

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

February 11, 2022

**PERMIT TO INSTALL
17-22**

ISSUED TO
FCA US LLC – Sterling Heights Assembly Plant

LOCATED AT
38111 Van Dyke Avenue
Sterling Heights, Michigan 48312

IN THE COUNTY OF
Macomb

STATE REGISTRATION NUMBER
B7248

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: December 1, 2021	
DATE PERMIT TO INSTALL APPROVED: February 11, 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-SPOT-REPAIR1-SOUTH	A dry filter spot repair booth. The booths are equipped with air atomized applicators or equivalent technology with comparable or better transfer efficiency.	08-01-2018 / 02-11-2022	FG-REPAIR-SOUTH FG-AUTOMACT FG-CONTROL-SOUTH FG-FACILITY-SOUTH
EU-SPOT-REPAIR2-SOUTH	A dry filter spot repair booth. The booths are equipped with air atomized applicators or equivalent technology with comparable or better transfer efficiency.	08-01-2018 / 02-11-2022	FG-REPAIR-SOUTH FG-AUTOMACT FG-CONTROL-SOUTH FG-FACILITY-SOUTH
HEAVY-REPAIR-SOUTH	A dry filter repair booth used for sanding, wiping and prep work prior to painting. No painting occurs in this area.	02-19-2018	FG-REPAIR-SOUTH FG-AUTOMACT FG-CONTROL-SOUTH FG-FACILITY-SOUTH
EU-ENG-PH1	<p>FG-ENG-FIREPUMP: 40 CFR Part 60, Subpart IIII – New Source Performance Standards, for, new emergency, compression ignition (CI) reciprocating internal combustion engines (RICE), that have a maximum site rating of less than 500 brake hp. The emergency engines are for the fire pumps located in the pump house. The two engines are certified.</p> <p>294 < 500 HP, diesel fueled, emergency reciprocating internal combustion engine (CI RICE, Em).</p>	04-24-2002	FG-ENG-FIREPUMP

Emission Unit ID	Emission Unit Description (Including Process Equipment & Control Device(s))	Installation Date / Modification Date	Flexible Group ID
EU-ENG-PH2	<p>FG-ENG-FIREPUMP: 40 CFR Part 60, Subpart IIII – New Source Performance Standards, for, new emergency, compression ignition (CI) reciprocating internal combustion engines (RICE), that have a maximum site rating of less than 500 brake hp. The emergency engines are for the fire pumps located in the pump house. The two engines are certified.</p> <p>335 < 500 HP, diesel fueled, emergency reciprocating internal combustion engine (CI RICE, Em).</p>	04-24-2002	FG-ENG-FIREPUMP
EU-ENG-NORTH-PSHOP1	383 HP, natural gas fueled, emergency reciprocating internal combustion engine. (383 HP, certified, NG SI RICE NSPS 4J, EM).	05-01-2013	FG-NSPS JJJJ EMERGENCY > 100 BUT < 500 HP
EU-ENG-NORTH-BSHOP	335 HP, natural gas fueled, emergency reciprocating internal combustion engine. (335 HP, certified, NG SI RICE NSPS 4J, EM).	05-01-2013	FG-NSPS JJJJ EMERGENCY > 100 BUT < 500 HP
EU-ENG-PSHOP-NC-701HP	701 HP, natural gas fueled, emergency reciprocating internal combustion engine. (701 > 500 HP, 5/1/13, SI RICE NSPS 4J, non-certified, every 8,760 or triennial (1/3 years), whichever occurs first, operating hours emissions testing).	05-01-2013	FG-NSPS JJJJ EMERGENCY > 500 HP

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

FLEXIBLE GROUP SPECIAL CONDITIONS

FLEXIBLE GROUP SUMMARY TABLE

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

Flexible Group ID	Flexible Group Description	Associated Emission Unit IDs
FG-REPAIR-SOUTH	Spot and final repair operations for the south paint shop used to paint truck boxes.	EU-SPOT-REPAIR1-SOUTH EU-SPOT-REPAIR2-SOUTH EU-HEAVY-REPAIR-SOUTH
FG-ENG-FIREPUMP	FG-ENG-FIREPUMP: 40 CFR Part 60, Subpart IIII – New Source Performance Standards, for, new emergency, compression ignition (CI) reciprocating internal combustion engines (RICE), that have a maximum site rating of less than 500 brake hp. The emergency engines are for the fire pumps located in the pump house.	EU-ENG-PH1, EU-ENG-PH2
FG-NSPS JJJJ EMERGENCY > 100 BUT < 500 HP	This flexible group includes new emergency spark ignition (SI) natural gas fired stationary reciprocating internal combustion engines (RICE)) that have a maximum site rating of greater than or equal to 100 brake horsepower (≥ 100 HP) but less than 500 (< 500 HP) and subject to 40 CFR 60, Subpart JJJJ (NG SI RICE NSPS 4J).	EU-ENG-NORTH-PSHOP1 EU-ENG-NORTH-BSHOP
FG-NSPS JJJJ EMERGENCY > 500 HP	This flexible group includes new emergency spark ignition (SI) natural gas fired stationary reciprocating internal combustion engines (RICE)) that have a maximum site rating of greater than or equal to 500 brake horsepower (HP) and subject to 40 CFR 60, Subpart JJJJ (NSPS 4J).	EU-ENG-PSHOP-NC-701HP EU-ENG-GEN1-SOUTH EU-ENG-GEN2-SOUTH

**FG-REPAIR-SOUTH
 FLEXIBLE GROUP CONDITIONS**

DESCRIPTION

Spot and final repair operations for the south paint shop used to paint truck boxes.

Emission Unit: EU-SPOT-REPAIR1-SOUTH, EU-SPOT-REPAIR2-SOUTH, EU-HEAVY-REPAIR-SOUTH

POLLUTION CONTROL EQUIPMENT

Dry filter particulate control system

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period / Operating Scenario	Equipment	Monitoring / Testing Method	Underlying Applicable Requirements
1. VOC	4.8 pounds per gallon (minus water), as applied	Daily volume weighted average	FG-REPAIR-SOUTH (BOX)	SC VI.3	R 336.1702(a) R336.2810
2. VOC, acetone, methyl acetate and TBA combined	11.0 Tpy	12-month rolling time period as determined at the end of each calendar month	FG-REPAIR-SOUTH (BOX)	SC VI.3	R 336.1224 R 336.1702(a) R336.2810
3. PM	0.0031 pounds per 1,000 pounds of exhaust gas ^β	Hourly	FG-REPAIR-SOUTH (BOX) (combined spot repair booths)	SC V.2	R 336.1331
4. PM10	0.25 pph	Hourly	FG-REPAIR-SOUTH (BOX) (combined spot repair booths)	SC V.2	R 336.1205(1)(a)&(1)(b) 40 CFR 52.21 (c) & (d)
5. PM2.5	0.25 pph	Hourly	FG-REPAIR-SOUTH (BOX) (combined spot repair booths)	SC V.3	R 336.1205(1)(a)&(1)(b) R 336.2803 R 336.2804 R 336.2810

^β Pounds of PM per 1,000 pounds of exhaust gas shall be calculated on a wet gas basis

II. MATERIAL LIMIT(S)

NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. All waste coatings and VOC, acetone, methyl acetate and TBA containing materials shall be captured and stored in closed containers and disposed of in an acceptable manner in compliance with all applicable state rules and federal regulations. **(R 336.1205, R 336.1224, R 336.1702(a), R 336.2810)**

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. The permittee shall not operate the FG-REPAIR-SOUTH (BOX) unless the dry filter particulate control system(s) in each booth are installed maintained and operated in a satisfactory manner. **(R 336.1224, R 336.1910)**

V. TESTING/SAMPLING

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

1. The VOC content of any coating or material, as applied and as received shall be determined using federal Reference Test Method 24. Upon prior approval of the AQD District Supervisor, the VOC content of any coating may alternatively be determined from manufacturer's formulation data. **(R 336.1702(a), R 336.2001, R 336.2003, R 336.2004, R 336.2810)**
2. Upon request of the AQD District Supervisor, the permittee shall verify PM and PM10 emission rates from the spot repair booth portion of FG-REPAIR SOUTH, by testing at owner's expense, in accordance with Department requirements. The hourly emission rate during testing shall be determined by the average of the acceptable test runs per the method requirements. Testing shall be performed using an approved EPA Method listed in the Reference Test Method Table included in this special condition. Testing shall be repeated at least once every five years, unless the permittee has submitted a demonstration that the most recent acceptable test remains valid and representative. Alternatively, the permittee may request approval from the AQD District Supervisor to use other similar test results for compliance purposes.

An alternate method, or a modification to the approved EPA Method, may be specified in an AQD-approved Test Protocol and must meet the requirements of the federal Clean Air Act, all applicable state and federal rules and regulations, and be within the authority of the AQD to make the change. 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, including any modifications to the method in the test protocol that are proposed after initial submittal. The permittee must submit 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 336.1331, R 336.2001, R 336.2003, R 336.2004, 40 CFR 52.21 (c) and (d))**

Reference Test Method Table

Pollutant	Test Method Reference
PM	40 CFR Part 60, Appendix A; Part 10 of the Michigan Air Pollution Control Rules
PM10	40 CFR Part 51, Appendix M

3. Upon request of the AQD District Supervisor, the permittee shall verify PM2.5 emission rates from the spot repair booth portion of FG-REPAIR SOUTH, by testing at owner's expense, in accordance with Department requirements. The hourly emission rate during testing shall be determined by the average of the acceptable test runs per the method requirements. Testing shall be performed using an approved EPA Method listed in the Reference Test Method Table included in this special condition. Testing shall be repeated at least once every five years, unless the permittee has submitted a demonstration that the most recent acceptable test remains valid and representative. Alternatively, the permittee may request approval from the AQD District Supervisor to use other similar test results for compliance purposes.

An alternate method, or a modification to the approved EPA Method, may be specified in an AQD-approved Test Protocol and must meet the requirements of the federal Clean Air Act, all applicable state and federal rules and regulations, and be within the authority of the AQD to make the change. 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, including any modifications to the method in the test protocol that are proposed after initial submittal. The permittee must submit 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 336.1331, R 336.2001, R 336.2003, R 336.2004, R 336.2803, R 336.2804, R 336.2810, 40 CFR 52.21 (c) and (d))

Reference Test Method Table

Pollutant	Test Method Reference
PM2.5	40 CFR Part 51, Appendix M

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 end of the calendar month, for the previous calendar month, unless otherwise specified in any monitoring/recordkeeping special condition. (R 336.1205, R 336.1224, R 336.1225, R 336.1702, R 336.2810)
2. The permittee shall maintain a current listing from the manufacturer of the chemical composition of each coating and material, including the weight percent of each component used in FG-REPAIR-SOUTH (BOX). The data may consist of Material Safety Data Sheets, manufacturer’s formulation data, or both. The data shall be made available to the Department upon request. (R 336.1224, R 336.1225, R 336.1702(a), R 336.2810)
3. The permittee shall keep usage and VOC emissions calculations records on a monthly basis for each material (as received or as applied if applicable) used in FG-REPAIR-SOUTH (BOX). The records shall be kept in a format acceptable to the AQD District Supervisor, and as a minimum shall indicate the following:
 - a) A description of the material and its VOC content in pounds per gallon (minus water and with water, where applicable).
 - b) The monthly usage rate of each material.
 - c) The amount of material reclaimed where applicable.
 - d) The VOC, acetone, methyl acetate and TBA combined emission calculations determining the total VOC mass emissions in tons per calendar month and tons per year based on a 12-month rolling time period as determined at the end of each month.
 - e) Monthly calculations of the average daily pounds of VOC per gallon, unless all coatings contain less than 4.8 pounds VOC per gallon minus water, as applied.

All such records are for the purpose of compliance demonstration. All records shall be kept on file and made available to the Department upon request. (R 336.1205, R 336.1224, R 336.1225, R 336.1702(a), R 336.2810)

VII. REPORTING

1. The permittee shall submit any performance test reports to the AQD Technical Programs Unit and District Office, in a format approved by the AQD. (R 336.2001(5))

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-SPOT-REPAIR1-SOUTH (BOX) & SV-SPOT-REPAIR2-SOUTH (BOX) (Combined into 1 stack)	70.0	74.0	R 336.1225, R 336.2803, R 336.2804, 40 CFR 52.21 (c) & (d)

2. The permittee shall discharge the exhaust gases from the EU-HEAVY-REPAIR-SOUTH (BOX) portion of FG-REPAIR-SOUTH (BOX) into the general in-plant environment. **(R 336.1225, R 336.2803, R 336.2804)**

IX. OTHER REQUIREMENT(S)

1. The permittee shall comply with all provisions of the National Emission Standards for Hazardous Air Pollutants as specified in 40 CFR Part 63, Subparts A and IIII (NESHAP / MACT 4I), as they apply to FG-REPAIR-SOUTH (BOX). **(40 CFR Part 63 Subparts A and IIII)**

Footnotes:

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

**FG-ENG-FIREPUMP
 FLEXIBLE GROUP CONDITIONS**

DESCRIPTION

FG-ENG-FIREPUMP: 40 CFR Part 60, Subpart IIII – New Source Performance Standards, for, new emergency, compression ignition (CI) reciprocating internal combustion engines (RICE), that have a maximum site rating of less than 500 brake hp. The emergency engines are for the fire pumps located in the pump house.

Emission Units: EU-ENG-PH1 (certified) and EU-ENG-PH2 (certified)

POLLUTION CONTROL EQUIPMENT

NA

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Testing/ Monitoring Method	Underlying Applicable Requirements
1. NMHC ^H +NOx	3.0g/bhp-hr	Hourly	Each EU in FG-ENG-FIREPUMP	SC V.1 SC VI.2 SC VI.3	40 CFR 60.4205(c) Table 4
2. CO	2.6 g/bhp-hr	Hourly	Each EU in FG-ENG-FIREPUMP	SC V.1 SC VI.2 SC VI.3	40 CFR 60.4205(c) Table 4
3. PM	0.15 g/bhp-hr	Hourly	Each EU in FG-ENG-FIREPUMP	SC V.1 SC VI.2 SC VI.3	40 CFR 60.4205(c) Table 4

^H NMHC = nonmethane hydrocarbon

II. MATERIAL LIMIT(S)

1. The permittee shall burn only diesel fuel in FG-ENG-FIREPUMP with a maximum sulfur content of 15 ppm (0.0015 percent) by weight (known as Ultra-Low Sulfur Diesel or ULSD), and a minimum cetane index of 40 or a maximum aromatic content of 35 volume percent. **(R 336.1205(1)(a) & (b), 40 CFR 60.4207(b), 40 CFR 80.510(b))**

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee may operate each EU in FG-ENG-FIREPUMP 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. The 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. Each EU in FG-FIREPUMP 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. Except as provided in 40 CFR 60.4211(f)(3)(i), the 50 hours per calendar year for non-emergency situations cannot be used for peak shaving or demand response, or to generate income for the permittee 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 each respective EU in FG-ENG-FIREPUMP:
 - 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 each respective EU in FG-ENG-FIREPUMP.

If the permittee does 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) & (c))**

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 each respective EU in FG-ENG-FIREPUMP and shall, to the extent practicable, maintain and operate engine in a manner consistent with good air pollution control practice for minimizing emissions. **(40 CFR 60.4211(g)(2))**
4. The permittee shall not operate any fire pump in FG-ENG-FIREPUMP for more than 8 hours per calendar day for non-emergency use. **(40 CFR 52.21 (c) & (d))**

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. The permittee shall install a non-resettable hour meter on each engine in FG-ENG-FIREPUMP. **(40 CFR 60.4209(a))**

V. TESTING/SAMPLING

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

1. If any EU in FG-ENG-FIREPUMP is not installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions, or the permittee changes emission-related settings in a way that is not permitted by the manufacturer, the permittee must demonstrate compliance as follows:
 - a) Conduct an initial performance test to demonstrate compliance with the applicable emission standards within one year of startup, or within one year after an engine and control device is no longer installed, configured, operated, and maintained in accordance with the manufacturer's emission-related written instructions, or within one year after you change emission-related settings in a way that is not permitted by the manufacturer.
 - b) If a performance test is required, the performance tests shall be conducted according to 40 CFR 60.4212.
2. 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, including any modifications to the method in the test protocol that are proposed after initial submittal. The permittee must submit 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. **(40 CFR 60.4211(g)(2), 40 CFR 60.4212)**

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. **(40 CFR 60.4211, 40 CFR 60.4214)**
2. The permittee shall keep, in a satisfactory manner, the following records for each EU in FG-ENG-FIREPUMP:
 - a) For certified engine: The permittee shall keep records of the manufacturer certification documentation.
 - b) For uncertified engine: The permittee shall keep records of testing required in SC V.1.

The permittee shall keep all records on file and make them available to the Department upon request. **(40 CFR 60.4211)**

3. The permittee shall keep, in a satisfactory manner, the following records of maintenance activity for each EU in FG-ENG-FIREPUMP:
 - a) For certified engine: The permittee shall keep records of the manufacturer's emission-related written instructions, and records demonstrating that the engine has been maintained according to those instructions, as specified in SC III.2.
 - b) For uncertified engine: The permittee shall keep records of a maintenance plan, as required by SC III.3, and maintenance activities.

The permittee shall keep all records on file and make them available to the Department upon request. **(40 CFR 60.4211)**

4. The permittee shall monitor and record the total hours of operation and the hours of operation during non-emergencies for each EU in FG-ENG-FIREPUMP, on a monthly, and 12-month rolling time period basis, in a manner acceptable to the AQD District Supervisor. The permittee shall document how many hours are spent for emergency operation of each EU in FGFIREPUMP, including what classified the operation as emergency. **(40 CFR 60.4211, 40 CFR 60.4214)**
5. The permittee shall monitor and record the hours of operation during non-emergency use for each EU in FG-ENG-FIREPUMP on a calendar day basis, in a manner acceptable to the AQD District Supervisor. The permittee shall document how many hours are spent for emergency operation of each EU in FGFIREPUMP, including what classified the operation as emergency. **(40 CFR 52.21(c) & (d))**

VII. REPORTING

1. For each engine in FG-ENG-FIREPUMP that is an emergency stationary engine with a site rating of more than 100 brake hp that operates or is contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in 40 CFR 60.4211(f)(2)(ii) and (iii) or that operates for the purpose specified in 40 CFR 60.4211(f)(3)(i), the permittee must submit an annual report according to the requirements below and as specified in 40 CFR 60.4214(d): **(40 CFR 60.4214(d))**
 - a) The report must contain the following information:
 - i. Company name and address where the engine is located.
 - ii. Date of the report and beginning and ending dates of the reporting period.
 - iii. Engine site rating and model year.
 - iv. Latitude and longitude of the engine in decimal degrees reported to the fifth decimal place.
 - v. Hours operated for the purposes specified in 40 CFR 60.4211(f)(2)(ii) and (iii), including the date, start time, and end time for engine operation for the purposes specified in 40 CFR 60.4211(f)(2)(ii) and (iii).
 - vi. Number of hours the engine is contractually obligated to be available for the purposes specified in 40 CFR 60.4211(f)(2)(ii) and (iii).
 - vii. Hours spent for operation for the purpose specified in 40 CFR 60.4211(f)(3)(i), including the date, start time, and end time for engine operation for the purposes specified in 40 CFR 60.4211(f)(3)(i). The report must also identify the entity that dispatched the engine and the situation that necessitated the dispatch of the engine.
 - viii. If there were no deviations from the fuel requirements in 40 CFR 63.6604 that apply to the engine (if any), a statement that there were no deviations from the fuel requirements during the reporting period.
 - ix. If there were deviations from the fuel requirements in 40 CFR 63.6604 that apply to the engine (if any), information on the number, duration, and cause of deviations, and the corrective action taken
 - b) The first annual report must cover the calendar year 2015 and must be submitted no later than March 31, 2016. Subsequent annual reports for each calendar year must be submitted no later than March 31 of the following calendar year.
 - c) The annual report must be submitted electronically using the subpart specific reporting form in the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through EPA's Central Data Exchange (CDX) (www.epa.gov/cdx). However, if the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, the written report must be submitted to the Administrator at the appropriate address listed in 40 CFR 60.4.

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. SV-ENG-PH1	7.5	25	40 CFR 52.21 (c) & (d)
2. SV-ENG-PH2	7.5	25	40 CFR 52.21 (c) & (d)

IX. OTHER REQUIREMENT(S)

1. The permittee shall comply with all applicable provisions of the federal Standard of Performance for New Stationary Sources , as specified in 40 CFR Part 60, Subpart A and Subpart IIII, for Stationary Reciprocating Internal Combustion Engines as they apply to each EU in FG-ENG-FIREPUMP. **(40 CFR Part 60, Subparts A and IIII)**

Footnotes:

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

**FG-NSPS JJJJ EMERGENCY > 100 BUT < 500 HP
 FLEXIBLE GROUP CONDITIONS**

DESCRIPTION

FG-NSPS JJJJ EMERGENCY > 100 BUT < 500 HP: This flexible group includes new emergency spark ignition (SI) natural gas fired stationary reciprocating internal combustion engines (RICE)) that have a maximum site rating of greater than or equal to 100 brake horsepower (≥ 100 HP) but less than 500 (< 500 HP) and subject to 40 CFR 60, Subpart JJJJ (NG SI RICE NSPS 4J).

Emission Units: EU-ENG-NORTH-PSHOP1 (383 HP, 05/01/2013, certified) and EU-ENG-NORTH-BSHOP (335 HP, 05/01/2013, certified)

POLLUTION CONTROL EQUIPMENT

NA

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Testing/ Monitoring Method	Underlying Applicable Requirements
1. NOx	2.0 g/hp-hr or 160 ppmvd @15% O ₂	Hourly*	EU-ENG-NORTH- PSHOP1 EU-ENG-NORTH- PSHOP2	SC V.1 or SC V.2 or SC V.3	40 CFR 60.4233(e) Table 1
2. CO	4.0 g/hp-hr or 540 ppmvd @15% O ₂	Hourly*	EU-ENG-NORTH- PSHOP1 EU-ENG-NORTH- PSHOP2	SC V.1 or SC V.2 or SC V.3	40 CFR 60.4233(e) Table 1
3. VOC	1.0 g/hp-hr or 86 ppmvd @15% O ₂	Hourly*	EU-ENG-NORTH- PSHOP1 EU-ENG-NORTH- PSHOP2	SC V.1 or SC V.2 or SC V.3	40 CFR 60.4233(e) Table 1

* Hourly based upon 3-run average according to AQD approved Test Protocol

II. MATERIAL LIMIT(S)

The permittee shall burn only pipeline quality sweet natural gas. **(R336.1201(3), 40 CFR, 60.4248)**

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee may operate EU-ENG-NORTH-PSHOP1 & EU-ENG-NORTH-PSHOP2 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, 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 year. EU-ENG-NORTH-PSHOP1 and EU-ENG-NORTH-PSHOP2 may operate up to 50 hours per year in non-emergency situations, but those 50 hours are counted towards the 100 hours per year provided for maintenance and testing. The 50 hours per year for non-emergency situations cannot be used for peak

shaving or to generate income for a facility to supply non-emergency power as part of a financial arrangement with another entity. **(40 CFR 60.4243(d))**

2. The permittee shall operate and maintain EU-ENG-NORTH-PSHOP1 and EU-ENG-NORTH-PSHOP2 such that it meets the emission limits in SC I.1, I.2, and I.3 over the entire life of the engine. **(40 CFR 60.4234, 40 CFR 60.4243(b))**
3. If the permittee purchased a certified engine, according to procedures specified in 40 CFR Part 60 Subpart JJJJ, for the same model year, the permittee shall meet the following requirements for EU-ENG-NORTH-PSHOP1 and EU-ENG-NORTH-PSHOP2:
 - a) Operate and maintain the certified engine and control device according to the manufacturer's emission-related written instructions,
 - b) Keep a maintenance plan and the permittee may only change those engine settings that are permitted by the manufacturer. If you do not operate and maintain the certified engine and control device according to the manufacturer's emission-related written instructions, the engine will be considered a non-certified engine. **(40 CFR 60.4243(b)(1))**
4. The permittee shall not operate any engine in FG-NSPS JJJJ EMERGENCY > 100 BUT < 500 HP for more than 8 hours per calendar day for non-emergency use. **(40 CFR 52.21 (c) & (d))**

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. EU-ENG-NORTH-PSHOP1 & EU-ENG-NORTH-PSHOP2 shall be equipped with a non-resettable hour meter. **(40 CFR 60.4237 (b))**
2. It is expected that air-to-fuel ratio controllers will be used with the operation of three-way catalysts/non-selective catalytic reduction. The AFR controller must be maintained and operated appropriately in order to ensure proper operation of the engine and control device to minimize emissions at all times. **(40 CFR 60.4243(g))**

V. TESTING/SAMPLING

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

NA

VI. MONITORING/RECORDKEEPING

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

1. The permittee shall keep records of the hours of operation for each emission unit EU-ENG-NORTH-PSHOP1 and EU-ENG-NORTH-PSHOP2 through a non-resettable hour meter. The permittee must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. **(40 CFR 60.4245(b))**
2. The permittee shall keep records of all **notifications** submitted to comply with this subpart and all documentation supporting any notification. **(40 CFR 60.4245(a)(1))**
3. The permittee shall keep records of **maintenance** conducted to demonstrate compliance. **(40 CFR 60.4243(a)(2), 60.4245(2))**
4. The permittee shall keep records of documentation from the manufacturer that the engine is certified to meet the emission standards and information as required in 40 CFR parts 90, 1048, 1054 and 1060, as applicable. **(40 CFR 60.4245(a)(3))**
5. If EU-ENG-NORTH-PSHOP1 and EU-ENG-NORTH-PSHOP2 are not a certified engine or a certified engine is operating in a non-certified manner and subject to 60.4243(a)(2), documentation that the engine meets the emission standards. **(40 CFR 60.4245(a)(4))**

6. The permittee shall monitor and record the total hours of operation and the hours of operation during non-emergencies for each EU in FG-NSPS JJJJ EMERGENCY > 100 BUT < 500 HP ENG-FIREPUMP, on a calendar day basis, in a manner acceptable to the AQD District Supervisor. The permittee shall document how many hours are spent for emergency operation of each EU in FGFIREPUMP, including what classified the operation as emergency. **(40 CFR 52.21(c) & (d))**

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-ENGPNT1	7.5	10	40 CFR 52.21 (c) & (d)
2. SV-ENGBOD	7.5	10	40 CFR 52.21 (c) & (d)

IX. OTHER REQUIREMENT(S)

1. The permittee shall comply with all applicable provisions of the New Source Performance Standards, as specified in 40 CFR Part 60, Subpart A and Subpart JJJJ (NSPS A & 4J), as they apply to each affected emergency engine. **(40 CFR Part 60, Subparts A and JJJJ)**

Footnotes:

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

**FG-NSPS JJJJ EMERGENCY > 500 HP
 FLEXIBLE GROUP CONDITIONS**

DESCRIPTION

FG-NSPS JJJJ EMERGENCY > 500 HP: This flexible group includes new emergency spark ignition (SI) natural gas fired stationary reciprocating internal combustion engines (RICE)) that have a maximum site rating of greater than or equal to 500 brake horsepower (HP) and subject to 40 CFR 60, Subpart JJJJ (NSPS 4J). The engines (3) are not certified per NSPS 4J. All SI RICE engines are pipeline quality sweet natural gas only fired.

Emission Units: EU-ENG-PSHOP-NC-701HP(05/01/2013 after July 1, 2008), EU-ENG-GEN1-SOUTH 01/19/2018 after July 1, 2008) & EU-ENG-GEN2-SOUTH (01/19/2018 after July 1, 2008). All (3) engines are not certified per NSPS 4J.

POLLUTION CONTROL EQUIPMENT

NA

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Testing/ Monitoring Method	Underlying Applicable Requirements
1. NO _x ^θ	2.0 g/HP-hr OR 160 Ppmvd	Hourly	Each engine in FG-NSPS JJJJ EMERGENCY > 500 HP	SC VI.3 OR SC V.1	40 CFR 60.4233(e) Table 1
2. CO ^θ	4.0 g/HP-hr OR 540 Ppmvd	Hourly	Each engine in FG-NSPS JJJJ EMERGENCY > 500 HP	SC VI.3 OR SC V.1	40 CFR 60.4233(e) Table 1
3. VOC ^{θ,β}	1.0 g/HP-hr OR 86 Ppmvd	Hourly	Each engine in FG-NSPS JJJJ EMERGENCY > 500 HP	SC VI.3 OR SC V.1	40 CFR 60.4233(e) Table 1, R 336.2810

^θ Owners and operators of stationary **non-certified** SI engines may choose to comply with the emission standards in units of either g/HP-hr or ppmvd at 15 percent O₂. (See Table 1 to 40 CFR 60 Subpart JJJJ.). All (3) engines are **not certified** per NSPS 4J and **triennial** (every 8,760 hours of engine operation) emissions testing is required.

^β For purposes of this emission limit, when calculating emissions of VOC, emissions of *formaldehyde* should not be included. (See Table 1 to 40 CFR 60 Subpart JJJJ.)

II. MATERIAL LIMIT(S)

- The permittee shall burn **only** pipeline quality sweet natural gas in each engine in FG-NSPS JJJJ EMERGENCY > 500 HP as defined in 40 CFR 60.4248. **(R 336.1201(3), 40 CFR 60.4248)**

III. PROCESS/OPERATIONAL RESTRICTION(S)

- The permittee may operate EU-ENG-PSHOP-NC-701HP 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, 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 year. EU-ENG-PSHOP-NC-701HP may operate up to **50** hours per year in non-emergency situations, but those 50 hours are counted towards the **100** hours per year provided for maintenance and testing. The 50 hours per year for non-emergency situations cannot be used for peak shaving or to generate income for a facility to supply non-emergency power as part of a financial arrangement with another entity. **(40 CFR 60.4243(d))**

2. The permittee may operate EU-ENG-GEN1-SOUTH and EU-ENG-GEN2-SOUTH 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. These hours are included as part of the **500** hour per calendar year individual and **600** hour per calendar year combined limits listed under SC III.3 below. The 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. **(40 CFR 60.4243(d))**
3. The permittee shall not operate EU-ENG-GEN1-SOUTH and EU-ENG-GEN2-SOUTH for more than **600** hours per calendar year combined and either engine for more than 500 hours per calendar year. **(R 336.1205, R 336.2803, R 336.2804, R 336.2810)**
4. The permittee shall operate and maintain each engine in FG-NSPS JJJJ EMERGENCY > 500 HP, such that it meets the emission limits in SC I.1, I.2, and I.3 over the entire life of the engine. **(40 CFR 60.4243(b))**
5. 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 each engine in FG-NSPS JJJJ EMERGENCY > 500 HP 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 60.4243(b)(2))**
6. The permittee shall not operate EU-ENG-SHOP-NC-701HP for more than 8 hours per calendar day for non-emergency purposes. Hours of operation for this EU while preparing for and conducting emission tests required by this permit or applicable standard are not subject to the 8 hr/day limit. **(40 CFR 52.21 (c) & (d))**

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. Each engine in FG-NSPS JJJJ EMERGENCY > 500 HP shall be equipped with a non-resettable hour meter. **(40 CFR 60.4237 (b))**
2. It is expected that air-to-fuel ratio controllers will be used with the operation of three-way catalysts/non-selective catalytic reduction. The AFR controller must be maintained and operated appropriately in order to ensure proper operation of the engine and control device to minimize emissions at all times. **(40 CFR 60.4243(g))**

V. TESTING/SAMPLING

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

1. For any engine that is a *non-certified engine* or a certified engine operating in a non-certified manner, per 40 CFR Part 60 Subpart JJJJ, the permittee must demonstrate compliance as follows:²
 - a) Conduct an initial performance test to demonstrate compliance with the applicable emission standards in SC I.1, I.2, and I.3, within one year after each engine in FG-NSPS JJJJ EMERGENCY > 500 HP is no longer installed, configured, operated, and maintained in accordance with the manufacturer's emission-related written instructions, or within one year after changing emission-related settings in a way that is not permitted by the manufacturer.
 - b) If a performance test is required, the performance tests shall be conducted according to 40 CFR 60.4244.

- c) Conduct subsequent performance testing every 8,760 hours of engine operation or every three (triennial) years, whichever comes first, thereafter, to demonstrate compliance with the applicable emission standards.

If a performance test is required, no less than 30 days prior to testing, a complete test plan shall be submitted to the AQD Technical Programs Unit and District Office. The AQD must approve the final plan prior to testing. The permittee must submit 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.² **(40 CFR 60.8, 40 CFR 60.4243, 40 CFR 60.4244, 40 CFR 60.4245, 40 CFR Part 60 Subpart JJJJ)**

VI. MONITORING/RECORDKEEPING

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

1. The permittee shall keep records of the *hours of operation* for each month and each calendar year for each engine in FG-NSPS JJJJ EMERGENCY > 500 HP through a *non-resettable hour meter*. The permittee must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. **(40 CFR 60.4245(b))**
2. The permittee shall keep a record of the combined hours of operation for each month and each calendar year for EU-ENG-GEN1-SOUTH and EU-ENG-GEN2-SOUTH. **(R 336.1205)**
3. The permittee shall keep records of all notifications submitted to comply with this subpart and all documentation supporting any notification. **(40 CFR 60.4245(a)(1))**
4. The permittee shall keep, in a satisfactory manner, the following records for each engine in FG-NSPS JJJJ EMERGENCY > 500 HP:
 - a) If non-certified: The permittee shall keep records of testing required in SC V.1. The permittee shall keep records of documentation from the manufacturer that the engine is certified to meet the emission standards and information as required in 40 CFR parts 90, 1048, 1054 and 1060, as applicable. **(40 CFR 60.4245(a)(3))**
 - b) If non-certified: The permittee shall keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. **(40 CFR 60.4243(b))**
 - c) If any engine in FG-NSPS JJJJ EMERGENCY > 500 HP is not a certified engine or a certified engine is operating in a non-certified manner and subject to 60.4243(a)(2), documentation that the engine meets the emission standards. **(40 CFR 60.4245(a)(4))**
5. The permittee shall monitor and record the total hours of operation and the hours of operation during non-emergencies for EU-ENG-PSHOP-NC-701HP on a calendar day, in a manner acceptable to the AQD District Supervisor. The permittee shall document how many hours are spent for emergency operation of each EU in FGFIREPUMP, including what classified the operation as emergency. **(40 CFR 52.21 (c) & (d))**

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- ENG-GEN1-SOUTH	7.5	15.0	R 336.1225 R 336.2803 R 336.2804
2. SV- ENG-GEN2-SOUTH	7.5	15.0	R 336.1225 R 336.2803 R 336.2804
3. SV-ENGPNT2	7.5	10	40 CFR 52.21 (c) & (d)

IX. OTHER REQUIREMENT(S)

1. The permittee shall comply with all applicable provisions of the New Source Performance Standards, as specified in 40 CFR Part 60, Subpart A and Subpart JJJJ (NSPS A & 4J), as they apply to each affected emergency engine. **(40 CFR Part 60, Subparts A and JJJJ)**
2. The permittee shall comply with all applicable provisions of the National Emission Standards for Hazardous Air Pollutants, as specified in 40 CFR, Part 63, Subparts A-General Provisions and ZZZZ (NESHAP / MACT A & 4Z)- National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines. **(40 CFR Part 63 Subparts A and ZZZZ)**

Footnotes:

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