate FGFUELBLEND unless all applicable provisions of Rule 627, Rule 704, Rule 705, 40 CFR Part 63 Subpart BBBBBB, National Emissions Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities, are met. **(R 336.1627, R 336.1704, R 336.1705, 40 CFR Part 63 Subparts A & BBBBBB)**
2. The permittee shall exhaust all emissions from each storage tank in EU33KTKS to a closed vent system and emission control device (CDFUELSCOND) meeting the requirements of 40 CFR 60.112b(a)(3). **(R 336.1205(1)(a), 40 CFR 60.112b(a)(3))**

3. The permittee shall operate the closed vent system and control device (CDFUELSCOND) and monitor the parameters of the closed vent system and control device (CDFUELSCOND) as stated in the operating plan approved by the AQD District Supervisor. **(R 336.1205(1)(a), 40 CFR 60.113b(c)(2))**

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. The permittee shall equip the vessels in EU33KTKS with a closed vent system designed to collect all discharged VOC vapors and gases, and operated with no detectable emissions as indicated by an instrument reading of less than 500 ppm above background and visual inspections. **(R 336.1205(1)(a), 40 CFR 60.112b(b), 40 CFR 60.485(b))**
2. The permittee shall equip the vessels in EU33KTKS with a control device (CDFUELSCOND) designed and operated to reduce inlet VOC emissions by 95 percent or greater. **(R 336.1205(1)(a), 40 CFR 60.112b(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, except as noted below. **(R 336.1201(3))**

1. The permittee shall complete all required calculations in a format acceptable to the AQD District Supervisor within 60 days of the last day of each calendar month, unless otherwise specified in any recordkeeping, reporting or notification special condition. **(R 336.1225, R 336.1702(a))**
2. The permittee shall calculate the VOC emission rate from FGFUELBLEND monthly, for the preceding 12-month rolling time period, using a method acceptable to the AQD District Supervisor. 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))**
3. The permittee shall keep, in a manner satisfactory to the AQD District Supervisor, monthly and 12-month rolling time period records of the gallons of fuel blends which have a Reid vapor pressure equal to or greater than 4.0 psia and which can be used for automotive fuel produced in FGFUELBLEND. 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, in a manner satisfactory to the AQD District Supervisor, monthly and 12-month rolling time period records of the amount of diesel fuel blends loaded out in FGFUELBLEND. The permittee shall keep all records on file at the facility and make them available to the Department upon request. **(R 336.1205(1)(a))**
5. The permittee shall keep, in a manner satisfactory to the AQD District Supervisor, daily records of the gallons of fuel blends which have a Reid vapor pressure of 4.0 psia or greater which are used as a fuel for internal combustion engines loaded out in FGFUELBLEND. The permittee shall keep all records on file at the facility and make them available to the Department upon request. **(40 CFR Part 63 Subpart BBBBBB)**
6. The permittee shall keep, in a manner satisfactory to the AQD District Supervisor, up to date records showing the amount of di-isobutylene usage in FGFUELBLEND per month. The permittee shall keep all records on file at the facility and make them available to the Department upon request.¹ **(R 336.1225)**
7. The permittee shall perform a monthly leak inspection of all equipment in gasoline service according to the requirements specified in 40 CFR 63.11089(a) through (d). **(40 CFR 63.11089)**
8. The permittee shall keep records for the leak inspections as required by 40 CFR 63.11094(d) and (e). **(40 CFR 63.11094(d) and (e))**

9. The permittee shall keep records of the measured values of the parameters monitored under the operating plan in SC III.3. **(40 CFR 60.115b(c))**
10. The permittee shall keep records of the dimension of the storage vessels in EU33KTKS, and an analysis showing the capacity of each storage vessel. The records shall be readily accessible and kept for the life of the vessels. **(40 CFR 60.116b)**
11. The permittee shall monitor operating information for EU33KTKS 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 records of all required information on file at the facility and make them available to the Department upon request. **(40 CFR Part 60 Subparts A & Kb)**

VII. REPORTING

1. The permittee shall submit notifications and reports as required by 40 CFR Part 63 Subpart BBBBBB and 40 CFR Part 60 Subpart Kb. **(40 CFR Part 63 Subpart BBBBBB, 40 CFR Part 60 Subpart Kb)**
2. The permittee shall notify the Department if a change in land use occurs for property classified as industrial or as a public roadway, where this classification was relied upon to demonstrate compliance with Rule 225(1). The permittee shall submit the notification to the AQD District Supervisor, within 30 days of the actual land use change. Within 60 days of the land use change, the permittee shall submit to the AQD District Supervisor a plan for complying with the requirements of Rule 225(1). The plan shall require compliance with Rule 225(1) no later than one year after the due date of the plan submittal.¹ **(R 336.1225(4))**

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 EU33KTKS. **(40 CFR Part 60 Subparts A & Kb)**

Footnotes:

¹ 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

NA

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period / Operating Scenario	Equipment	Monitoring / Testing Method	Underlying Applicable Requirements
1. Each individual HAP	9.9 tons per year	Twelve month rolling time period as determined at the end of each calendar month	FGFACILITY	SC VI.2	R 336.1205(3)
2. Aggregate HAPs	24.9 tons per year	Twelve month rolling time period as determined at the end of each calendar month	FGFACILITY	SC VI.2	R 336.1205(3)
3. Volatile organic compounds (VOC)	Less than 89.9 tons per year*	12-month rolling time period as determined at the end of each calendar month	FGFACILITY	SC VI.4, VI.5, VI.6, VI.7, VI.8, VI.9, VI.10	R 336.1205(3)

*The enforceable restrictions that are associated with SC I.3 are found in FGFACILITY and in the special conditions for the following flexible groups:

- FGTANKFARM
- FGREMANUFACTURE
- FGSPECIALTY
- FGFUELBLEND

II. MATERIAL LIMIT(S)

1. The total coating use in all laboratory paint booths combined shall not exceed 50 gallons per month. **(R 336.1205(3))**
2. The total cleaning solvent use in all cold cleaners combined shall not exceed 35 gallons per year, based on a 12-month rolling time period as determined at the end of each calendar month. Solvent use shall be determined on a mass balance basis, considering factors such as cleaning solvent added to the cold cleaners and cleaning solvent recovered or recycled from waste cleaning solvent. **(R 336.1205(3))**
3. The permittee shall not produce more than 250 drums per year of waste material in the laboratory area, based on a 12-month rolling time period as determined at the end of each calendar month. **(R 336.1205(3))**
4. The permittee shall not steam more than 370 totes per calendar month. Before being steamed, each tote shall be emptied according to the procedure on file at the facility. **(R 336.1205(3))**

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 in a format acceptable to the AQD District Supervisor within 60 days of the last day of each calendar month, unless otherwise specified in any recordkeeping, reporting or notification special condition. **(R 336.1205(1)(a)&(3))**
2. The permittee shall keep separate records of monthly calculations for each process's HAP emissions. These records shall include:
 - a) A monthly calculation of individual HAP emissions in tons for each process.
 - b) A monthly calculation of all combined HAP emissions in tons for each process.
 - c) A monthly calculation of individual HAP emissions in tons from all processes based upon a twelve month rolling time period.
 - d) A monthly calculation of all combined HAP emissions in tons from all processes based upon a twelve month rolling time period.**(R 336.1205(3))**
3. The permittee shall calculate the HAP emissions from all processes using a method acceptable to the AQD District Supervisor. All records shall be kept on file and made available to the Department upon request. **(R 336.1205(3))**
4. The permittee shall record the following information on a monthly basis for each equipment group listed in the table below and for FGFACILITY:
 - 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.

Equipment group	Calculation method
FGTANKFARM	Emissions calculated from actual activity
FGREMANUFACTURE	Emissions calculated from actual activity and emission control.
FGSPECIALTY	Emissions calculated from actual activity
FGFUELBLEND activities exhausted to the CDFUELSCOND system	Emissions calculated from actual activity and emission control.
FGFUELBLEND activities not exhausted to the CDFUELSCOND system	Emissions calculated from actual activity
Equipment and activities addressed in SC II.1-4	Emissions calculated from actual activity
FGBOILERS and equipment not listed above that is exempt from Permit to Install requirement	Emissions calculated from actual activity
All not listed above	Potential to emit

Emission calculations shall use the method listed in the table above, 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(1)(a)&(3))**

5. The permittee shall calculate the VOC emissions from all processes using a method acceptable to the AQD District Supervisor. All records shall be kept on file and made available to the Department upon request. **(R 336.1205(3))**
6. The permittee shall keep the following information on a monthly basis for all laboratory paint booths combined:
 - a) Gallons of each coating used.
 - b) Total gallons of all coatings used.
 - c) VOC content of each coating as applied.

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))**

7. The permittee shall record the following for each calendar month:
 - a) The total amount of cleaning solvent, in gallons, added to all the cold cleaners during the calendar month.
 - b) The total amount of cleaning solvent, in gallons, recovered or recycled from waste cleaning solvent during the calendar month
 - c) The total amount of cleaning solvent, in gallons, added to all the cold cleaners during the 12-month rolling time period ending that calendar month.
 - d) The total amount of cleaning solvent, in gallons, recovered or recycled from waste cleaning solvent during the 12-month rolling time period ending that calendar 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(3))**

8. The permittee shall keep a record of the number of drums of waste material produced in the laboratory area for each month and for the 12-month rolling time period ending that month. The permittee shall keep the record on file at the facility, in a format acceptable to the AQD District Supervisor, and make it available to the Department upon request. **(R 336.1205(3))**
9. The permittee shall record the number of totes steamed during each calendar 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(3))**
10. The permittee shall keep the procedure for emptying totes before steaming on file at the facility and make it available to the Department upon request. **(R 336.1205(3))**

VII. REPORTING

NA

VIII. STACK/VENT RESTRICTION(S)

NA

IX. OTHER REQUIREMENT(S)

NA

Footnotes:

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