

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION

November 28, 2016

PERMIT TO INSTALL
112-16

ISSUED TO
SUPERNAP Grand Rapids, LLC

LOCATED AT
6100 East Paris Avenue
Grand Rapids, Michigan

IN THE COUNTY OF
Kent

STATE REGISTRATION NUMBER
P0709

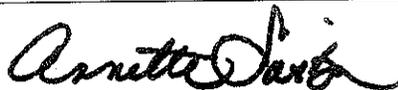
The Air Quality Division has approved this Permit to Install, pursuant to the delegation of authority from the Michigan Department of Environmental Quality. This permit is hereby issued in accordance with and subject to Section 5505(1) of Article II, Chapter I, Part 55, Air Pollution Control, of the 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:

October 3, 2016

DATE PERMIT TO INSTALL APPROVED:
November 28, 2016

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	14
Special Conditions for FGENGINES4-63.....	15
Special Conditions for FGCOOLTWRS6-41	22

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 ₂ e	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
EU	Emission Unit	gr	Grains
FG	Flexible Group	HAP	Hazardous Air Pollutant
GACS	Gallons of Applied Coating Solids	Hg	Mercury
GC	General Condition	hr	Hour
GHGs	Greenhouse Gases	HP	Horsepower
HVLP	High Volume Low Pressure*	H ₂ S	Hydrogen Sulfide
ID	Identification	kW	Kilowatt
IRSL	Initial Risk Screening Level	lb	Pound
ITSL	Initial Threshold Screening Level	m	Meter
LAER	Lowest Achievable Emission Rate	mg	Milligram
MACT	Maximum Achievable Control Technology	mm	Millimeter
MAERS	Michigan Air Emissions Reporting System	MM	Million
MAP	Malfunction Abatement Plan	MW	Megawatts
MDEQ	Michigan Department of Environmental Quality	NMOC	Non-methane Organic Compounds
MSDS	Material Safety Data Sheet	NO _x	Oxides of Nitrogen
NA	Not Applicable	ng	Nanogram
NAAQS	National Ambient Air Quality Standards	PM	Particulate Matter
NESHAP	National Emission Standard for Hazardous Air Pollutants	PM10	Particulate Matter equal to or less than 10 microns in diameter
NSPS	New Source Performance Standards	PM2.5	Particulate Matter equal to or less than 2.5 microns in diameter
NSR	New Source Review	pph	Pounds per hour
PS	Performance Specification	ppm	Parts per million
PSD	Prevention of Significant Deterioration	ppmv	Parts per million by volume
PTE	Permanent Total Enclosure	ppmw	Parts per million by weight
PTI	Permit to Install	psia	Pounds per square inch absolute
RACT	Reasonable Available Control Technology	psig	Pounds per square inch gauge
ROP	Renewable Operating Permit	scf	Standard cubic feet
SC	Special Condition	sec	Seconds
SCR	Selective Catalytic Reduction	SO ₂	Sulfur Dioxide
SNCR	Selective Non-Catalytic Reduction	TAC	Toxic Air Contaminant
SRN	State Registration Number	Temp	Temperature
TEQ	Toxicity Equivalence Quotient	THC	Total Hydrocarbons
USEPA/EPA	United States Environmental Protection Agency	tpy	Tons per year
VE	Visible Emissions	µg	Microgram
		µm	Micrometer or Micron
		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
EUEG4	A 3,010 kilowatts (kW) diesel-fueled emergency engine with a model year of 2016 or later, and a displacement of 4.77 liters/cylinder.	Notification Date	FGENGINES4-63
EUEG5	A 3,010 kilowatts (kW) diesel-fueled emergency engine with a model year of 2016 or later, and a displacement of 4.77 liters/cylinder.	Notification Date	FGENGINES4-63
EUEG6	A 3,010 kilowatts (kW) diesel-fueled emergency engine with a model year of 2016 or later, and a displacement of 4.77 liters/cylinder.	Notification Date	FGENGINES4-63
EUEG7	A 3,010 kilowatts (kW) diesel-fueled emergency engine with a model year of 2016 or later, and a displacement of 4.77 liters/cylinder.	Notification Date	FGENGINES4-63
EUEG8	A 3,010 kilowatts (kW) diesel-fueled emergency engine with a model year of 2016 or later, and a displacement of 4.77 liters/cylinder.	Notification Date	FGENGINES4-63
EUEG9	A 3,010 kilowatts (kW) diesel-fueled emergency engine with a model year of 2016 or later, and a displacement of 4.77 liters/cylinder.	Notification Date	FGENGINES4-63
EUEG10	A 3,010 kilowatts (kW) diesel-fueled emergency engine with a model year of 2016 or later, and a displacement of 4.77 liters/cylinder.	Notification Date	FGENGINES4-63
EUEG11	A 3,010 kilowatts (kW) diesel-fueled emergency engine with a model year of 2016 or later, and a displacement of 4.77 liters/cylinder.	Notification Date	FGENGINES4-63
EUEG12	A 3,010 kilowatts (kW) diesel-fueled emergency engine with a model year of 2016 or later, and a displacement of 4.77 liters/cylinder.	Notification Date	FGENGINES4-63
EUEG13	A 3,010 kilowatts (kW) diesel-fueled emergency engine with a model year of 2016 or later, and a displacement of 4.77 liters/cylinder.	Notification Date	FGENGINES4-63
EUEG14	A 3,010 kilowatts (kW) diesel-fueled emergency engine with a model year of 2016 or later, and a displacement of 4.77 liters/cylinder.	Notification Date	FGENGINES4-63
EUEG15	A 3,010 kilowatts (kW) diesel-fueled emergency engine with a model year of 2016 or later, and a displacement of 4.77 liters/cylinder.	Notification Date	FGENGINES4-63
EUEG16	A 3,010 kilowatts (kW) diesel-fueled emergency engine with a model year of 2016 or later, and a displacement of 4.77 liters/cylinder.	Notification Date	FGENGINES4-63
EUEG17	A 3,010 kilowatts (kW) diesel-fueled emergency engine with a model year of 2016 or later, and a displacement of 4.77 liters/cylinder.	Notification Date	FGENGINES4-63

Emission Unit ID	Emission Unit Description (Process Equipment & Control Devices)	Installation Date / Modification Date	Flexible Group ID
EUEG18	A 3,010 kilowatts (kW) diesel-fueled emergency engine with a model year of 2016 or later, and a displacement of 4.77 liters/cylinder.	Notification Date	FGENGINES4-63
EUEG19	A 3,010 kilowatts (kW) diesel-fueled emergency engine with a model year of 2016 or later, and a displacement of 4.77 liters/cylinder.	Notification Date	FGENGINES4-63
EUEG20	A 3,010 kilowatts (kW) diesel-fueled emergency engine with a model year of 2016 or later, and a displacement of 4.77 liters/cylinder.	Notification Date	FGENGINES4-63
EUEG21	A 3,010 kilowatts (kW) diesel-fueled emergency engine with a model year of 2016 or later, and a displacement of 4.77 liters/cylinder.	Notification Date	FGENGINES4-63
EUEG22	A 3,010 kilowatts (kW) diesel-fueled emergency engine with a model year of 2016 or later, and a displacement of 4.77 liters/cylinder.	Notification Date	FGENGINES4-63
EUEG23	A 3,010 kilowatts (kW) diesel-fueled emergency engine with a model year of 2016 or later, and a displacement of 4.77 liters/cylinder.	Notification Date	FGENGINES4-63
EUEG24	A 3,010 kilowatts (kW) diesel-fueled emergency engine with a model year of 2016 or later, and a displacement of 4.77 liters/cylinder.	Notification Date	FGENGINES4-63
EUEG25	A 3,010 kilowatts (kW) diesel-fueled emergency engine with a model year of 2016 or later, and a displacement of 4.77 liters/cylinder.	Notification Date	FGENGINES4-63
EUEG26	A 3,010 kilowatts (kW) diesel-fueled emergency engine with a model year of 2016 or later, and a displacement of 4.77 liters/cylinder.	Notification Date	FGENGINES4-63
EUEG27	A 3,010 kilowatts (kW) diesel-fueled emergency engine with a model year of 2016 or later, and a displacement of 4.77 liters/cylinder.	Notification Date	FGENGINES4-63
EUEG28	A 3,010 kilowatts (kW) diesel-fueled emergency engine with a model year of 2016 or later, and a displacement of 4.77 liters/cylinder.	Notification Date	FGENGINES4-63
EUEG29	A 3,010 kilowatts (kW) diesel-fueled emergency engine with a model year of 2016 or later, and a displacement of 4.77 liters/cylinder.	Notification Date	FGENGINES4-63
EUEG30	A 3,010 kilowatts (kW) diesel-fueled emergency engine with a model year of 2016 or later, and a displacement of 4.77 liters/cylinder.	Notification Date	FGENGINES4-63
EUEG31	A 3,010 kilowatts (kW) diesel-fueled emergency engine with a model year of 2016 or later, and a displacement of 4.77 liters/cylinder.	Notification Date	FGENGINES4-63
EUEG32	A 3,010 kilowatts (kW) diesel-fueled emergency engine with a model year of 2016 or later, and a displacement of 4.77 liters/cylinder.	Notification Date	FGENGINES4-63
EUEG33	A 3,010 kilowatts (kW) diesel-fueled emergency engine with a model year of 2016 or later, and a displacement of 4.77 liters/cylinder.	Notification Date	FGENGINES4-63

Emission Unit ID	Emission Unit Description (Process Equipment & Control Devices)	Installation Date / Modification Date	Flexible Group ID
EUEG34	A 3,010 kilowatts (kW) diesel-fueled emergency engine with a model year of 2016 or later, and a displacement of 4.77 liters/cylinder.	Notification Date	FGENGINES4-63
EUEG35	A 3,010 kilowatts (kW) diesel-fueled emergency engine with a model year of 2016 or later, and a displacement of 4.77 liters/cylinder.	Notification Date	FGENGINES4-63
EUEG36	A 3,010 kilowatts (kW) diesel-fueled emergency engine with a model year of 2016 or later, and a displacement of 4.77 liters/cylinder.	Notification Date	FGENGINES4-63
EUEG37	A 3,010 kilowatts (kW) diesel-fueled emergency engine with a model year of 2016 or later, and a displacement of 4.77 liters/cylinder.	Notification Date	FGENGINES4-63
EUEG38	A 3,010 kilowatts (kW) diesel-fueled emergency engine with a model year of 2016 or later, and a displacement of 4.77 liters/cylinder.	Notification Date	FGENGINES4-63
EUEG39	A 3,010 kilowatts (kW) diesel-fueled emergency engine with a model year of 2016 or later, and a displacement of 4.77 liters/cylinder.	Notification Date	FGENGINES4-63
EUEG40	A 3,010 kilowatts (kW) diesel-fueled emergency engine with a model year of 2016 or later, and a displacement of 4.77 liters/cylinder.	Notification Date	FGENGINES4-63
EUEG41	A 3,010 kilowatts (kW) diesel-fueled emergency engine with a model year of 2016 or later, and a displacement of 4.77 liters/cylinder.	Notification Date	FGENGINES4-63
EUEG42	A 3,010 kilowatts (kW) diesel-fueled emergency engine with a model year of 2016 or later, and a displacement of 4.77 liters/cylinder.	Notification Date	FGENGINES4-63
EUEG43	A 3,010 kilowatts (kW) diesel-fueled emergency engine with a model year of 2016 or later, and a displacement of 4.77 liters/cylinder.	Notification Date	FGENGINES4-63
EUEG44	A 3,010 kilowatts (kW) diesel-fueled emergency engine with a model year of 2016 or later, and a displacement of 4.77 liters/cylinder.	Notification Date	FGENGINES4-63
EUEG45	A 3,010 kilowatts (kW) diesel-fueled emergency engine with a model year of 2016 or later, and a displacement of 4.77 liters/cylinder.	Notification Date	FGENGINES4-63
EUEG46	A 3,010 kilowatts (kW) diesel-fueled emergency engine with a model year of 2016 or later, and a displacement of 4.77 liters/cylinder.	Notification Date	FGENGINES4-63
EUEG47	A 3,010 kilowatts (kW) diesel-fueled emergency engine with a model year of 2016 or later, and a displacement of 4.77 liters/cylinder.	Notification Date	FGENGINES4-63
EUEG48	A 3,010 kilowatts (kW) diesel-fueled emergency engine with a model year of 2016 or later, and a displacement of 4.77 liters/cylinder.	Notification Date	FGENGINES4-63
EUEG49	A 3,010 kilowatts (kW) diesel-fueled emergency engine with a model year of 2016 or later, and a displacement of 4.77 liters/cylinder.	Notification Date	FGENGINES4-63

Emission Unit ID	Emission Unit Description (Process Equipment & Control Devices)	Installation Date / Modification Date	Flexible Group ID
EUEG50	A 3,010 kilowatts (kW) diesel-fueled emergency engine with a model year of 2016 or later, and a displacement of 4.77 liters/cylinder.	Notification Date	FGENGINES4-63
EUEG51	A 3,010 kilowatts (kW) diesel-fueled emergency engine with a model year of 2016 or later, and a displacement of 4.77 liters/cylinder.	Notification Date	FGENGINES4-63
EUEG52	A 3,010 kilowatts (kW) diesel-fueled emergency engine with a model year of 2016 or later, and a displacement of 4.77 liters/cylinder.	Notification Date	FGENGINES4-63
EUEG53	A 3,010 kilowatts (kW) diesel-fueled emergency engine with a model year of 2016 or later, and a displacement of 4.77 liters/cylinder.	Notification Date	FGENGINES4-63
EUEG54	A 3,010 kilowatts (kW) diesel-fueled emergency engine with a model year of 2016 or later, and a displacement of 4.77 liters/cylinder.	Notification Date	FGENGINES4-63
EUEG55	A 3,010 kilowatts (kW) diesel-fueled emergency engine with a model year of 2016 or later, and a displacement of 4.77 liters/cylinder.	Notification Date	FGENGINES4-63
EUEG56	A 3,010 kilowatts (kW) diesel-fueled emergency engine with a model year of 2016 or later, and a displacement of 4.77 liters/cylinder.	Notification Date	FGENGINES4-63
EUEG57	A 3,010 kilowatts (kW) diesel-fueled emergency engine with a model year of 2016 or later, and a displacement of 4.77 liters/cylinder.	Notification Date	FGENGINES4-63
EUEG58	A 3,010 kilowatts (kW) diesel-fueled emergency engine with a model year of 2016 or later, and a displacement of 4.77 liters/cylinder.	Notification Date	FGENGINES4-63
EUEG59	A 3,010 kilowatts (kW) diesel-fueled emergency engine with a model year of 2016 or later, and a displacement of 4.77 liters/cylinder.	Notification Date	FGENGINES4-63
EUEG60	A 3,010 kilowatts (kW) diesel-fueled emergency engine with a model year of 2016 or later, and a displacement of 4.77 liters/cylinder.	Notification Date	FGENGINES4-63
EUEG61	A 3,010 kilowatts (kW) diesel-fueled emergency engine with a model year of 2016 or later, and a displacement of 4.77 liters/cylinder.	Notification Date	FGENGINES4-63
EUEG62	A 3,010 kilowatts (kW) diesel-fueled emergency engine with a model year of 2016 or later, and a displacement of 4.77 liters/cylinder.	Notification Date	FGENGINES4-63
EUEG63	A 3,010 kilowatts (kW) diesel-fueled emergency engine with a model year of 2016 or later, and a displacement of 4.77 liters/cylinder.	Notification Date	FGENGINES4-63
EUBT4	A 7,383 gallon diesel belly tank associated with EUEG4.	Notification Date	FGENGINES4-63
EUBT5	A 7,383 gallon diesel belly tank associated with EUEG5.	Notification Date	FGENGINES4-63
EUBT6	A 7,383 gallon diesel belly tank associated with EUEG6.	Notification Date	FGENGINES4-63

Emission Unit ID	Emission Unit Description (Process Equipment & Control Devices)	Installation Date / Modification Date	Flexible Group ID
EUBT7	A 7,383 gallon diesel belly tank associated with EUEG7.	Notification Date	FGENGINES4-63
EUBT8	A 7,383 gallon diesel belly tank associated with EUEG8.	Notification Date	FGENGINES4-63
EUBT9	A 7,383 gallon diesel belly tank associated with EUEG9.	Notification Date	FGENGINES4-63
EUBT10	A 7,383 gallon diesel belly tank associated with EUEG10.	Notification Date	FGENGINES4-63
EUBT11	A 7,383 gallon diesel belly tank associated with EUEG11.	Notification Date	FGENGINES4-63
EUBT12	A 7,383 gallon diesel belly tank associated with EUEG12.	Notification Date	FGENGINES4-63
EUBT13	A 7,383 gallon diesel belly tank associated with EUEG13.	Notification Date	FGENGINES4-63
EUBT14	A 7,383 gallon diesel belly tank associated with EUEG14.	Notification Date	FGENGINES4-63
EUBT15	A 7,383 gallon diesel belly tank associated with EUEG15.	Notification Date	FGENGINES4-63
EUBT16	A 7,383 gallon diesel belly tank associated with EUEG16.	Notification Date	FGENGINES4-63
EUBT17	A 7,383 gallon diesel belly tank associated with EUEG17.	Notification Date	FGENGINES4-63
EUBT18	A 7,383 gallon diesel belly tank associated with EUEG18.	Notification Date	FGENGINES4-63
EUBT19	A 7,383 gallon diesel belly tank associated with EUEG19.	Notification Date	FGENGINES4-63
EUBT20	A 7,383 gallon diesel belly tank associated with EUEG20.	Notification Date	FGENGINES4-63
EUBT21	A 7,383 gallon diesel belly tank associated with EUEG21.	Notification Date	FGENGINES4-63
EUBT22	A 7,383 gallon diesel belly tank associated with EUEG22.	Notification Date	FGENGINES4-63
EUBT23	A 7,383 gallon diesel belly tank associated with EUEG23.	Notification Date	FGENGINES4-63
EUBT24	A 7,383 gallon diesel belly tank associated with EUEG24.	Notification Date	FGENGINES4-63
EUBT25	A 7,383 gallon diesel belly tank associated with EUEG25.	Notification Date	FGENGINES4-63
EUBT26	A 7,383 gallon diesel belly tank associated with EUEG26.	Notification Date	FGENGINES4-63
EUBT27	A 7,383 gallon diesel belly tank associated with EUEG27.	Notification Date	FGENGINES4-63
EUBT28	A 7,383 gallon diesel belly tank associated with EUEG28.	Notification Date	FGENGINES4-63
EUBT29	A 7,383 gallon diesel belly tank associated with EUEG29.	Notification Date	FGENGINES4-63

Emission Unit ID	Emission Unit Description (Process Equipment & Control Devices)	Installation Date / Modification Date	Flexible Group ID
EUBT30	A 7,383 gallon diesel belly tank associated with EUEG30.	Notification Date	FGENGINES4-63
EUBT31	A 7,383 gallon diesel belly tank associated with EUEG31.	Notification Date	FGENGINES4-63
EUBT32	A 7,383 gallon diesel belly tank associated with EUEG32.	Notification Date	FGENGINES4-63
EUBT33	A 7,383 gallon diesel belly tank associated with EUEG33.	Notification Date	FGENGINES4-63
EUBT34	A 7,383 gallon diesel belly tank associated with EUEG34.	Notification Date	FGENGINES4-63
EUBT35	A 7,383 gallon diesel belly tank associated with EUEG35.	Notification Date	FGENGINES4-63
EUBT36	A 7,383 gallon diesel belly tank associated with EUEG36.	Notification Date	FGENGINES4-63
EUBT37	A 7,383 gallon diesel belly tank associated with EUEG37.	Notification Date	FGENGINES4-63
EUBT38	A 7,383 gallon diesel belly tank associated with EUEG38.	Notification Date	FGENGINES4-63
EUBT39	A 7,383 gallon diesel belly tank associated with EUEG39.	Notification Date	FGENGINES4-63
EUBT40	A 7,383 gallon diesel belly tank associated with EUEG40.	Notification Date	FGENGINES4-63
EUBT41	A 7,383 gallon diesel belly tank associated with EUEG41.	Notification Date	FGENGINES4-63
EUBT42	A 7,383 gallon diesel belly tank associated with EUEG42.	Notification Date	FGENGINES4-63
EUBT43	A 7,383 gallon diesel belly tank associated with EUEG43.	Notification Date	FGENGINES4-63
EUBT44	A 7,383 gallon diesel belly tank associated with EUEG44.	Notification Date	FGENGINES4-63
EUBT45	A 7,383 gallon diesel belly tank associated with EUEG45.	Notification Date	FGENGINES4-63
EUBT46	A 7,383 gallon diesel belly tank associated with EUEG46.	Notification Date	FGENGINES4-63
EUBT47	A 7,383 gallon diesel belly tank associated with EUEG47.	Notification Date	FGENGINES4-63
EUBT48	A 7,383 gallon diesel belly tank associated with EUEG48.	Notification Date	FGENGINES4-63
EUBT49	A 7,383 gallon diesel belly tank associated with EUEG49.	Notification Date	FGENGINES4-63
EUBT50	A 7,383 gallon diesel belly tank associated with EUEG50.	Notification Date	FGENGINES4-63
EUBT51	A 7,383 gallon diesel belly tank associated with EUEG51.	Notification Date	FGENGINES4-63
EUBT52	A 7,383 gallon diesel belly tank associated with EUEG52.	Notification Date	FGENGINES4-63

Emission Unit ID	Emission Unit Description (Process Equipment & Control Devices)	Installation Date / Modification Date	Flexible Group ID
EUBT53	A 7,383 gallon diesel belly tank associated with EUEG53.	Notification Date	FGENGINES4-63
EUBT54	A 7,383 gallon diesel belly tank associated with EUEG54.	Notification Date	FGENGINES4-63
EUBT55	A 7,383 gallon diesel belly tank associated with EUEG55.	Notification Date	FGENGINES4-63
EUBT56	A 7,383 gallon diesel belly tank associated with EUEG56.	Notification Date	FGENGINES4-63
EUBT57	A 7,383 gallon diesel belly tank associated with EUEG57.	Notification Date	FGENGINES4-63
EUBT58	A 7,383 gallon diesel belly tank associated with EUEG58.	Notification Date	FGENGINES4-63
EUBT59	A 7,383 gallon diesel belly tank associated with EUEG59.	Notification Date	FGENGINES4-63
EUBT60	A 7,383 gallon diesel belly tank associated with EUEG60.	Notification Date	FGENGINES4-63
EUBT61	A 7,383 gallon diesel belly tank associated with EUEG61.	Notification Date	FGENGINES4-63
EUBT62	A 7,383 gallon diesel belly tank associated with EUEG62.	Notification Date	FGENGINES4-63
EUBT63	A 7,383 gallon diesel belly tank associated with EUEG63.	Notification Date	FGENGINES4-63
EUCT6	A cooling tower with a capacity of 1,250 gallons per minute (gal/min). Particulate in water droplets will be controlled by a drift eliminator.	Notification Date	FGCOOLTWRS6-41
EUCT7	A cooling tower with a capacity of 1,250 gallons per minute (gal/min). Particulate in water droplets will be controlled by a drift eliminator.	Notification Date	FGCOOLTWRS6-41
EUCT8	A cooling tower with a capacity of 1,250 gallons per minute (gal/min). Particulate in water droplets will be controlled by a drift eliminator.	Notification Date	FGCOOLTWRS6-41
EUCT9	A cooling tower with a capacity of 1,250 gallons per minute (gal/min). Particulate in water droplets will be controlled by a drift eliminator.	Notification Date	FGCOOLTWRS6-41
EUCT10	A cooling tower with a capacity of 1,250 gallons per minute (gal/min). Particulate in water droplets will be controlled by a drift eliminator.	Notification Date	FGCOOLTWRS6-41
EUCT11	A cooling tower with a capacity of 1,250 gallons per minute (gal/min). Particulate in water droplets will be controlled by a drift eliminator.	Notification Date	FGCOOLTWRS6-41
EUCT12	A cooling tower with a capacity of 1,250 gallons per minute (gal/min). Particulate in water droplets will be controlled by a drift eliminator.	Notification Date	FGCOOLTWRS6-41
EUCT13	A cooling tower with a capacity of 1,250 gallons per minute (gal/min). Particulate in water droplets will be controlled by a drift eliminator.	Notification Date	FGCOOLTWRS6-41

Emission Unit ID	Emission Unit Description (Process Equipment & Control Devices)	Installation Date / Modification Date	Flexible Group ID
EUCT14	A cooling tower with a capacity of 1,250 gallons per minute (gal/min). Particulate in water droplets will be controlled by a drift eliminator.	Notification Date	FGCOOLTWRS6-41
EUCT15	A cooling tower with a capacity of 1,250 gallons per minute (gal/min). Particulate in water droplets will be controlled by a drift eliminator.	Notification Date	FGCOOLTWRS6-41
EUCT16	A cooling tower with a capacity of 1,250 gallons per minute (gal/min). Particulate in water droplets will be controlled by a drift eliminator.	Notification Date	FGCOOLTWRS6-41
EUCT17	A cooling tower with a capacity of 1,250 gallons per minute (gal/min). Particulate in water droplets will be controlled by a drift eliminator.	Notification Date	FGCOOLTWRS6-41
EUCT18	A cooling tower with a capacity of 1,250 gallons per minute (gal/min). Particulate in water droplets will be controlled by a drift eliminator.	Notification Date	FGCOOLTWRS6-41
EUCT19	A cooling tower with a capacity of 1,250 gallons per minute (gal/min). Particulate in water droplets will be controlled by a drift eliminator.	Notification Date	FGCOOLTWRS6-41
EUCT20	A cooling tower with a capacity of 1,250 gallons per minute (gal/min). Particulate in water droplets will be controlled by a drift eliminator.	Notification Date	FGCOOLTWRS6-41
EUCT21	A cooling tower with a capacity of 1,250 gallons per minute (gal/min). Particulate in water droplets will be controlled by a drift eliminator.	Notification Date	FGCOOLTWRS6-41
EUCT22	A cooling tower with a capacity of 1,250 gallons per minute (gal/min). Particulate in water droplets will be controlled by a drift eliminator.	Notification Date	FGCOOLTWRS6-41
EUCT23	A cooling tower with a capacity of 1,250 gallons per minute (gal/min). Particulate in water droplets will be controlled by a drift eliminator.	Notification Date	FGCOOLTWRS6-41
EUCT24	A cooling tower with a capacity of 1,250 gallons per minute (gal/min). Particulate in water droplets will be controlled by a drift eliminator.	Notification Date	FGCOOLTWRS6-41
EUCT25	A cooling tower with a capacity of 1,250 gallons per minute (gal/min). Particulate in water droplets will be controlled by a drift eliminator.	Notification Date	FGCOOLTWRS6-41
EUCT26	A cooling tower with a capacity of 1,250 gallons per minute (gal/min). Particulate in water droplets will be controlled by a drift eliminator.	Notification Date	FGCOOLTWRS6-41
EUCT27	A cooling tower with a capacity of 1,250 gallons per minute (gal/min). Particulate in water droplets will be controlled by a drift eliminator.	Notification Date	FGCOOLTWRS6-41
EUCT28	A cooling tower with a capacity of 1,250 gallons per minute (gal/min). Particulate in water droplets will be controlled by a drift eliminator.	Notification Date	FGCOOLTWRS6-41
EUCT29	A cooling tower with a capacity of 1,250 gallons per minute (gal/min). Particulate in water droplets will be controlled by a drift eliminator.	Notification Date	FGCOOLTWRS6-41

Emission Unit ID	Emission Unit Description (Process Equipment & Control Devices)	Installation Date / Modification Date	Flexible Group ID
EUCT30	A cooling tower with a capacity of 1,250 gallons per minute (gal/min). Particulate in water droplets will be controlled by a drift eliminator.	Notification Date	FGCOOLTWRS6-41
EUCT31	A cooling tower with a capacity of 1,250 gallons per minute (gal/min). Particulate in water droplets will be controlled by a drift eliminator.	Notification Date	FGCOOLTWRS6-41
EUCT32	A cooling tower with a capacity of 1,250 gallons per minute (gal/min). Particulate in water droplets will be controlled by a drift eliminator.	Notification Date	FGCOOLTWRS6-41
EUCT33	A cooling tower with a capacity of 1,250 gallons per minute (gal/min). Particulate in water droplets will be controlled by a drift eliminator.	Notification Date	FGCOOLTWRS6-41
EUCT34	A cooling tower with a capacity of 1,250 gallons per minute (gal/min). Particulate in water droplets will be controlled by a drift eliminator.	Notification Date	FGCOOLTWRS6-41
EUCT35	A cooling tower with a capacity of 1,250 gallons per minute (gal/min). Particulate in water droplets will be controlled by a drift eliminator.	Notification Date	FGCOOLTWRS6-41
EUCT36	A cooling tower with a capacity of 1,250 gallons per minute (gal/min). Particulate in water droplets will be controlled by a drift eliminator.	Notification Date	FGCOOLTWRS6-41
EUCT37	A cooling tower with a capacity of 1,250 gallons per minute (gal/min). Particulate in water droplets will be controlled by a drift eliminator.	Notification Date	FGCOOLTWRS6-41
EUCT38	A cooling tower with a capacity of 1,250 gallons per minute (gal/min). Particulate in water droplets will be controlled by a drift eliminator.	Notification Date	FGCOOLTWRS6-41
EUCT39	A cooling tower with a capacity of 1,250 gallons per minute (gal/min). Particulate in water droplets will be controlled by a drift eliminator.	Notification Date	FGCOOLTWRS6-41
EUCT40	A cooling tower with a capacity of 1,250 gallons per minute (gal/min). Particulate in water droplets will be controlled by a drift eliminator.	Notification Date	FGCOOLTWRS6-41
EUCT41	A cooling tower with a capacity of 1,250 gallons per minute (gal/min). Particulate in water droplets will be controlled by a drift eliminator.	Notification Date	FGCOOLTWRS6-41
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

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

Flexible Group ID	Flexible Group Description	Associated Emission Unit IDs
FGENGINES4-63	60 emergency engines and their associated belly tanks.	EUEG4, EUEG5, EUEG6, EUEG7, EUEG8, EUEG9, EUEG10, EUEG11, EUEG12, EUEG13, EUEG14, EUEG15, EUEG16, EUEG17, EUEG18, EUEG19, EUEG20, EUEG21, EUEG22, EUEG23, EUEG24, EUEG25, EUEG26, EUEG27, EUEG28, EUEG29, EUEG30, EUEG31, EUEG32, EUEG33, EUEG34, EUEG35, EUEG36, EUEG37, EUEG38, EUEG39, EUEG40, EUEG41, EUEG42, EUEG43, EUEG44, EUEG45, EUEG46, EUEG47, EUEG48, EUEG49, EUEG50, EUEG51, EUEG52, EUEG53, EUEG54, EUEG55, EUEG56, EUEG57, EUEG58, EUEG59, EUEG60, EUEG61, EUEG62, EUEG63, EUBT4, EUBT5, EUBT6, EUBT7, EUBT8, EUBT9, EUBT10, EUBT11, EUBT12, EUBT13, EUBT14, EUBT15, EUBT16, EUBT17, EUBT18, EUBT19, EUBT20, EUBT21, EUBT22, EUBT23, EUBT24, EUBT25, EUBT26, EUBT27, EUBT28, EUBT29, EUBT30, EUBT31, EUBT32, EUBT33, EUBT34, EUBT35, EUBT36, EUBT37, EUBT38, EUBT39, EUBT40, EUBT41, EUBT42, EUBT43, EUBT44, EUBT45, EUBT46, EUBT47, EUBT48, EUBT49, EUBT50, EUBT51, EUBT52, EUBT53, EUBT54, EUBT55, EUBT56, EUBT57, EUBT58, EUBT59, EUBT60, EUBT61, EUBT62, EUBT63
FGCOOLTWRS6-41	36 cooling towers, each equipped with drift eliminators to control particulate in water droplets.	EUCT6, EUCT7, EUCT8, EUCT9, EUCT10, EUCT11, EUCT12, EUCT13, EUCT14, EUCT15, EUCT16, EUCT17, EUCT18, EUCT19, EUCT20, EUCT21, EUCT22, EUCT23, EUCT24, EUCT25, EUCT26, EUCT27, EUCT28, EUCT29, EUCT30, EUCT31, EUCT32, EUCT33, EUCT34, EUCT35, EUCT36, EUCT37, EUCT38, EUCT39, EUCT40, EUCT41

The following conditions apply to:
FGENGINES4-63

DESCRIPTION: 60 emergency engines and their associated belly tanks.

Emission Units: EUEG4, EUEG5, EUEG6, EUEG7, EUEG8, EUEG9, EUEG10, EUEG11, EUEG12, EUEG13, EUEG14, EUEG15, EUEG16, EUEG17, EUEG18, EUEG19, EUEG20, EUEG21, EUEG22, EUEG23, EUEG24, EUEG25, EUEG26, EUEG27, EUEG28, EUEG29, EUEG30, EUEG31, EUEG32, EUEG33, EUEG34, EUEG35, EUEG36, EUEG37, EUEG38, EUEG39, EUEG40, EUEG41, EUEG42, EUEG43, EUEG44, EUEG45, EUEG46, EUEG47, EUEG48, EUEG49, EUEG50, EUEG51, EUEG52, EUEG53, EUEG54, EUEG55, EUEG56, EUEG57, EUEG58, EUEG59, EUEG60, EUEG61, EUEG62, EUEG63, EUBT4, EUBT5, EUBT6, EUBT7, EUBT8, EUBT9, EUBT10, EUBT11, EUBT12, EUBT13, EUBT14, EUBT15, EUBT16, EUBT17, EUBT18, EUBT19, EUBT20, EUBT21, EUBT22, EUBT23, EUBT24, EUBT25, EUBT26, EUBT27, EUBT28, EUBT29, EUBT30, EUBT31, EUBT32, EUBT33, EUBT34, EUBT35, EUBT36, EUBT37, EUBT38, EUBT39, EUBT40, EUBT41, EUBT42, EUBT43, EUBT44, EUBT45, EUBT46, EUBT47, EUBT48, EUBT49, EUBT50, EUBT51, EUBT52, EUBT53, EUBT54, EUBT55, EUBT56, EUBT57, EUBT58, EUBT59, EUBT60, EUBT61, EUBT62, EUBT63

POLLUTION CONTROL EQUIPMENT: NA

I. EMISSION LIMITS

Pollutant	Limit	Time Period / Operating Scenario	Equipment	Testing / Monitoring Method	Underlying Applicable Requirements
1. NMHC + NO _x	6.4 g/kW-hr ^A	Test Protocol*	Each engine in FGENGINES4-63	SC V.1, SC VI.2, SC VI.3	40 CFR 60.4205(b), 60.4202(b)(2), Table 1 of 40 CFR 89.112
2. NO _x	163 tpy ^B	12-month rolling time period as determined at the end of each calendar month.	FGENGINES4-63	SC VI.5	R 336.1205(1)(a) & (3), 40 CFR 52.21(c) & (d)
3. CO	3.5 g/kW-hr ^A	Test Protocol*	Each engine in FGENGINES4-63	SC V.1, SC VI.2, SC VI.3	40 CFR 60.4205(b), 60.4202(b)(2), Table 1 of 40 CFR 89.112
4. PM	0.20 g/kW-hr ^A	Test Protocol*	Each engine in FGENGINES4-63	SC V.1, SC VI.2, SC VI.3	40 CFR 60.4205(b), 60.4202(b)(2), Table 1 of 40 CFR 89.112

*Test Protocol shall determine averaging time.

^AThese emission limits are for certified engines; if testing becomes required to demonstrate compliance, then the tested values must be compared to the Not to Exceed (NTE) requirements determined through 40 CFR 60.4212(c).

^BThis emission limit is associated with 7.8 g/kW-hr of NO_x, which is less than the NTE requirements of 40 CFR 60.4212(c).

II. MATERIAL LIMITS

1. The permittee shall store only diesel fuel in each tank in FGENGINES4-63. **(R 336.1205)**
2. The permittee shall burn only diesel fuel in each engine in FGENGINES4-63 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. **(R 336.1205(1)(a) & (3), 40 CFR 60.4207, 40 CFR 80.510(b))**

III. PROCESS/OPERATIONAL RESTRICTIONS

1. The permittee shall not operate each engine in FGENGINES4-63 for more than 105 hours per year on a 12-month rolling time period basis as determined at the end of each calendar month. The 105 hours includes the hours for the purpose of necessary maintenance checks and readiness testing as described in SC III.2. **(R 336.1205(1)(a) & (3), R 336.1225, R 336.1702(a), 40 CFR 52.21(c) & (d))**
2. The permittee may operate each engine in FGENGINES4-63 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 engine in FGENGINES4-63 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 non-emergency 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))**
3. 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 engine in FGENGINES4-63:
 - 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 applicable.

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))**

4. 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 such engine in FGENGINES4-63 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))**
5. The permittee shall not operate each engine in FGENGINES4-63 at more than 75 percent load, averaged over a clock hour. **(R 336.1205(1)(a) & (3), 40 CFR 52.21(c) & (d))**

IV. DESIGN/EQUIPMENT PARAMETERS

1. The permittee shall equip and maintain each engine in FGGENINES4-63 with a non-resettable hours meter to track the operating hours. **(R 336.1205(1)(a) & (3), R 336.1225, R 336.1702(a), 40 CFR 52.21(c) & (d), 40 CFR 60.4209)**
2. The maximum rated power output of each engine in FGGENINES4-63 shall not exceed 3,010 kW (4,035 HP), as certified by the equipment manufacturer. **(R 336.1205(1)(a) & (3), R 336.1225, 40 CFR 60.4202(b), 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. If the engine 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 1 year of startup, or within 1 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 1 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 60.4212.
 - c. Conduct subsequent performance testing every 8,760 hours of engine operation or every 3 years, whichever comes first, thereafter to demonstrate compliance with the applicable emission standards.

No less than 30 days prior to testing, a complete test plan shall be submitted to the AQD. 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. **(40 CFR 60.4211(g)(3), 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 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) & (3), R 336.1225, R 336.1702(a), 40 CFR 52.21(c) & (d))**
2. The permittee shall keep, in a satisfactory manner, the following records for each engine in FGGENINES4-63:
 - a. For each certified engine: The permittee shall keep records of the manufacturer certification documentation.
 - b. For each 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 engine in FGGENINES4-63:
 - a. For each 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.3.
 - b. For each uncertified engine: The permittee shall keep records of a maintenance plan, as required by SC III.4, 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 engine in FGENGINES4-63, 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 in FGENGINES4-63, including what classified the operation as emergency. **(R 336.1205(1)(a) & (3), R 336.1225, R 336.1702(a), 40 CFR 52.21(c) & (d), 40 CFR 60.4211, 40 CFR 60.4214)**
5. The permittee shall calculate and keep, in a satisfactory manner, records of monthly and 12-month rolling total NO_x mass emissions for FGENGINES4-63, as required by SC I.2. The permittee shall keep all records on file and make them available to the Department upon request. The calculations shall be performed according to a method approved by the District Supervisor. **(R 336.1205(1)(a) & (3), 40 CFR 52.21(c) & (d))**
6. 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 FGENGINES4-63, 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 336.1205(1)(a) & (3), 40 CFR 60.4207, 40 CFR 80.510(b))**
7. For each operating hour, the permittee shall keep, in a satisfactory manner, the average percent load for each engine in FGENGINES4-63. For this condition, an operating hour is any clock hour (e.g., 8:00.00 AM to 8:59.59 AM, 1:00.00 AM to 1:59.59 AM) in which an engine operates for some period of time during the clock hour. If the engine does not operate for a given duration during the clock hour, the percent load will be set to zero during that duration and used in the operating hour average percent load calculation. **(R 336.1205(1)(a) & (3), 40 CFR 52.21(c) & (d))**

VII. REPORTING

1. Within 30 days after completion of the installation, construction, reconstruction, relocation, or modification authorized by this Permit to Install, the permittee or the authorized agent pursuant to Rule 204, shall notify the AQD District Supervisor, in writing, of the completion of the activity. Completion of the installation, construction, reconstruction, relocation, or modification is considered to occur not later than commencement of trial operation of each organizational unit within FGENGINES4-63. An organizational unit consists of a block of six engines and their associated belly tanks. **(R 336.1201(7)(a))**
2. The permittee shall submit a notification specifying whether each engine in FGENGINES4-63 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 (this may be included in the notification required in SC VII.1) and within 30 days of switching the manner of operation. **(40 CFR Part 60 Subpart IIII)**

VIII. STACK/VENT RESTRICTIONS

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. SVEG4	18.1	21.5	R 336.1225, 40 CFR 52.21(c) & (d)
2. SVEG5	18.1	21.5	R 336.1225, 40 CFR 52.21(c) & (d)
3. SVEG6	18.1	21.5	R 336.1225, 40 CFR 52.21(c) & (d)

Stack & Vent ID	Maximum Exhaust Diameter/ Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
4. SVEG7	18.1	21.5	R 336.1225, 40 CFR 52.21(c) & (d)
5. SVEG8	18.1	21.5	R 336.1225, 40 CFR 52.21(c) & (d)
6. SVEG9	18.1	21.5	R 336.1225, 40 CFR 52.21(c) & (d)
7. SVEG10	18.1	21.5	R 336.1225, 40 CFR 52.21(c) & (d)
8. SVEG11	18.1	21.5	R 336.1225, 40 CFR 52.21(c) & (d)
9. SVEG12	18.1	21.5	R 336.1225, 40 CFR 52.21(c) & (d)
10. SVEG13	18.1	21.5	R 336.1225, 40 CFR 52.21(c) & (d)
11. SVEG14	18.1	21.5	R 336.1225, 40 CFR 52.21(c) & (d)
12. SVEG15	18.1	21.5	R 336.1225, 40 CFR 52.21(c) & (d)
13. SVEG16	18.1	21.5	R 336.1225, 40 CFR 52.21(c) & (d)
14. SVEG17	18.1	21.5	R 336.1225, 40 CFR 52.21(c) & (d)
15. SVEG18	18.1	21.5	R 336.1225, 40 CFR 52.21(c) & (d)
16. SVEG19	18.1	21.5	R 336.1225, 40 CFR 52.21(c) & (d)
17. SVEG20	18.1	21.5	R 336.1225, 40 CFR 52.21(c) & (d)
18. SVEG21	18.1	21.5	R 336.1225, 40 CFR 52.21(c) & (d)
19. SVEG22	18.1	21.5	R 336.1225, 40 CFR 52.21(c) & (d)
20. SVEG23	18.1	21.5	R 336.1225, 40 CFR 52.21(c) & (d)
21. SVEG24	18.1	21.5	R 336.1225, 40 CFR 52.21(c) & (d)
22. SVEG25	18.1	21.5	R 336.1225, 40 CFR 52.21(c) & (d)
23. SVEG26	18.1	21.5	R 336.1225, 40 CFR 52.21(c) & (d)
24. SVEG27	18.1	21.5	R 336.1225, 40 CFR 52.21(c) & (d)
25. SVEG28	18.1	21.5	R 336.1225, 40 CFR 52.21(c) & (d)

Stack & Vent ID	Maximum Exhaust Diameter/ Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
26. SVEG29	18.1	21.5	R 336.1225, 40 CFR 52.21(c) & (d)
27. SVEG30	18.1	21.5	R 336.1225, 40 CFR 52.21(c) & (d)
28. SVEG31	18.1	21.5	R 336.1225, 40 CFR 52.21(c) & (d)
29. SVEG32	18.1	21.5	R 336.1225, 40 CFR 52.21(c) & (d)
30. SVEG33	18.1	21.5	R 336.1225, 40 CFR 52.21(c) & (d)
31. SVEG34	18.1	21.5	R 336.1225, 40 CFR 52.21(c) & (d)
32. SVEG35	18.1	21.5	R 336.1225, 40 CFR 52.21(c) & (d)
33. SVEG36	18.1	21.5	R 336.1225, 40 CFR 52.21(c) & (d)
34. SVEG37	18.1	21.5	R 336.1225, 40 CFR 52.21(c) & (d)
35. SVEG38	18.1	21.5	R 336.1225, 40 CFR 52.21(c) & (d)
36. SVEG39	18.1	21.5	R 336.1225, 40 CFR 52.21(c) & (d)
37. SVEG40	18.1	21.5	R 336.1225, 40 CFR 52.21(c) & (d)
38. SVEG41	18.1	21.5	R 336.1225, 40 CFR 52.21(c) & (d)
39. SVEG42	18.1	21.5	R 336.1225, 40 CFR 52.21(c) & (d)
40. SVEG43	18.1	21.5	R 336.1225, 40 CFR 52.21(c) & (d)
41. SVEG44	18.1	21.5	R 336.1225, 40 CFR 52.21(c) & (d)
42. SVEG45	18.1	21.5	R 336.1225, 40 CFR 52.21(c) & (d)
43. SVEG46	18.1	21.5	R 336.1225, 40 CFR 52.21(c) & (d)
44. SVEG47	18.1	21.5	R 336.1225, 40 CFR 52.21(c) & (d)
45. SVEG48	18.1	21.5	R 336.1225, 40 CFR 52.21(c) & (d)
46. SVEG49	18.1	21.5	R 336.1225, 40 CFR 52.21(c) & (d)
47. SVEG50	18.1	21.5	R 336.1225, 40 CFR 52.21(c) & (d)

Stack & Vent ID	Maximum Exhaust Diameter/ Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
48. SVEG51	18.1	21.5	R 336.1225, 40 CFR 52.21(c) & (d)
49. SVEG52	18.1	21.5	R 336.1225, 40 CFR 52.21(c) & (d)
50. SVEG53	18.1	21.5	R 336.1225, 40 CFR 52.21(c) & (d)
51. SVEG54	18.1	21.5	R 336.1225, 40 CFR 52.21(c) & (d)
52. SVEG55	18.1	21.5	R 336.1225, 40 CFR 52.21(c) & (d)
53. SVEG56	18.1	21.5	R 336.1225, 40 CFR 52.21(c) & (d)
54. SVEG57	18.1	21.5	R 336.1225, 40 CFR 52.21(c) & (d)
55. SVEG58	18.1	21.5	R 336.1225, 40 CFR 52.21(c) & (d)
56. SVEG59	18.1	21.5	R 336.1225, 40 CFR 52.21(c) & (d)
57. SVEG60	18.1	21.5	R 336.1225, 40 CFR 52.21(c) & (d)
58. SVEG61	18.1	21.5	R 336.1225, 40 CFR 52.21(c) & (d)
59. SVEG62	18.1	21.5	R 336.1225, 40 CFR 52.21(c) & (d)
60. SVEG63	18.1	21.5	R 336.1225, 40 CFR 52.21(c) & (d)

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 in FGENGINES4-63. **(40 CFR Part 60 Subparts A & IIII, 40 CFR 63.6590)**
2. The permittee shall comply with the provisions of the National Emission Standards for Hazardous Air Pollutants, as specified in 40 CFR, Part 63, Subpart A and Subpart ZZZZ, as they apply to each engine in FGENGINES4-63, upon startup. **(40 CFR Part 63 Subparts A and ZZZZ, 40 CFR 63.6595)**

The following conditions apply to:
FGCOOLTWRS6-41

DESCRIPTION: 36 cooling towers, each equipped with drift eliminators to control particulate in water droplets.

Emission Units: EUCT6, EUCT7, EUCT8, EUCT9, EUCT10, EUCT11, EUCT12, EUCT13, EUCT14, EUCT15, EUCT16, EUCT17, EUCT18, EUCT19, EUCT20, EUCT21, EUCT22, EUCT23, EUCT24, EUCT25, EUCT26, EUCT27, EUCT28, EUCT29, EUCT30, EUCT31, EUCT32, EUCT33, EUCT34, EUCT35, EUCT36, EUCT37, EUCT38, EUCT39, EUCT40, EUCT41

POLLUTION CONTROL EQUIPMENT: Drift Eliminators for each cooling tower.

I. EMISSION LIMITS

NA

II. MATERIAL LIMITS

NA

III. PROCESS/OPERATIONAL RESTRICTIONS

1. Within 180 days after startup of the first cooling tower within FGCOOLTWRS6-41, the permittee shall submit to the AQD District Supervisor, an inspection and maintenance program for all cooling towers within FGCOOLTWRS6-41. The permittee shall comply with the submitted program until the AQD District Supervisor approves the program or approves an amended program. At any time, the permittee may submit a modified program to the AQD District Supervisor for review and approval. **(R 336.1910)**

IV. DESIGN/EQUIPMENT PARAMETERS

1. The permittee shall equip and maintain each cooling tower in FGCOOLTWRS6-41 with drift eliminators. **(R 336.1205, R 336.1910)**

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 a record of any maintenance conducted for each cooling tower within FGCOOLTWRS6-41. **(R 336.1910)**

VII. REPORTING

NA

VIII. STACK/VENT RESTRICTIONS

NA

IX. OTHER REQUIREMENTS

NA