

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

May 23, 2022

PERMIT TO INSTALL
419-92D

ISSUED TO
Oakland University

LOCATED AT
201 Meadow Brook Road
Rochester, Michigan 48309

IN THE COUNTY OF
Oakland

STATE REGISTRATION NUMBER
N3422

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 11, 2022	
DATE PERMIT TO INSTALL APPROVED: May 23, 2022	SIGNATURE:
DATE PERMIT VOIDED:	SIGNATURE:
DATE PERMIT REVOKED:	SIGNATURE:

PERMIT TO INSTALL

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COMMON ACRONYMS

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

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

POLLUTANT / MEASUREMENT ABBREVIATIONS

acfm	Actual cubic feet per minute
BTU	British Thermal Unit
°C	Degrees Celsius
CO	Carbon Monoxide
CO 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
EU_HTWGEN#1	High temperature water (HTW) generator #1. International Boiler Works Model TJW-C-10,000 HTW Generator (Natural Gas) Serial #M-3526. Boiler has a rated heat input capacity of 100 MMBtu/hr	9/3/1971	FGBOILERS
EU_HTWGEN#2	High temperature water (HTW) generator #2. International Boiler Works Model TJW-C-10,000 HTW Generator (Natural Gas) Serial #M-3337. Boiler has a rated heat input capacity of 100 MMBtu/hr	9/3/1971	FGBOILERS
EU_TURBINE#1	Centaur 50-6201S gas turbine generator set package with SoLoNO _x , natural gas fired. The turbine has a heat release capacity of approximately 51.53 MMBtu/hr.	4/1/2016	FGTURB/WHRU#1
EU_WHRU#1	Custom waste heat recovery unit (WHRU) with duct burner for a total of 60 MMBtu/hr. No steam or generation on the back side, but the WHRU can run as a standalone boiler for a total of 35 MMBtu/hr	4/1/2016	FGTURB/WHRU#1
EU_BACKUPGEN#1	Emergency back-up diesel and natural gas fired generator. The generator produces 1650 kilowatts of electricity per hour and is equipped with a Mitsubishi S16R-PTA engine. The engine is equipped with a dual fuel control system to allow the blending of natural gas and diesel fuels	10/1/2008	FGGENERATORS
EU_BACKUPGEN#2	Emergency back-up diesel and natural gas fired generator. The generator produces 1650 kilowatts of electricity per hour and is equipped with a Mitsubishi S16R-PTA engine. The engine is equipped with a dual fuel control system to allow the blending of natural gas and diesel fuels	10/1/2008	FGGENERATORS

Changes to the equipment described in this table are subject to the requirements of R 336.1201, except as allowed by R 336.1278 to R 336.1291.

FLEXIBLE GROUP SPECIAL CONDITIONS

FLEXIBLE GROUP SUMMARY TABLE

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

Flexible Group ID	Flexible Group Description	Associated Emission Unit IDs
FGBOILERS	Two natural gas natural gas fired boilers	EU_HTWGEN#1 EU_HTWGEN#2
FGTURB/WHRU#1	Centaur 50-6201S gas turbine generator set package with SoLoNO _x , natural gas fired. The turbine has a heat release capacity of approximately 51.53 MMBtu/hr. Custom waste heat recovery unit with duct burner for a total of 60 MMBtu/hr. No steam or generation on the back side, but the WHRU can run as a standalone boiler for a total of 35 MMBtu/hr	EU_TURBINE#1 EU_WHRU#1
FGGENERATORS	Emergency back-up diesel and natural gas fired generator. The generator produces 1650 kilowatts of electricity per hour and is equipped with a Mitsubishi S16R-PTA engine. The engine is equipped with a dual fuel control system to allow the blending of natural gas and diesel fuels	EU_BACKUPGEN#1 EU_BACKUPGEN#2

FGBOILERS FLEXIBLE GROUP CONDITIONS

DESCRIPTION

Two natural gas natural gas fired boilers

Emission Unit: EU_HTWGEN#1, EU_HTWGEN#2

POLLUTION CONTROL EQUIPMENT

NA

I. EMISSION LIMIT(S)

NA

II. MATERIAL LIMIT(S)

NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee shall only combust natural gas in FGBOILERS. (R 336.1205(3))

IV. DESIGN/EQUIPMENT PARAMETER(S)

NA

V. TESTING/SAMPLING

NA

VI. MONITORING/RECORDKEEPING

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

1. The permittee shall maintain the following records. (R 336.1205):
- a) Natural gas usage, in standard cubic feet on a monthly basis
 - b) Calculated NO_x emissions, tons per year, based upon a calendar year basis.

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. SVBOILERS	66	58.3	R 336.1225

IX. OTHER REQUIREMENT(S)

NA

**FGTURB/WHRU#1
 FLEXIBLE GROUP CONDITIONS**

DESCRIPTION

Centaur 50-6201S gas turbine generator set package with SoLoNO_x natural gas fired. The turbine has a heat release capacity of approximately 51.53 MMBtu/hr. Custom waste heat recovery unit with duct burner for a total of 60 MMBtu/hr. No steam or generation on the back side, but the WHRU can run as a standalone boiler for a total of 35 MMBtu/hr

Emission Unit: EU_TURBINE#1, EU_WHRU#1

POLLUTION CONTROL EQUIPMENT

NA

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period / Operating Scenario	Equipment	Monitoring / Testing Method	Underlying Applicable Requirements
1. NO _x	25 ppmv dry at 15% oxygen	Hourly	FGTURB/WHRU#1	SC V.1, SC VI.3	40 CFR 60.4320(a), Table 1 of 40 CFR Part 60 Subpart KKKK
2. NO _x	8.44 pph (turbine and waste heat recovery unit)	Hourly	FGTURB/WHRU#1	SC V.1, SC VI.3	R 336.1205(1)(a) 40 CFR 52.21(c) & (d)

II. MATERIAL LIMIT(S)

1. The permittee shall only burn natural gas in FGTURB/WHRU#1. **(R 336.1205(1)(a), R 336.1401, R 336.1702(a), 40 CFR 60.4330)**
2. The pipeline quality natural gas shall not have a total sulfur content in excess of 20 grains of sulfur per 100 standard cubic feet of gas in accordance with 40 CFR 60.4365(a). **(40 CFR 60.4365(a))**

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee shall submit, implement, and maintain a MAP as described in Rule 911(2) for FGTURB/WHRU#1. The MAP shall, at a minimum, specify the following:
 - a) A complete preventative maintenance program including identification of the supervisory personnel responsible for overseeing the inspection, maintenance, and repair of air-cleaning devices, a description of the items or conditions that shall be inspected, the frequency of the inspections or repairs, and an identification of the major replacement parts that shall be maintained in inventory for quick replacement.
 - b) An identification of the source and air-cleaning device operating variables that shall be monitored to detect a malfunction or failure, the normal operating range of these variables, and a description of the method of monitoring or surveillance procedures.
 - c) A description of the corrective procedures or operational changes that shall be taken in the event of a malfunction or failure to achieve compliance with the applicable emission limits.

If 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 60 days after such an event occurs. The permittee shall also amend the MAP within 60 days, if new equipment is installed or upon request from the 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 60 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 336.1911)**

2. The permittee shall not operate FGTURB/WHRU#1 unless the AQD District Supervisor has approved a plan that describes how emissions will be minimized during start-up and shutdown. The plan shall incorporate procedures recommended by the equipment manufacturer as well as incorporating standard industry practices. Unless notified by the AQD District Supervisor within 30 business days after plan submittal, the plan shall be deemed approved. **(R 336.1911, R 336.1912, 40 CFR 60.4333(a))**

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. The maximum design heat input capacity of FGTURB/WHRU#1 shall not exceed 51.53 MMBtu per hour for EU_TURBINE#1, and 35 MMBtu per hour for EU_WHRU#1. **(R 336.1205(1)(a))**

V. TESTING/SAMPLING

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

1. To demonstrate continuous compliance, the permittee shall perform subsequent performance tests to verify NO_x emission rates from FGTURB/WHRU#1, as required by federal Standards of Performance for New Stationary Sources, by testing at owner's expense in accordance with 40 CFR 60.4400 of 40 CFR Part 60 Subparts A and KKKK:
 - a) If the previous performance test exceeded 75 percent of the NO_x emission limit, SC I.1, then the permittee shall perform annual performance tests which are no more than 14 calendar months apart.
 - b) If the previous performance test was less than or equal to 75 percent of the NO_x emission limit, SC I.1, then the permittee shall perform subsequent performance tests once every two years which are no more than 26 calendar months apart.

No less than 30 days prior to testing, the permittee shall submit a complete test plan to the AQD Technical Programs Unit and District Office. The AQD must approve the final plan prior to testing. Verification of emission rates includes the submittal of a complete report of the test results to the AQD Technical Programs Unit and District Office within 60 days following the last date of the test. **(R 336.1205(1)(a) & (3), R 336.2001, R 336.2003, R 336.2004, 40 CFR 52.21(d), 40 CFR 60.4340(a), 40 CFR 60.4375(b), 40 CFR 60.4400(a), 40 CFR Part 60 Subpart KKKK)**

VI. MONITORING/RECORDKEEPING

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

1. The permittee shall complete all required calculations in a format acceptable to the AQD District Supervisor by the last day of the calendar month, for the previous calendar month, unless otherwise specified in any monitoring/recordkeeping special condition. **(R 336.1205(1)(a))**
2. The permittee shall keep, in a satisfactory manner, records of the sulfur content of the fuel once each operating day for EU_TURBINE#1, as required by SC II.2. This condition does not apply if it is demonstrated that the potential sulfur emissions do not exceed 0.06 lb SO₂ per MMBtu heat input pursuant to 40 CFR 60.4365 using the fuel quality characteristics in a current, valid purchase contract, tariff sheet or transportation contract for fuel. All records shall be kept on file for a period of at least five years and made available to the Department upon request. **(40 CFR 60.4370(b))**
3. The permittee shall maintain records of all information necessary for all notifications and reports as specified in these special conditions as well as that information necessary to demonstrate compliance with the emission limits of this permit. This information shall include, but shall not be limited to the following:

- a) Compliance tests and any testing required under the special conditions of this permit;
- b) Monitoring data;
- c) Total sulfur content of the natural gas as required by 40 CFR 60.4365(a);
- d) Verification of heat input capacity required to show compliance with SC IV.1;
- e) Identification, type and the amounts of fuel combusted in FGTURB/WHRU#1 on a calendar month basis;
- f) All records required by 40 CFR 60.7;
- g) Records of the duration of all times FGTURB/WHRU#1 is operated under start-up or shutdown conditions as defined in SC III.2;
- h) All calculations necessary to show compliance with the limits contained in this permit.

All of the above information shall be stored in a format acceptable to the Air Quality Division and shall be consistent with the requirements of 40 CFR 60.7(f). **(R 336.1205(1)(a), R 336.1225, R 336.1702(a), R 336.1912, 40 CFR 60.7)**

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. SVTURB/WHRU#1	47.5	58	R 336.1225, 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 KKKK, as they apply to FGTURB/WHRU#1. **(40 CFR Part 60 Subparts A and KKKK)**

**FGGENERATORS
 FLEXIBLE GROUP CONDITIONS**

DESCRIPTION

Emergency back-up diesel and natural gas fired generator. The generator produces 1650 kilowatts of electricity per hour and is equipped with a Mitsubishi S16R-PTA engine. The engine is equipped with a dual fuel control system to allow the blending of natural gas and diesel fuels

Emission Unit: EU_BACKUPGEN#1, EU_BACKUPGEN#2

POLLUTION CONTROL EQUIPMENT

NA

I. EMISSION LIMIT(S)

NA

II. MATERIAL LIMIT(S)

Material	Limit	Time Period / Operating Scenario	Equipment	Monitoring / Testing Method	Underlying Applicable Requirements
1. Diesel Fuel	7,962 Gallons/yr	12-month rolling time period as determined at the end of each calendar month	EU_BACKUPGEN#1 EU_BACKUPGEN#2	SC VI.4	R 336.1205(1)(a) & (3)

2. The permittee shall burn only natural gas or diesel fuel in each engine in FGGENERATORS with a maximum sulfur content of 15 ppm (0.0015 percent) by weight and a minimum Cetane index of 40 or a maximum aromatic content of 35 volume percent. **(R 336.1205(1)(a) & (3), 40 CFR 1090.305)**

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee shall not operate FGGENERATORS for more than 1,000 generator-hours per rolling 12-month time period, as determined at the end of each calendar month. A generator hour is defined as the aggregation of the operating hours of each generator, and includes periods of startup shutdown, and testing. **(R 336.1205(1)(a) & (3), R 336.1225, R 336.1702(a), 40 CFR 52.21(c) & (d))**

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. The permittee shall equip and maintain each engine in FGGENERATORS with non-resettable hour meter to track the operating hours. **(R 336.1205(1)(a) & (3), R 336.1225)**
2. The maximum rated power output of each engine in FGGENERATORS shall not exceed 1650 kW, as certified by the equipment manufacturer. **(R 336.1205(1)(a) & (3), R 336.1225, R 336.1702(a), 40 CFR 1039, 40 CFR 1042)**

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 by the last day of the calendar month, for the previous calendar month, unless otherwise specified in any monitoring/recordkeeping special condition. **(R 336.1205(1)(a), R 336.1225, 40 CFR 52.21 (c) & (d))**
2. The permittee shall monitor and record, the total hours of operation for engine in FGGENERATORS on a monthly and 12-month rolling time period basis, and the hours of operation during emergency and non-emergency service that are recorded through the non-resettable hour meter for engine in FGGENERATORS, on a calendar year basis, in a manner acceptable to the AQD District Supervisor. **(R 336.1205(1)(a)) & (3))**
3. The permittee shall keep, in a satisfactory manner, fuel supplier certification records or fuel sample test data, for each delivery of diesel fuel oil used in FGGENERATORS, demonstrating that the fuel meets the requirement of 40 CFR 1090.305. The certification or test data shall include the name of the oil supplier or laboratory, the sulfur content, and cetane index or aromatic content of the fuel oil. **(R 336.1205(1)(a) & (3), 40 CFR 60.4207(b), 40 CFR 1090.305)**
4. The permittee shall monitor and record, the amount of fuel (diesel and natural gas) combusted in each engine within FGGENERATORS on a monthly and 12-month rolling time period basis, in a manner acceptable to the AQD District Supervisor. **(R 336.1205(1)(a) & (3))**

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. SV-EU00006	14	14	R 336.1224, 40 CFR 52.21(c) & (d)
2. SV-EU00007	14	14	R 336.1224, 40 CFR 52.21(c) & (d)

IX. OTHER REQUIREMENT(S)

1. The permittee shall comply with the provisions of the National Emission Standards for Hazardous Air Pollutants as specified in 40 CFR Part 63, Subparts A and ZZZZ, as they apply to engine in FGGENERATORS. **(40 CFR Part 63, Subparts A & ZZZZ)**

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. NO _x	89 tpy	12-month rolling time period as determined at the end of each calendar month	FGFACILITY	SC VI.2	R 336.1205(1)(a) & (3)
2. CO	89 tpy	12-month rolling time period as determined at the end of each calendar month	FGFACILITY	SC VI.2	R 336.1205(1)(a) & (3)

II. MATERIAL LIMIT(S)

Material	Limit	Time Period / Operating Scenario	Equipment	Monitoring / Testing Method	Underlying Applicable Requirements
1. Natural Gas	850 MMcf/yr	12-month rolling time period as determined at the end of each calendar month	FGFACILITY	SC VI.3	R 336.1205(1)(a) & (3)
2. Diesel Fuel	8,000 gal/yr	12-month rolling time period as determined at the end of each calendar month	FGFACILITY	SC VI.3	R 336.1205(1)(a) & (3)

III. PROCESS/OPERATIONAL RESTRICTION(S)

NA

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. The permittee shall install, calibrate, maintain and operate in a satisfactory manner, a device to monitor and record the natural gas used from all fuel burning equipment at FGFACILITY. **(R 336.1205(1)(a) & (3))**

V. TESTING/SAMPLING

NA

VI. MONITORING/RECORDKEEPING

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

1. The permittee shall complete all required calculations in a format acceptable to the AQD District Supervisor by the last day of the calendar month, for the previous calendar month, unless otherwise specified in any monitoring/recordkeeping special condition. **(R 336.1205(1)(a), R 336.1225, 40 CFR 52.21 (c) & (d))**
2. The permittee shall calculate and record in a satisfactory manner monthly and 12-month rolling time period NO_x & CO mass emission records for FGFACILITY to demonstrate compliance with SC I.1 & 2. 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) & (3))**
3. The permittee shall monitor and record, the amount of fuel (diesel and natural gas) combusted for FGFACILITY on a monthly and 12-month rolling time period basis, in a manner acceptable to the AQD District Supervisor. **(R 336.1205(1)(a) & (3))**

VII. REPORTING

NA

VIII. STACK/VENT RESTRICTION(S)

NA

IX. OTHER REQUIREMENT(S)

NA