MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION

October 23, 2015

PERMIT TO INSTALL
154-15

ISSUED TO
Michigan Department of Corrections
Women's Huron Valley Correctional Facility

LOCATED AT
3201 Bemis Road
Ypsilanti, Michigan

IN THE COUNTY OF
Washtenaw

STATE REGISTRATION NUMBER
P0637

The Air Quality Division has approved this Permit to Install, pursuant to the delegation of authority from the Michigan Department of Environmental Quality. 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: **September 24, 2015**	
DATE PERMIT TO INSTALL APPROVED: **October 23, 2015**	SIGNATURE:
DATE PERMIT VOIDED:	SIGNATURE:
DATE PERMIT REVOKED:	SIGNATURE:

PERMIT TO INSTALL

Table of Contents

Section **Page**

Alphabetical Listing of Common Abbreviations / Acronyms 2

General Conditions 3

Special Conditions 5

Emission Unit Summary Table 5

Flexible Group Summary Table 6

Special Conditions for FG-BOILERS 7

Special Conditions for FG-EMGGENS 9

Special Conditions for FG-NSPSIIII 11

Special Conditions for FG-FACILITY 14

Common Abbreviations / Acronyms

Common Acronyms		Pollutant / Measurement Abbreviations	
AQD	Air Quality Division	acfm	Actual cubic feet per minute
BACT	Best Available Control Technology	BTU	British Thermal Unit
CAA	Clean Air Act	°C	Degrees Celsius
CAM	Compliance Assurance Monitoring	CO	Carbon Monoxide
CEM	Continuous Emission Monitoring	CO_2e	Carbon Dioxide Equivalent
CFR	Code of Federal Regulations	dscf	Dry standard cubic foot
COM	Continuous Opacity Monitoring	dscm	Dry standard cubic meter
Department/ department	Michigan Department of Environmental Quality	°F	Degrees Fahrenheit
		gr	Grains
EU	Emission Unit	HAP	Hazardous Air Pollutant
FG	Flexible Group	Hg	Mercury
GACS	Gallons of Applied Coating Solids	hr	Hour
GC	General Condition	HP	Horsepower
GHGs	Greenhouse Gases	H_2S	Hydrogen Sulfide
HVLP	High Volume Low Pressure*	kW	Kilowatt
ID	Identification	lb	Pound
IRSL	Initial Risk Screening Level	m	Meter
ITSL	Initial Threshold Screening Level	mg	Milligram
LAER	Lowest Achievable Emission Rate	mm	Millimeter
MACT	Maximum Achievable Control Technology	MM	Million
MAERS	Michigan Air Emissions Reporting System	MW	Megawatts
MAP	Malfunction Abatement Plan	NMOC	Non-methane Organic Compounds
MDEQ	Michigan Department of Environmental Quality	NO_x	Oxides of Nitrogen
		ng	Nanogram
MSDS	Material Safety Data Sheet	PM	Particulate Matter
NA	Not Applicable	PM10	Particulate Matter equal to or less than 10 microns in diameter
NAAQS	National Ambient Air Quality Standards		
NESHAP	National Emission Standard for Hazardous Air Pollutants	PM2.5	Particulate Matter equal to or less than 2.5 microns in diameter
NSPS	New Source Performance Standards	pph	Pounds per hour
NSR	New Source Review	ppm	Parts per million
PS	Performance Specification	ppmv	Parts per million by volume
PSD	Prevention of Significant Deterioration	ppmw	Parts per million by weight
PTE	Permanent Total Enclosure	psia	Pounds per square inch absolute
PTI	Permit to Install	psig	Pounds per square inch gauge
RACT	Reasonable Available Control Technology	scf	Standard cubic feet
ROP	Renewable Operating Permit	sec	Seconds
SC	Special Condition	SO_2	Sulfur Dioxide
SCR	Selective Catalytic Reduction	TAC	Toxic Air Contaminant
SNCR	Selective Non-Catalytic Reduction	Temp	Temperature
SRN	State Registration Number	THC	Total Hydrocarbons
TEQ	Toxicity Equivalence Quotient	tpy	Tons per year
USEPA/EPA	United States Environmental Protection Agency	µg	Microgram
		µm	Micrometer or Micron
VE	Visible Emissions	VOC	Volatile Organic Compounds
		yr	Year

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

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 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 R 336.1219 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 R 336.1219 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 R 336.1301, 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 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 R 336.1370(2). **(R 336.1370)**

13. The Department may require the permittee to conduct acceptable performance tests, at the permittee's expense, in accordance with R 336.2001 and R 336.2003, under any of the conditions listed in R 336.2001. **(R 336.2001)**

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 (Process Equipment & Control Devices)	Installation Date / Modification Date	Flexible Group ID
EU-BOILER1	A 36.75 MMBtu/hr natural gas fired steam boiler capable of burning fuel oil as a back-up fuel. This boiler is located at the WHV Power Plant.	1/1/1975	FG-BOILERS
EU-BOILER2	A 36.75 MMBtu/hr natural gas fired steam boiler capable of burning fuel oil as a back-up fuel. This boiler is located at the WHV Power Plant.	1/1/1975	FG-BOILERS
EU-BOILER3	A 36.75 MMBtu/hr natural gas fired steam boiler capable of burning fuel oil as a back-up fuel. This boiler is located at the WHV Power Plant.	1/1/1975	FG-BOILERS
EU-EMGRICE1	This emission unit, and any replacement of this unit as applicable under R 336.1285(a)(vi), is for a 500 kW diesel-fueled reciprocating internal combustion emergency engine.	1/1/1998	FG-EMGGENS
EU-EMGRICE2	This emission unit, and any replacement of this unit as applicable under R 336.1285(a)(vi), is for a 500 kW diesel-fueled reciprocating internal combustion emergency engine.	1/1/1990	FG-EMGGENS
EU-EMGRICE3	This emission unit, and any replacement of this unit as applicable under R 336.1285(a)(vi), is for a 300 kW diesel-fueled reciprocating internal combustion emergency engine.	1/1/1990	FG-EMGGENS
EU-EMGRICE4	This emission unit, and any replacement of this unit as applicable under R 336.1285(a)(vi), is for a 1500 kW diesel-fueled reciprocating internal combustion emergency engine. This engine is expected to replace one of the existing 500 kW engines.	To be determined	FG-EMGGENS
EU-EMGRICE5	This emission unit, and any replacement of this unit as applicable under R 336.1285(a)(vi), is for a 1500 kW diesel-fueled reciprocating internal combustion emergency engine. This engine is expected to replace one of the existing 500 kW engines.	To be determined	FG-EMGGENS
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 336.1290.			

FLEXIBLE GROUP SUMMARY TABLE

Flexible Group ID	Flexible Group Description	Associated Emission Unit IDs
FG-BOILERS	Three (3) natural gas fired steam boilers capable of burning fuel oil as a back-up fuel.	EU-BOILER1, EU-BOILER2, EU-BOILER3
FG-EMGGENS	Five (5) diesel-fueled reciprocating internal combustion emergency engine generators.	EU-EMGRICE1, EU-EMGRICE2, EU-EMGRICE3, EU-EMGRICE4, EU-EMGRICE5
FG-NSPSIIII	Two (2) diesel-fueled reciprocating internal combustion emergency engine generators manufactured after 2007 and less than 3,000 hp.	EU-EMGRICE4, EU-EMGRICE5
FG-FACILITY	All process equipment source-wide including equipment covered by other permits, grand-fathered equipment and exempt equipment.	All emission units

The following conditions apply to: FG-BOILERS

DESCRIPTION: Three (3) natural gas-fired steam boilers capable of burning fuel oil as a back-up fuel.

Emission Units: EU-BOILER1, EU-BOILER2, EUBOILER3

POLLUTION CONTROL EQUIPMENT: NA

I. EMISSION LIMITS

Pollutant	Limit*	Time Period / Operating Scenario	Equipment	Testing / Monitoring Method	Underlying Applicable Requirements
1. SO_2	0.056 lb/MMBtu (when burning fuel oil)	daily	FG-BOILERS	SC VI.1, SC VI.2	R 336.1205(1)(a) & (3)
2. NOx	0.020 lb/gal (when burning fuel oil)	daily	Each boiler in FG-BOILERS	SC VI.1	R 336.1205(1)(a) & (3)
3. NOx	100 lb/MMscf (when burning natural gas)	daily	Each boiler in FG-BOILERS	SC VI.1	R 336.1205(1)(a) & (3)
*Limits are based on a fuel oil higher heating value of 138,000 Btu/gal and a sulfur content of 0.05 percent; and a natural gas higher heating value of 1,050 Btu/scf.					

II. MATERIAL LIMITS

1. The permittee shall burn only pipeline quality natural gas or fuel oil in FG-BOILERS. **((R 336.1205(1)(a) & (3))**

2. The sulfur content of the fuel oil used in FG-BOILERS shall not exceed 500 ppm (0.05 percent) by weight. **((R 336.1205(1)(a) & (3))**

III. PROCESS/OPERATIONAL RESTRICTIONS

1. Fuel oil shall only be burned in FG-BOILERS during periods of gas curtailment, gas supply interruption, startups, or periodic testing on liquid fuel. Periodic testing of liquid fuel shall not exceed a combined total of 48 hours during any calendar year for each boiler in FG-BOILERS. **(This requirement is necessary to avoid the requirements of 40 CFR Part 63 Subpart JJJJJJ.)**

IV. DESIGN/EQUIPMENT PARAMETERS

1. The permittee shall install, calibrate, maintain and operate in a satisfactory manner, a device to monitor and record the natural gas used in FG-BOILERS. **(R 336.1205(3))**

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 and record, in a satisfactory manner, the amount and types of fuels used in FG-BOILERS per month, and per 12-month rolling time period, as determined at the end of each calendar month. **(R 336.1205(3))**

2. The permittee shall maintain a complete record of the fuel oil specifications and/or fuel analysis for each delivery, or storage tank of fuel oil used in FG-BOILERS, demonstrating that the fuel sulfur content meets the requirement of SC II.2. These records may include purchase records for ASTM specification fuel oil, specifications or analyses provided by the vendor at the time of delivery, analytical results from laboratory testing, or any records adequate to demonstrate compliance with the percent sulfur limit in fuel oil. The certification or test data shall include the name of the oil supplier or laboratory, and the sulfur content of the fuel oil. **(R 336.1205(3))**

3. The permittee shall record in a satisfactory manner the hours of operation while burning fuel oil in each boiler of FG-BOILERS to demonstrate compliance with SC III.1. **(40 CFR Part 63 Subpart JJJJJJ)**

VII. REPORTING

NA

VIII. STACK/VENT RESTRICTIONS

NA

IX. OTHER REQUIREMENTS

1. The permittee shall comply with all applicable provisions of the National Emission Standards for Hazardous Air Pollutants, as specified in 40 CFR Part 63, Subpart A and Subpart JJJJJJ for Industrial, Commercial, and Institutional Boilers Area Sources. **(40 CFR Part 63 Subparts A and JJJJJJ)**

The following conditions apply to: FG-EMGGENS

DESCRIPTION: Five (5) diesel fuel fired emergency reciprocating internal combustion engine generators.

Emission Units: EU-EMGRICE1, EU-EMGRICE2, EU-EMGRICE3, EU-EMGRICE4, EU-EMGRICE5

POLLUTION CONTROL EQUIPMENT: NA

I. EMISSION LIMITS

NA

II. MATERIAL LIMITS

1. The sulfur content of the fuel oil used in FG-EMGGENS shall not exceed 500 ppm (0.05 percent) by weight. **(R 336.1205(1)(a) & (3))**

III. PROCESS/OPERATIONAL RESTRICTIONS

1. The permittee shall not operate each engine of FG-EMGGENS for more than 500 hours per year on a 12-month rolling time period basis as determined at the end of each calendar month. **((R 336.1205(1)(a) & (3))**

IV. DESIGN/EQUIPMENT PARAMETERS

1. The permittee shall equip and maintain each engine of FG-EMGGENS with non-resettable hours meters to track the operating hours. **(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 30th day of the calendar month, for the previous calendar month, unless otherwise specified in any monitoring/recordkeeping special condition. **(R 336.1205(3))**

2. The permittee shall monitor and record the hours of operation of each engine of FG-EMGGENS, on a monthly and 12-month rolling time period basis, in a manner that is acceptable to the District Supervisor, Air Quality Division. **(R 336.1205(3))**

3. The permittee shall maintain a complete record of the fuel oil specifications and/or fuel analysis for each delivery, or storage tank of fuel oil used in FG-EMGGENS, demonstrating that the fuel sulfur content meets the requirement of SC II.1. These records may include purchase records for ASTM specification fuel oil, specifications or analyses provided by the vendor at the time of delivery, analytical results from laboratory testing, or any records adequate to demonstrate compliance with the percent sulfur limit in fuel oil. The certification or test data shall include the name of the oil supplier or laboratory, and the sulfur content of the fuel oil. **(R 336.1205(3))**

4. The permittee shall maintain the following record for each engine of FG-EMGGENS. The following information shall be recorded and kept on file at the facility:

   a. Engine manufacturer;
   b. Date engine was manufactured;
   c. Engine model number;
   d. Engine horsepower;
   e. Engine serial number;
   f. Engine specification sheet;
   g. Date of initial startup of the engine; and
   h. Date engine was removed from service at this stationary source.

   All of the above information shall be stored in a format acceptable to the AQD District Supervisor. **(R 336.1205(3))**

VII. REPORTING

NA

VIII. STACK/VENT RESTRICTIONS

NA

IX. OTHER REQUIREMENTS

1. The permittee shall comply with all applicable provisions of the National Emission Standards for Hazardous Air Pollutants, as specified in 40 CFR Part 63, Subpart A and Subpart ZZZZ for Stationary Reciprocating Internal Combustion Engines. **(40 CFR Part 63 Subparts A and ZZZZ, 40 CFR 63.6585)**

The following conditions apply to: FG-NSPSIIII

DESCRIPTION: Two 1500 kilowatts (kW) diesel-fueled emergency engines.

Emission Units: EU-EMGRICE4, EU-EMGRICE5

POLLUTION CONTROL EQUIPMENT: NA

I. EMISSION LIMITS

Pollutant	Limit	Time Period / Operating Scenario	Equipment	Testing / Monitoring Method	Underlying Applicable Requirements
1. NOx+ NMHC	6.4 g/kW-hr	Test Protocol*	EU-EMGRICE4, EU-EMGRICE5	SC VI.2	40 CFR 60.4205(b), 60.4202(a), Table 1 of 40 CFR 89.112
2. CO	3.5 g/kW-hr	Test Protocol*	EU-EMGRICE4, EU-EMGRICE5	SC VI.2	40 CFR 60.4205(b), 60.4202(a), Table 1 of 40 CFR 89.112
3. PM	0.20 g/kW-hr	Test Protocol*	EU-EMGRICE4, EU-EMGRICE5	SC VI.2	40 CFR 60.4205(b), 60.4202(a), Table 1 of 40 CFR 89.112
*Test Protocol shall determine averaging time.					

II. MATERIAL LIMITS

1. The permittee shall burn only diesel fuel, in FG-NSPSIIII with the 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. **(40 CFR 60.4207, 40 CFR 80.510(b))**

III. PROCESS/OPERATIONAL RESTRICTIONS

1. The permittee may operate FG-NSPSIIII for no more than 100 hours per calendar year for the purpose of necessary maintenance checks and readiness testing, provided that the tests are recommended by Federal, State, or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. Permittee may petition the Department for approval of additional hours to be used for maintenance checks and readiness testing. A petition is not required if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency internal combustion engines beyond 100 hours per calendar year. FG-NSPSIIII may operate up to 50 hours per calendar year in non-emergency situations, but those 50 hours are counted towards the 100 hours per calendar year provided for maintenance and testing. The 50 hours per calendar year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to supply non-emergency power as part of a financial arrangement with another entity. **(40 CFR 60.4211(f))**

2. If the permittee purchased a certified engine, according to procedures specified in 40 CFR Part 60 Subpart IIII, for the same model year and maximum engine power, the permittee shall meet the following requirements for FG-NSPSIIII:
   a. Operate and maintain the certified engine and control device according to the manufacturer's emission-related written instructions;
   b. Change only those emission-related settings that are permitted by the manufacturer; and
   c. Meet the requirements as specified in 40 CFR 89, 94, and/or 1068, as they apply to you.

   If you do not operate and maintain the certified engine and control device according to the manufacturer's emission-related written instructions, the engine may be considered a non-certified engine. **(40 CFR 60.4211(a))**

3. If the permittee purchased a non-certified engine or a certified engine operating in a non-certified manner, the permittee shall keep a maintenance plan for FG-NSPSIIII and shall, to the extent practicable, maintain and operate each engine in a manner consistent with good air pollution control practice for minimizing emissions. **(40 CFR 60.4211(g)(3))**

IV. DESIGN/EQUIPMENT PARAMETERS

1. The permittee shall equip and maintain each FG-NSPSIIII with non-resettable hours meters to track the operating hours. **(40 CFR 60.4209)**

2. The nameplate capacity of FG-NSPSIIII shall not exceed 1500 kW, as certified by the equipment manufacturer. **(40 CFR 60.4202, 40 CFR 89.112(a))**

V. TESTING/SAMPLING

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

1. The permittee shall conduct an initial performance test for EUENGINE1 within one year after startup of the engine to demonstrate compliance with the emission limits in 40 CFR 60.4205 unless the engines have been certified by the manufacturer and the permittee maintains the engine as required by 40 CFR Part 60 Subpart IIII. If a performance test is required, the performance tests shall be conducted according to 40 CFR 60.4212. No less than 30 days prior to testing, a complete test plan shall be submitted to the AQD. The final plan must be approved by the AQD prior to testing. Verification of emission rates includes the submittal of a complete report of the test results to the AQD within 60 days following the last date of the test. Subsequent performance testing shall be conducted every 8,760 hours of engine operation or 3 years, whichever comes first. **(40 CFR 60.4211, 40 CFR 60.4212, 40 CFR Part 60 Subpart IIII)**

VI. MONITORING/RECORDKEEPING

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

1. For each engine, the permittee shall keep, in a satisfactory manner, records of testing required in SC V.1 or manufacturer certification documentation indicating that FG-NSPSIIII meets the applicable requirements contained in the federal Standards of Performance for New Stationary Sources 40 CFR Part 60 Subpart IIII. If either engine of FG-NSPSIIII becomes uncertified then the permittee must also keep records of a maintenance plan and maintenance activities. The permittee shall keep all records on file and make them available to the Department upon request. **(40 CFR 60.4211)**

2. The permittee shall monitor and record the total hours of operation and the hours of operation during non-emergencies for each engine of FG-NSPSIIII, on a monthly and 12-month rolling time period basis, in a manner acceptable to the District Supervisor, Air Quality Division. The permittee shall document how many hours are spent for emergency operation of each engine of FG-NSPSIIII, including what classified the operation as emergency and how many hours are spent for non-emergency operation. **(40 CFR 60.4211, 40 CFR 60.4214)**

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 FG-NSPSIIII, demonstrating that the fuel meets the requirement of 40 CFR 80.510(b). 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 336.1402(1), 40 CFR 80.510(b))**

VII. REPORTING

1. The permittee shall submit a notification specifying whether FG-NSPSIIII will be operated in a certified or a non-certified manner to the AQD District Supervisor, in writing, within 30 days following the initial startup of the engine and within 30 days of switching the manner of operation. **(40 CFR Part 60 Subpart IIII)**

VIII. STACK/VENT RESTRICTIONS

NA

IX. OTHER REQUIREMENTS

1. The permittee shall comply with the provisions of the federal Standards of Performance for New Stationary Sources as specified in 40 CFR Part 60 Subpart A and Subpart IIII, as they apply to each engine of FG-NSPSIIII. **(40 CFR Part 60 Subparts A & IIII)**

The following conditions apply Source-Wide to: FG-FACILITY

POLLUTION CONTROL EQUIPMENT: NA

I. EMISSION LIMITS

Pollutant	Limit	Time Period / Operating Scenario	Equipment	Testing / Monitoring Method	Underlying Applicable Requirements
1. NOx	85.2 tpy	12-month rolling time period as determined	FG-FACILITY	SC VI.1	R 336.1205(3)
2. SO2	27.1 tpy	12-month rolling time period as determined	FG-FACILITY	SC VI.2	R 336.1205(3)
3. CO	51.7 tpy	12-month rolling time period as determined	FG-FACILITY	SC VI.2	R 336.1205(3)

II. MATERIAL LIMITS

1. The diesel fuel usage for FG-FACILITY shall not exceed 6,790,761 gallons per year as based on a 12-month rolling time period. **(R 336.1205(1)(a) & (3))**

III. PROCESS/OPERATIONAL RESTRICTIONS

NA

IV. DESIGN/EQUIPMENT PARAMETERS

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 FG-FACILITY. **(R 336.1205(3))**

2. The permittee shall install, calibrate, maintain and operate in a satisfactory manner, a device to monitor and record the diesel fuel used from all fuel burning equipment at FG-FACILITY. **(R 336.1205(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 monitor and record, in a satisfactory manner, each fuel used for FG-FACILITY on a monthly basis. The permittee shall calculate monthly and 12-month rolling time period NOx emissions from FG-FACILITY and make them available to the Department upon request. For the purpose of demonstrating compliance with the NOx emission limit in SC I.1, the permittee shall use appropriate NOx emission factors. **(R 336.1205(1)(a) and (3))**

2. The permittee shall monitor and record, in a satisfactory manner, each fuel used for FG-FACILITY on a monthly basis. The permittee shall calculate monthly and 12-month rolling time period SO_2 emissions from FG-FACILITY and make them available to the Department upon request. For the purpose of demonstrating compliance with the SO_2 emission limit in SC I.2, the permittee shall use appropriate SO_2 emission factors. **(R 336.1205(1)(a) and (3))**

3. The permittee shall monitor and record, in a satisfactory manner, each fuel used for FG-FACILITY on a monthly basis. The permittee shall calculate monthly and 12-month rolling time period CO emissions from FG-FACILITY and make them available to the Department upon request. For the purpose of demonstrating compliance with the CO emission limit in SC I.3, the permittee shall use appropriate CO emission factors. **(R 336.1205(1)(a) and (3))**

VII. REPORTING

NA

VIII. STACK/VENT RESTRICTIONS

NA

IX. OTHER REQUIREMENTS

NA