

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

February 5, 2021

PERMIT TO INSTALL
95-20

ISSUED TO
Corteva Agriscience LLC

LOCATED AT
701 Washington Street, 1028 Building
Midland, Michigan 48674

IN THE COUNTY OF
Midland

STATE REGISTRATION NUMBER
P1028

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: January 12, 2021	
DATE PERMIT TO INSTALL APPROVED: February 5, 2021	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
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 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
PM10	Particulate Matter equal to or less than 10 microns in diameter
PM2.5	Particulate Matter equal to or less than 2.5 microns in diameter
pph	Pounds per hour
ppm	Parts per million
ppmv	Parts per million by volume
ppmw	Parts per million by weight
psia	Pounds per square inch absolute
psig	Pounds per square inch gauge
scf	Standard cubic feet
sec	Seconds
SO 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 Environment, Great Lakes, and Energy, P.O. Box 30260, Lansing, Michigan 48909-7760, if it is decided not to pursue the installation, construction, reconstruction, relocation, or modification of the equipment allowed by this Permit to Install. **(R 336.1201(4))**
3. If this Permit to Install is issued for a process or process equipment located at a stationary source that is not subject to the Renewable Operating Permit program requirements pursuant to Rule 210 (R 336.1210), operation of the process or process equipment is allowed by this permit if the equipment performs in accordance with the terms and conditions of this Permit to Install. **(R 336.1201(6)(b))**
4. The Department may, after notice and opportunity for a hearing, revoke this Permit to Install if evidence indicates the process or process equipment is not performing in accordance with the terms and conditions of this permit or is violating the Department's rules or the Clean Air Act. **(R 336.1201(8), Section 5510 of Act 451, PA 1994)**
5. The terms and conditions of this Permit to Install shall apply to any person or legal entity that now or hereafter owns or operates the process or process equipment at the location authorized by this Permit to Install. If the new owner or operator submits a written request to the Department pursuant to Rule 219 and the Department approves the request, this permit will be amended to reflect the change of ownership or operational control. The request must include all of the information required by subrules (1)(a), (b), and (c) of Rule 219 and shall be sent to the District Supervisor, Air Quality Division, Michigan Department of Environment, Great Lakes, and Energy. **(R 336.1219)**
6. Operation of this equipment shall not result in the emission of an air contaminant which causes injurious effects to human health or safety, animal life, plant life of significant economic value, or property, or which causes unreasonable interference with the comfortable enjoyment of life and property. **(R 336.1901)**
7. The permittee shall provide notice of an abnormal condition, start-up, shutdown, or malfunction that results in emissions of a hazardous or toxic air pollutant which continue for more than one hour in excess of any applicable standard or limitation, or emissions of any air contaminant continuing for more than two hours in excess of an applicable standard or limitation, as required in Rule 912, to the Department. The notice shall be provided not later than two business days after start-up, shutdown, or discovery of the abnormal condition or malfunction. Written reports, if required, must be filed with the Department within 10 days after the start-up or shutdown occurred, within 10 days after the abnormal condition or malfunction has been corrected, or within 30 days of discovery of the abnormal condition or malfunction, whichever is first. The written reports shall include all of the information required in Rule 912(5). **(R 336.1912)**
8. Approval of this permit does not exempt the permittee from complying with any future applicable requirements which may be promulgated under Part 55 of 1994 PA 451, as amended or the Federal Clean Air Act.
9. Approval of this permit does not obviate the necessity of obtaining such permits or approvals from other units of government as required by law.
10. Operation of this equipment may be subject to other requirements of Part 55 of 1994 PA 451, as amended and the rules promulgated thereunder.

11. Except as provided in subrules (2) and (3) or unless the special conditions of the Permit to Install include an alternate opacity limit established pursuant to subrule (4) of Rule 301, the permittee shall not cause or permit to be discharged into the outer air from a process or process equipment a visible emission of density greater than the most stringent of the following. The grading of visible emissions shall be determined in accordance with Rule 303 (R 336.1303). **(R 336.1301)**
 - a) A six-minute average of 20 percent opacity, except for one six-minute average per hour of not more than 27 percent opacity.
 - b) A visible emission limit specified by an applicable federal new source performance standard.
 - c) A visible emission limit specified as a condition of this Permit to Install.
12. Collected air contaminants shall be removed as necessary to maintain the equipment at the required operating efficiency. The collection and disposal of air contaminants shall be performed in a manner so as to minimize the introduction of contaminants to the outer air. Transport of collected air contaminants in Priority I and II areas requires the use of material handling methods specified in Rule 370(2). **(R 336.1370)**
13. The Department may require the permittee to conduct acceptable performance tests, at the permittee's expense, in accordance with Rule 1001 and Rule 1003, under any of the conditions listed in Rule 1001. **(R 336.2001)**

EMISSION UNIT SPECIAL CONDITIONS

EMISSION UNIT SUMMARY TABLE

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

Emission Unit ID	Emission Unit Description (Including Process Equipment & Control Device(s))	Installation Date / Modification Date	Flexible Group ID
EU02TEMP	<p>Emission Unit 2 is an agricultural multiproduct plant consisting of reactors, distillation and fractionation columns, separators, storage tanks, and related equipment.</p> <p>PAI processes within EU02TEMP-S1 are subject to the requirements of 40 CFR Part 63, Subparts A, EEEE, and MMM (National Emission Standards for Hazardous Air Pollutants for Pesticide Active Ingredient Production). In addition, processes subject to MMM are also subject to the equipment leak provisions of 40 CFR Part 63, Subpart H (National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks) as specified in Section 63.1363(b), as applicable.</p> <p>This emission unit exists to allow for a transition between use of the SARAN TTU and 954 THROX for emission control for EU02-S1 and was permitted in PTI 95-20.</p>	<p>2/24/10 2/5/21</p>	<p>FGHONFUGITIVES-S1, FGPESTICIDES-S1, FGSARANTTU-S3, FGOLDMACT-S1, FG954THROX, FG02TEMP</p>

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.

**EU02TEMP-S1
 EMISSION UNIT CONDITIONS**

DESCRIPTION

Emission Unit 2 is an agricultural multiproduct plant consisting of reactors, distillation and fractionation columns, separators, storage tanks, and related equipment.

PAI processes within EU02TEMP-S1 are subject to the requirements of 40 CFR Part 63, Subparts A, EEEE, and MMM (National Emission Standards for Hazardous Air Pollutants for Pesticide Active Ingredient Production). In addition, processes subject to MMM are also subject to the equipment leak provisions of 40 CFR Part 63, Subpart H (National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks) as specified in Section 63.1363(b), as applicable.

This temporary emission unit exists to allow for a transition between use of the SARAN TTU and 954 THROX for emission control for EU02-S1 and was permitted in PT195-20.

Flexible Group ID: FGHONFUGITIVES, FGPESTICIDES, FGSARANTTU, FGOLDMACT, FG02TEMP

POLLUTION CONTROL EQUIPMENT

- SARAN TTU (Thermal Treatment Unit – including absorber and scrubber)
- Particulate filters

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period / Operating Scenario	Equipment	Monitoring / Testing Method	Underlying Applicable Requirements
1. PM	0.10 lb/ 1000 lb gas	Test Protocol	EU02TEMP-S1 emissions exhausted through SVEU02-01	GC 13 SC VI.4	R 336.1331
2. VOC	6 tpy	12-month rolling time period as determined at the end of each calendar month	EU02TEMP-S1	SC VI.1	R 336.1702(a)

II. MATERIAL LIMIT(S)

NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee shall immediately cease operation of EU02TEMP-S1, consistent with safe operating procedures, upon initiation of a SARAN TTU shutdown or malfunction, unless operation of EU02TEMP-S1 does not generate emissions or emissions are vented to surge control tank V-401. Surge control tank V-401 may be used to collect and store vent gas during periods when the SARAN TTU is shut down. Vent gas stored in V-401 shall be sent to the SARAN TTU for treatment prior to venting to the atmosphere. Input feed to EU02TEMP-S1 shall not restart until the SARAN TTU is back online and operating in a satisfactory manner or emissions from the process are vented to surge control tank V-401. **(R 336.1225, R 336.1331, R 336.1702(a), R 336.1910)**

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. Except as allowed in SC III.1 of this table, the permittee shall not operate emission generating portions of EU02TEMP-S1 which vent to the SARAN TTU unless the SARAN TTU is installed, maintained, and operated in a satisfactory manner. Satisfactory operation includes, but is not limited to, maintaining the SARAN TTU in accordance with the requirements of FGSARANTTU-S3. **(R 336.1225, R 336.1331, R 336.1702(a), R 336.1910)**
2. The permittee shall not operate particulate emission generating portions of EU02TEMP-S1 which vent to the particulate filters unless the particulate filters are installed, maintained, and operated in a satisfactory manner. **(R 336.1225, R 336.1301, R 336.1331, 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. Within 30 days following the end of each calendar month, the permittee shall calculate and record in a satisfactory manner, emissions of VOCs to show compliance with the limit listed in SC I.2 for EU02TEMP-S1. 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))**
2. The permittee shall monitor and record, in a satisfactory manner, the time and duration of each use of the closed vent system surge control tank V-401 during a SARAN TTU shutdown or malfunction. **(R 336.1910)**
3. The permittee shall monitor the particulate filter emission points to verify the filters are operating properly, by taking visible emission readings for EU02TEMP-S1 a minimum of once per calendar month. Either a certified or non-certified reader shall take each visible emission reading during routine operating conditions. Such readings do not have to be conducted per the requirements of Method 9. Multiple stacks may be observed simultaneously. If any visible emissions (other than uncombined water vapor) are observed, the permittee shall immediately inspect the filters and perform any required maintenance. **(R 336.1910)**
4. The permittee shall keep, in a satisfactory manner, records of all visible emission readings for the EU02TEMP-S1 particulate filter emission points. At a minimum, records shall include the date, the name or initials of the observer, the status of visible emissions, and any corrective action that was taken as appropriate. The permittee shall keep all records on file at the facility and make them available to the Department upon request. **(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. BLDG 827 Closed Vent System	(See FGSARANTTU-S3) ¹	(See FGSARANTTU-S3) ¹	R 336.1225
2. SVEU02-01 (DC-350 Spencer Vacuum)	2 ¹	41 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).

**EU02-S1
 EMISSION UNIT CONDITIONS**

DESCRIPTION

Emission Unit 2 produces Sulfoxaflor. Manufacturing equipment is located in Building 827 and consists of reactors, distillation and fractionation columns, separators, storage tanks, and related equipment.

EU02-S1 is subject to the requirements of 40 CFR Part 63, Subparts A, EEEE, and MMM (National Emission Standards for Hazardous Air Pollutants for Pesticide Active Ingredient Production). In addition, processes subject to MMM are also subject to the equipment leak provisions of 40 CFR Part 63, Subpart H (National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks) as specified in Section 63.1363(b), as applicable.

This emission unit was permitted in PTI 95-20.

Flexible Group ID: FGHONFUGITIVES, FGPESTICIDES, FGOLDMACT, FG954THROX, FG02TEMP

POLLUTION CONTROL EQUIPMENT

- 954 THROX (Thermal Treatment Unit – including absorber and scrubber)
- Particulate filter for emissions exhausted through SVEU02-01
- 827 Building Scrubbers:
 - T-1 Scrubber
 - T-14 Scrubber
 - T-16 Scrubber

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period / Operating Scenario	Equipment	Monitoring / Testing Method	Underlying Applicable Requirements
1. PM	0.05 lb/ 1000 lb gas	Hourly	EU02-S1 emissions exhausted through SVEU02-01	SC VI.3, VI.4	R 336.1225, R 336.1331
2. VOC	6 tpy	12-month rolling time period as determined at the end of each calendar month	EU02-S1	SC VI.1	R 336.1702(a)

II. MATERIAL LIMIT(S)

NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee shall immediately cease operation of EU02-S1, consistent with safe operating procedures, upon initiation of a 954 THROX shutdown or malfunction, unless operation of EU02-S1 does not generate emissions or emissions are vented to surge control tank V-401. Surge control tank V-401 may be used to collect and store vent gas during periods when the 954 THROX is shut down. Vent gas stored in V-401 shall be sent to the 954 THROX for treatment prior to venting to the atmosphere. Input feed to EU02-S1 shall not restart until the 954 THROX is back online and operating in a satisfactory manner or emissions from the process are vented to surge control tank V-401. **(R 336.1225, R 336.1331, R 336.1702(a), R 336.1910)**

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. Except as allowed in EU02-S1 SC III.1, the permittee shall not operate emission generating portions of EU02-S1 which vent to the 954 THROX unless the 954 THROX is installed, maintained, and operated in a satisfactory manner. Satisfactory operation includes, but is not limited to, maintaining the 954 THROX in accordance with the requirements of FG954THROX. **(R 336.1225, R 336.1331, R 336.1702(a), R 336.1910)**
2. The permittee shall not operate particulate emission generating portions of EU02-S1 which vent to the particulate filters unless the particulate filters are installed, maintained, and operated in a satisfactory manner. **(R 336.1225, R 336.1301, R 336.1331, R 336.1910)**
3. The permittee shall not operate equipment in EU02-S1 causing emissions from the A-wing process vents or equipment exhausting emissions to the B-wing acid vent header or the B-wing basic vent header unless the associated equipment listed below is installed, maintained, and operated in a satisfactory manner. Satisfactory operation of the associated equipment includes the following. **(R 336.1224, R 336.1225, R 336.1910)**

	Subset of EU02 operations	Device	Operating Parameter	Required Value
a)	Equipment causing emissions from the A-wing process vents	T-1 Scrubber	Scrubber Liquid Flow Rate	16 gallons per minute (gpm) or greater
b)	Equipment causing emissions from the A-wing process vents	T-1 Scrubber	Scrubber Liquid pH	8 or greater
c)	Equipment exhausting emissions to the B-wing acid vent header	T-14 Scrubber	Scrubber Liquid Flow Rate	10 gpm or greater
d)	Equipment exhausting emissions to the B-wing acid vent header	T-14 Scrubber	Scrubber Liquid pH	8 or greater
e)	Equipment exhausting emissions to the B-wing acid vent header	T-16 Scrubber	Scrubber Liquid Flow Rate	42 gpm or greater

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. Within 30 days following the end of each calendar month, the permittee shall calculate and record, in a satisfactory manner, the emissions of VOCs from EU02-S1 for the calendar month and for the 12-month rolling time period ending that calendar month. 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))**
2. The permittee shall monitor and record, in a satisfactory manner, the time and duration of each use of the closed vent system surge control tank V-401 during a 954 THROX shutdown or malfunction. **(R 336.1910)**
3. The permittee shall monitor the particulate filter emission points to verify the filters are operating properly, by taking visible emission readings for EU02-S1 a minimum of once per calendar month. Either a certified or non-certified reader shall take each visible emission reading during routine operating conditions. Such readings do not have to be conducted per the requirements of Method 9. Multiple stacks may be observed simultaneously. If any visible emissions (other than uncombined water vapor) are observed, the permittee shall immediately inspect the filters and perform any required maintenance. **(R 336.1910)**
4. The permittee shall keep, in a satisfactory manner, records of all visible emission readings for the EU02-S1 particulate filter emission points. At a minimum, records shall include the date, the name or initials of the observer, the status of visible emissions, and any corrective action that was taken as appropriate. The permittee shall keep all records on file at the facility and make them available to the Department upon request. **(R 336.1910)**

5. The permittee shall maintain a current list of the materials used in EU02-S1 that are determined to be exempt from the health-based screening level requirement of Rule 225. The list shall include the compound name and CAS number and a calculation demonstrating the emission rate of each material. The permittee shall keep all records on file at the facility and make them available to the Department upon request. **(R 336.1226(a))**

6. The permittee shall monitor and record, on a continuous basis, the following operational parameters for the devices listed below, in accord with the requirements of FGPESTICIDES-S1. For the purpose of this condition, “on a continuous basis” is defined as an instantaneous data point recorded at least once every 15 minutes for at least 90% of the operating time during an operating calendar day. In the event the permittee collects more than one data point during the 15-minute period, the data point recorded may be the average (rolling or block) of all data points collected during the 15-minute period. Unless otherwise noted in this permit, the permittee is not required to monitor and record operational parameter data during periods of non-operation of the device resulting in cessation of the emissions to which the monitoring applies. **(R 336.1910, 40 CFR Part 63 Subpart MMM)**

	Device	Operating Parameter
a)	T-1 Scrubber	Scrubber Liquid Flow Rate
b)	T-1 Scrubber	Scrubber Liquid pH
c)	T-14 Scrubber	Scrubber Liquid Flow Rate
d)	T-14 Scrubber	Scrubber Liquid pH
e)	T-16 Scrubber	Scrubber Liquid Flow Rate

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. SV954THROX (FG954THROX) ^A	24	60	R 336.1225, 40 CFR 52.21(c)&(d)
2. SVEU02-01 (DC-350 Spencer Vacuum)	2	41	R 336.1225, 40 CFR 52.21(c)&(d)
^A This stack’s requirements also appear in the conditions for FG954THROX (SRN P1028).			

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
FGEU02TEMP	This flexible group addresses the transition between use of the 858 TOX and use of the 954 THROX for emission control for EU02-S1. This flexible group was permitted in PTI No. 95-20.	EU02TEMP, EU02

**FG02TEMP-S1
 FLEXIBLE GROUP CONDITIONS**

DESCRIPTION

This flexible group addresses the transition between use of the 858 TOX and use of the 954 THROX for emission control for EU02-S1. This temporary flexible group exists to allow for a transition between use of the SARAN TTU and 954 THROX for emission control for EU02-S1 and was permitted in PTI 95-20.

Emission Unit: EU02TEMP-S1, EU02-S1

POLLUTION CONTROL EQUIPMENT

Include a description of control equipment if applicable. Use NA if no control equipment used.

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period / Operating Scenario	Equipment	Monitoring / Testing Method	Underlying Applicable Requirements
1. VOC	6 tpy	12-month rolling time period as determined at the end of each calendar month	FG02TEMP-S1	SC VI.1	R 336.1702(a)

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. **(R 336.1201(3))**

1. Within 30 days following the end of each calendar month, the permittee shall calculate and record, in a satisfactory manner, the calendar month's emissions of VOCs and the annual emissions of VOCs from FG02TEMP-S1 for the 12-month rolling time period ending that calendar month. The permittee shall keep all records on file at the facility and make them available to the Department upon request. Calculations shall begin the month FG02TEMP-S1 first exhausts to the 954 THROX and shall continue until the end of the last month during which FG02TEMP-S1 exhausts to the SARAN TTU. **(R 336.1702(a))**
2. For each calendar day, the permittee shall keep a record of the blocks of time during which EU02-S1 exhausts to each thermal oxidizer. For each thermal oxidizer, the record shall indicate the beginning and ending times for each block of time EU02-S1 exhausts to the thermal oxidizer during the calendar day. **(R 336.1702(a))**

VII. REPORTING

1. The permittee shall notify the AQD District Supervisor, in writing, within 30 days of each of the following occurrences. **(R 336.1702(a))**
 - a) The date and time EU02-S1 first exhausts to the 954 THROX.
 - b) The date and time EU02-S1 no longer has the capability to vent to the SARAN TTU, which shall occur no later than six months after EU02-S1 first exhausts to the 954 THROX.

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. SV954THROX (FG954THROX) ^A	24	60	R 336.1225, 40 CFR 52.21(c)&(d)
2. SVEU02-01 (DC-350 Spencer Vacuum)	2	41	R 336.1225, 40 CFR 52.21(c)&(d)
^A This stack's requirements also appear in the conditions for FG954THROX-S1 (SRN P1028).			

IX. OTHER REQUIREMENT(S)

NA

Footnotes:

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