PERMIT AMENDMENT NO. 9711-245-0021-V-04-2
ISSUANCE DATE: 05/30/2025

GEORGIA
DEPARTMENT OF NATURAL RESOURCES

ENVIRONMENTAL PROTECTION DIVISION

Air Quality - Part 70 Operating Permit Amendment

Facility Name:	**USAG Fort Eisenhower**
Facility Address:	**Headquarters USAG Fort Eisenhower** **Fort Eisenhower, Georgia 30905 Richmond County**
Mailing Address:	**Directorate of Public Works Environmental Division** **515 15th Street, Building 14600** **Fort Eisenhower, GA 30905**
Parent/Holding Company:	**United States Army**
Facility AIRS Number:	**04-13-245-00021**

In accordance with the provisions of the Georgia Air Quality Act, O.C.G.A. Section 12-9-1, et seq and the Georgia Rules for Air Quality Control, Chapter 391-3-1, adopted pursuant to and in effect under the Act, the Permittee described above is issued a construction permit for:
The installation of six natural gas fired engines (PG001, PG002, PG003, PG004, PG005 and PG006), 2500 Kw each, for power generation. The removal of nine emission units (G002-G010) Peaking Generator Group 1 and 2.

This Permit Amendment shall also serve as a final amendment to the Part 70 Permit unless objected to by the U.S. EPA or withdrawn by the Division. The Division will issue a letter when this Operating Permit amendment is finalized.

This Permit Amendment is conditioned upon compliance with all provisions of The Georgia Air Quality Act, O.C.G.A. Section 12-9-1, et seq, the Rules, Chapter 391-3-1, adopted and in effect under that Act, or any other condition of this Amendment and Permit No. 9711-245-0021-V-04-0. Unless modified or revoked, this Amendment expires upon issuance of the next Part 70 Permit for this source. This Amendment may be subject to revocation, suspension, modification or amendment by the Director for cause including evidence of noncompliance with any of the above; or for any misrepresentation made in App No. 868839 dated **September 18, 2024**; any other applications upon which this Amendment or Permit No. 9711-245-0021-V-04-0 are based; supporting data entered therein or attached thereto; or any subsequent submittal or supporting data; or for any alterations affecting the emissions from this source.

This Amendment is further subject to and conditioned upon the terms, conditions, limitations, standards, or schedules contained in or specified on the attached **18** pages.

Jeffrey W. Cown

Jeffrey W. Cown, Director
Environmental Protection Division

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PART 1.0 FACILITY DESCRIPTION

1.3 Process Description of Modification

In this modification Fort Eisenhower is requesting the installation of six natural gas fired engines (PG001, PG002, PG003, PG004, PG005 and PG006), 2,500 kW each, for power generation. The facility is also requesting the removal of nine emission units (G002-G010) Peaking Generator Group 1 and 2, which were decommissioned effective October 1, 2023.

PART 3.0 REQUIREMENTS FOR EMISSION UNITS

Note: Except where an applicable requirement specifically states otherwise, the averaging times of any of the Emissions Limitations or Standards included in this permit are tied to or based on the run time(s) specified for the applicable reference test method(s) or procedures required for demonstrating compliance.

3.1. Updated Emission Units

Table 1: Emission Units and Associated Air Pollution Control Devices

Emission Units		Applicable Requirements/Standards	Air Pollution Control Devices	
ID No.	Description		ID No.	Description
B003 (Boiler Group 1)	Boiler located at Building 310/The Hospital Plant. 17 MMBtu/hr fire tube boiler fired with natural gas and having No. 2 fuel oil as backup fuel (Installed 1998)	Rule 391-3-1-.02(2)(d) Rule 391-3-1-.02(2)(g) 40 CFR 60 Subpart Dc 40 CFR 52.21/PSD Avoidance	Low NOx Burner 03	Low NOx Burner
B004 (Boiler Group 1)	Boiler located at Building 310/The Hospital Plant. 17 MMBtu/hr fire tube boiler fired with natural gas and having No. 2 fuel oil as backup fuel (Installed 1998)	Rule 391-3-1-.02(2)(d) Rule 391-3-1-.02(2)(g) 40 CFR 60 Subpart Dc 40 CFR 52.21/PSD Avoidance	Low NOx Burner 04	Low NOx Burner
B005 (Boiler Group 1)	Boiler located at Building 310/ the Hospital Plant. 17 MMBtu/hr fire tube boiler fired with natural gas and having No. 2 fuel oil as backup fuel (Installed 1998)	Rule 391-3-1-.02(2)(d) Rule 391-3-1-.02(2)(g) 40 CFR 60 Subpart Dc 40 CFR 52.21/PSD Avoidance	Low NOx Burner 05	Low NOx Burner
B006 (Boiler Group 2)	Boiler located at main heating plant/Building 25910. 62.5 MMBtu/hr water tube boiler having low NO_x burners fired with natural gas and having No. 2 fuel oil as backup fuel (Installed 2004)	Rule 391-3-1-.02(2)(d) Rule 391-3-1-.02(2)(g) 40 CFR 60 Subpart Dc 40 CFR 52.21/PSD Avoidance	Ultra Low NOx Burner 06	Ultra Low NOx Burner
B007 (Boiler Group 2)	Boiler located at main heating plant/Building 25910. 62.5.MMBtu/hr water tube boiler with low NO_x burners fired with natural gas and having No. 2 fuel oil as backup fuel (Installed 2004)	Rule 391-3-1-.02(2)(d) Rule 391-3-1-.02(2)(g) 40 CFR 60 Subpart Dc 40 CFR 52.21/PSD Avoidance	Ultra Low NOx Burner 07	Ultra Low NOx Burner

Table 1: Emission Units and Associated Air Pollution Control Devices				
Emission Units		Applicable Requirements/Standards	Air Pollution Control Devices	
ID No.	Description		ID No.	Description
B008 (Boiler Group 2)	Boiler located at main heating plant/Building 25910. 62.5 MMBtu/hr water tube boiler with low NO_x burners fired with natural gas and having No. 2 fuel Oil as backup fuel (Installed 2004)	Rule 391-3-1-.02(2)(d) Rule 391-3-1-.02(2)(g) 40 CFR 60 Subpart Dc 40 CFR 52.21/PSD Avoidance	Ultra Low NOx Burner 08	Ultra Low NOx Burner
G001	Peaking Generator at Building 310 (hospital). 4,376 HP output (Caterpillar Model No. C175-16, 3000 kW, 2016 Model Year, Tier 4 certified. Installed 2017)	Rule 391-3-1-.02(2)(b) Rule 391-3-1-.02(2)(g) 40 CFR 60 Subpart IIII	DOC01	Diesel Oxidation Catalyst
~~**G002_PP1-1 (Peaking Generator Group 1)**~~	~~**Peaking Generator at GENTS Facility/the main power plant/Building 25910.**~~ ~~**CI RICE with 2125 HP output (1500 kW_e, 15.9 MMBtu/hr @ 113 gph input; manufactured in 1967).**~~	~~**Rule 391-3-1-.02(2)(b)**~~ ~~**Rule 391-3-1-.02(2)(g)**~~ ~~**40 CFR 52.21/PSD Avoidance**~~ ~~**40 CFR 63 Subpart ZZZZ**~~	~~**CATCON 2**~~	~~**Catalytic Converter**~~
~~**G003_PP1-2 (Peaking Generator Group 1)**~~	~~**Peaking Generator at GENTS Facility/the main power plant/Building 25910.**~~ ~~**CI RICE with 2125 HP output (1500 kW_e, 15.9 MMBtu/hr @ 113 gph input; manufactured in 1967).**~~	~~**Rule 391-3-1-.02(2)(b)**~~ ~~**Rule 391-3-1-.02(2)(g)**~~ ~~**40 CFR 52.21/PSD Avoidance**~~ ~~**40 CFR 63 Subpart ZZZZ**~~	~~**CATCON 3**~~	~~**Catalytic Converter**~~
~~**G004_PP1-3 (Peaking Generator Group 1)**~~	~~**Peaking Generator at GENTS Facility/the main power plant/Building 25910.**~~ ~~**CI RICE with 2125 HP output (1500 kWe, 15.9 MMBtu/hr @ 113 gph input; manufactured in 1967).**~~	~~**Rule 391-3-1-.02(2)(b)**~~ ~~**Rule 391-3-1-.02(2)(g)**~~ ~~**40 CFR 52.21/PSD Avoidance**~~ ~~**40 CFR 63 Subpart ZZZZ**~~	~~**CATCON 4**~~	~~**Catalytic Converter**~~

Table 1: Emission Units and Associated Air Pollution Control Devices				
Emission Units		Applicable Requirements/Standards	Air Pollution Control Devices	
ID No.	Description		ID No.	Description
~~G005_PP2-1 (Peaking Generator Group 1)~~	~~Peaking Generator at GENTS Facility/the main power plant/Building 25910. CI RICE with 2125 HP output (1500 kWe, 15.9 MMBtu/hr @ 113 gph input; manufactured in 1966).~~	~~Rule 391-3-1-.02(2)(b) Rule 391-3-1-.02(2)(g) 40 CFR 52.21/PSD Avoidance 40 CFR 63 Subpart ZZZZ~~	~~CATCON 5~~	~~Catalytic Converter~~
~~G006_PP2-2 (Peaking Generator Group 1)~~	~~Peaking Generator at GENTS Facility/the main power plant/Building 25910. CI RICE with 2125 HP output (1500 kWe, 15.9 MMBtu/hr @ 113 gph input; manufactured in 1966).~~	~~Rule 391-3-1-.02(2)(b) Rule 391-3-1-.02(2)(g) 40 CFR 52.21/PSD Avoidance 40 CFR 63 Subpart ZZZZ~~	~~CATCON 6~~	~~Catalytic Converter~~
~~G007_PP2-3 (Peaking Generator Group 1)~~	~~Peaking Generator at GENTS Facility/the main power plant/Building 25910. CI RICE with 2125 HP output (1500 kWe, 15.9 MMBtu/hr @ 113 gph input; manufactured in 1966).~~	~~Rule 391-3-1-.02(2)(b) Rule 391-3-1-.02(2)(g) 40 CFR 52.21/PSD Avoidance 40 CFR 63 Subpart ZZZZ~~	~~CATCON 7~~	~~Catalytic Converter~~
~~G008_PP3-1 (Peaking Generator Group 2)~~	~~Peaking Generator at GENTS Facility/the main power plant/Building 25910. CI RICE with 2125 HP output (1500 kWe, 15.9 MMBtu/hr @ 113 gph input; manufactured in 1966).~~	~~Rule 391-3-1-.02(2)(b) Rule 391-3-1-.02(2)(g) 40 CFR 52.21/PSD Avoidance 40 CFR 63 Subpart ZZZZ~~	~~CATCON 8~~	~~Catalytic Converter~~
~~G009_PP3-2 (Peaking Generator Group 2)~~	~~Peaking Generator at GENTS Facility/the main power plant/Building 25910. CI RICE with 2125 HP output (1500 kWe, 15.9 MMBtu/hr @ 113 gph input; manufactured in 1966).~~	~~Rule 391-3-1-.02(2)(b) Rule 391-3-1-.02(2)(g) 40 CFR 52.21/PSD Avoidance 40 CFR 63 Subpart ZZZZ~~	~~CATCON 9~~	~~Catalytic Converter~~

Table 1: Emission Units and Associated Air Pollution Control Devices				
Emission Units		Applicable Requirements/Standards	Air Pollution Control Devices	
ID No.	Description		ID No.	Description
~~G010_PP3-3 (Peaking Generator Group 2)~~	~~Peaking Generator at GENTS Facility/the main power plant/Building 25910.~~ ~~CI RICE with 2125 HP output (1500 kWe, 15.9 MMBtu/hr @ 113 gph input; manufactured in 1966).~~	~~Rule 391-3-1-.02(2)(b)~~ ~~Rule 391-3-1-.02(2)(g)~~ ~~40 CFR 52.21/PSD Avoidance~~ ~~40 CFR 63 Subpart ZZZZ~~	~~CATCON 10~~	~~Catalytic Converter~~
PG001	Peaking Generator at GENTS Yard / Building 29510 Natural Gas Fired SI ICE 3,629 HP Caterpillar Model No. 3520 Output: 2,500 kW Model Year 2023	Rule 391-3-1-.02(2)(b) Rule 391-3-1-.02(2)(g) 40 CFR 60 Subpart A 40 CFR 60 Subpart JJJJ 40 CFR 63 Subpart A 40 CFR 63 Subpart ZZZZ 40 CFR 52.21/PSD Avoidance	None	None
PG002	Peaking Generator at GENTS Yard / Building 29510 Natural Gas Fired SI ICE 3,629 HP Caterpillar Model No. 3520 Output: 2,500 kW Model Year 2023	Rule 391-3-1-.02(2)(b) Rule 391-3-1-.02(2)(g) 40 CFR 60 Subpart A 40 CFR 60 Subpart JJJJ 40 CFR 63 Subpart A 40 CFR 63 Subpart ZZZZ 40 CFR 52.21/PSD Avoidance	None	None
PG003	Peaking Generator at GENTS Yard / Building 29510 Natural Gas Fired SI ICE 3,629 HP Caterpillar Model No. 3520 Output: 2,500 kW Model Year 2023	Rule 391-3-1-.02(2)(b) Rule 391-3-1-.02(2)(g) 40 CFR 60 Subpart A 40 CFR 60 Subpart JJJJ 40 CFR 63 Subpart A 40 CFR 63 Subpart ZZZZ 40 CFR 52.21/PSD Avoidance	None	None
PG004	Peaking Generator at GENTS Yard / Building 29510 Natural Gas Fired SI ICE 3,629 HP Caterpillar Model No. 3520 Output: 2,500 kW Model Year 2023	Rule 391-3-1-.02(2)(b) Rule 391-3-1-.02(2)(g) 40 CFR 60 Subpart A 40 CFR 60 Subpart JJJJ 40 CFR 63 Subpart A 40 CFR 63 Subpart ZZZZ 40 CFR 52.21/PSD Avoidance	None	None
PG005	Peaking Generator at GENTS Yard / Building 29510 Natural Gas Fired SI ICE 3,629 HP Caterpillar Model No. 3520 Output: 2,500 kW Model Year 2023	Rule 391-3-1-.02(2)(b) Rule 391-3-1-.02(2)(g) 40 CFR 60 Subpart A 40 CFR 60 Subpart JJJJ 40 CFR 63 Subpart A 40 CFR 63 Subpart ZZZZ 40 CFR 52.21/PSD Avoidance	None	None
PG006	Peaking Generator at GENTS Yard / Building 29510 Natural Gas Fired SI ICE 3,629 HP Caterpillar Model No. 3520 Output: 2,500 kW Model Year 2023	Rule 391-3-1-.02(2)(b) Rule 391-3-1-.02(2)(g) 40 CFR 60 Subpart A 40 CFR 60 Subpart JJJJ 40 CFR 63 Subpart A 40 CFR 63 Subpart ZZZZ 40 CFR 52.21/PSD Avoidance	None	None

Table 1: Emission Units and Associated Air Pollution Control Devices				
Emission Units		Applicable Requirements/Standards	Air Pollution Control Devices	
ID No.	Description		ID No.	Description
G011	Emergency Generator at GENTS Facility/the main power plant/Building 25910. CI RICE with 428 HP output (300kW$_e$, 3.2 MMBtu/hr @ 22.7 gph input; manufactured in 2003).	Rule 391-3-1-.02(2)(b) Rule 391-3-1-.02(2)(g) 40 CFR 52.21/PSD Avoidance 40 CFR 63 Subpart ZZZZ	None	None
P001 (Paint Booth Group 1)	Paint Spray Booth #1, Building 14602 Vehicle and equipment maintenance. Installed after 1996.	Rule 391-3-1-.02(2)(b) Rule 391-3-1-.02(2)(e) 40 CFR 63.802 (Wood Furniture MACT) avoidance	DF01	Dry Filter
P002 (Paint Booth Group 1)	Paint Spray Booth #2, Building 14602 Vehicle and equipment maintenance. Installed after 1996.	Rule 391-3-1-.02(2)(b) Rule 391-3-1-.02(2)(e) 40 CFR 63.802 (Wood Furniture MACT) avoidance	DF01	Dry Filter
P003 (Paint Booth Group 1)	Paint Spray Booth #3, Building 14602 Miscellaneous coating operations. Installed after 1996.	Rule 391-3-1-.02(2)(b) Rule 391-3-1-.02(2)(e) Rule 391-3-1-.02(2)(ii) avoidance 40 CFR 63.802 (Wood Furniture MACT) avoidance	DF02	Dry Filter
P004 (Paint Booth Group 1)	Paint Spray Booth #4, Building 14602 Miscellaneous coating operations. Installed after 1996.	Rule 391-3-1-.02(2)(b) Rule 391-3-1-.02(2)(e) Rule 391-3-1-.02(2)(ii) avoidance 40 CFR 63.802 (Wood Furniture MACT) avoidance	DF02	Dry Filter
P005 (Paint Booth Group 1)	Paint Spray Booth #5, Building 14602 Miscellaneous coating operations. Installed after 1996.	Rule 391-3-1-.02(2)(b) Rule 391-3-1-.02(2)(e) Rule 391-3-1-.02(2)(ii) avoidance 40 CFR 63.802 (Wood Furniture MACT) avoidance	DF02	Dry Filter
P006 (Paint Booth Group 2)	TASC Paint Spray Booth #6 (HVLP spray gun with capacity of 5.6 gph), Building 15303. Coating plastic and extruded foam props such as rifles, machine guns, pistols, bombs, grenades and mines. Installed in 2006.	Rule 391-3-1-.02(2)(b) Rule 391-3-1-.02(2)(e) Rule 391-3-1-.02(2)(a) Toxic Guideline 40 CFR 52.21/PSD avoidance 40 CFR 63.802 (Wood Furniture MACT) avoidance	DF02	Dry Filter

Table 1: Emission Units and Associated Air Pollution Control Devices				
Emission Units		Applicable Requirements/Standards	Air Pollution Control Devices	
ID No.	Description		ID No.	Description
P007 (Paint Booth Group 2)	TASC Paint Spray Booth #7 (HVLP spray gun with capacity of 5.6 gph), Building 15303. Coating wood furniture. Installed in 2006.	Rule 391-3-1-.02(2)(b) Rule 391-3-1-.02(2)(e) Rule 391-3-1-.02(2)(a) Toxic Guideline 40 CFR 52.21/PSD avoidance 40 CFR 63.802 (Wood Furniture MACT) avoidance	DF02	Dry Filter
SJB	Sponge-Jet Blasting operation/ equipment in Building 14602.	Rule 391-3-1-.02(2)(b) Rule 391-3-1-.02(2)(e) Rule 391-3-1-.02(2)(n)	SJB01	Filter
WW1	Woodworking Area in Building 14601	Rule 391-3-1-.02(2)(b) Rule 391-3-1-.02(2)(e) Rule 391-3-1-.02(2)(a) Toxic Guideline 40 CFR 52.21/PSD avoidance 40 CFR 63.802 (Wood Furniture MACT) avoidance	DC01	Dust Collectors (Cyclone)
WW2	Woodworking Area in Building 14602	Rule 391-3-1-.02(2)(b) Rule 391-3-1-.02(2)(e) Rule 391-3-1-.02(2)(a) Toxic Guideline 40 CFR 52.21/PSD avoidance 40 CFR 63.802 (Wood Furniture MACT) avoidance	DC02	Dust Collectors (Cyclone)
WW3	Woodworking Area in Building 15303	Rule 391-3-1-.02(2)(b) Rule 391-3-1-.02(2)(e) Rule 391-3-1-.02(2)(a) Toxic Guideline 40 CFR 52.21/PSD avoidance 40 CFR 63.802 (Wood Furniture MACT) avoidance	DC03	Dust Collectors (Cyclone)

* Generally applicable requirements contained in this permit may also apply to the emission units listed above. The lists of applicable requirements/standards are intended as a compliance tool and may not be definitive.

3.2 Equipment Emission Caps and Operating Limits

Modified Conditions

3.2.1 The Permittee shall limit the total combined energy output per any twelve consecutive months from **Peaking Generators PG001, PG002, PG003, PG004, PG005, and PG006**, to the amount listed in Table 2, to assure that the PSD Significance levels are not exceeded: [Avoidance of 40 CFR 52.21 - PSD]

Table 2: Emission Unit Energy Output Limits	
Emission Unit	Total energy output allowed during any 12-month period, kwh*
Peaking Generators PG001, PG002, PG003, PG004, PG005, and PG006 at GENTS Yard/Building 29510	**31,050,025**
*kwh = 1000 Watt-hours	

3.2.2 **[Removed]**

3.3 Equipment Federal Rule Standards

3.3.3 **[Removed]**

New Conditions

3.3.9 The Permittee shall comply with all applicable provisions of the New Source Performance Standards (NSPS), 40 CFR 60 Subpart A – "General Provisions," and Subpart JJJJ – "Standards of Performance for Stationary Spark Ignition Internal Combustion Engines," for the operation of the Peaking Generators PG001, PG002, PG003, PG004, PG005, and PG006. [40 CFR 60 Subpart A and Subpart JJJJ]

3.3.10 The Permittee shall not cause, let, suffer, permit or allow emissions from Peaking Generators PG001, PG002, PG003, PG004, PG005, and PG006 which contain in excess of the following emission limits over the entire life of the engine:
[40 CFR 60.4233(e), 60.4234, and Table 1 of NSPS Subpart JJJJ]

ID No.	Emission Limits					
	grams per horsepower-hour (g/Hp-hr)			ppmvd at 15% O_2		
	NOx	CO	VOC	NOx	CO	VOC
Peaking Generators PG001 thru PG006	1.0	2.0	0.7	82	270	60

* The Permittee may choose to comply with the emission limits in units of either g/HP-hr or ppmvd at 15% O_2.
** NOx = Nitrogen Oxides, CO = Carbon Monoxide, VOC = Volatile Organic Compounds

3.3.11 The Permittee shall demonstrate compliance with the emission limits for Peaking Generators PG001, PG002, PG003, PG004, PG005, and PG006, as specified in 40 CFR 60 Subpart JJJJ by purchasing an engine certified to the emission standards in 40 CFR 60 Subpart JJJJ, for the same model year and maximum engine power.
[40 CFR 60.4243(b)]

Requirements for certified engines

a. If the Permittee purchases a certified engine and operates and maintains the certified engine according to the manufacturer's emission-related written instructions, and keeps records of conducted maintenance, no performance testing is required. The Permittee shall also comply with the applicable requirements in 40 CFR Part 1068, Subparts A through D; or
[40 CFR 60.4243(a)(1)]

b. If the Permittee does not operate and maintain the certified engine according to the manufacturer's emission-related written instructions, the engine will be considered a non-certified engine, and the Permittee shall demonstrate compliance according to the following:
[40 CFR 60.4243(a)(2)]

i. For engines less than 100 HP, the Permittee must keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a consistent manner with good air pollution control practice for minimizing emissions. No performance testing is required.

ii. For engines greater than or equal to 100 HP and less than or equal to 500 HP, the Permittee must 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. The Permittee must conduct an initial performance test within 1 year of engine startup to demonstrate compliance.

iii. For engines greater than 500 HP, the Permittee must 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.

The Permittee must conduct an initial performance test within 1 year of engine startup and conduct subsequent performance testing every 8,760 hours or 3 years, whichever comes first.

Requirements for non-certified engines

c. If the Permittee purchases a non-certified engine, the Permittee shall demonstrate compliance according to the following:
[40 CFR 60.4243(b)(2)]

i. For engines greater than 25 HP and less than or equal to 500 HP, the Permittee must 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. The Permittee must conduct an initial performance test.

ii. For engines greater than 500 HP, the Permittee must 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. The Permittee must conduct an initial performance test and conduct subsequent performance testing every 8,760 hours or 3 years, whichever comes first.

3.4 Equipment SIP Rule Standards

Modified Condition

3.4.1 The Permittee shall not discharge, or cause the discharge, into the atmosphere, from the **Peaking Generators PG001, PG002, PG003, PG004, PG005, and PG006**, the Emergency Generator No. G011; Paint Spray Booth Nos. P001 through P007, and Woodworking Areas WW1, WW2, and WW3; Sponge-Jet Blasting Operation SJB; or any stack, any gases which exhibit visible emissions, the opacity of which is equal to or greater than 40 percent, unless otherwise specified.
[391-3-1-.02(2)(b)1.]

PART 4.0 REQUIREMENTS FOR TESTING

4.2 Specific Testing Requirements

4.2.1 **[Removed]**

New Condition

4.2.2 In accordance with the applicable provisions of:
[40 CFR 60.8 and 40 CFR 63.7]

a. 40 CFR 60.8, for any equipment which is subject to the *"New Source Performance Standards,"* constructed or modified at the facility, the Permittee shall conduct a performance test within 60 days after achieving the maximum production rate at which the equipment will be operated, but no later than 180 days after initial startup, unless the equipment is specifically exempted from testing in the applicable Subpart of 40 CFR 60. The tests shall be conducted using the test methods and procedures specified in Condition 4.1.3. The specific pollutants, sample volumes, run times, and other testing parameters shall be as specified in the applicable Subpart of 40 CFR 60.

b. 40 CFR 63.7, for any equipment which is subject to 40 CFR 63 *"National Emission Standards for Hazardous Air Pollutants for Source Categories,"* constructed or modified at the facility, the Permittee shall conduct a performance test within 60 days after achieving the maximum production rate at which the equipment will be operated, but no later than 180 days after initial startup, unless the equipment is specifically exempted from testing in the applicable Subpart of 40 CFR 63. The specific pollutants, sample volumes, run times, and other testing parameters shall be as specified in the applicable Subpart of 40 CFR 63.

PART 5.0 REQUIREMENTS FOR MONITORING (Related to Data Collection)

5.2 Specific Monitoring Requirements

Modified Conditions

5.2.1 The Permittee shall install, calibrate, maintain, and operate monitoring devices for the measurement of the indicated parameters on the following equipment. Data shall be recorded at the frequency specified below. Where such performance specification(s) exist, each system shall meet the applicable performance specification(s) of the Division's monitoring requirements.
[391-3-1-.02(6)(b)1 and 40 CFR70.6(a)(3)(i)]

a. A non-resettable cumulating hour meter on Peaking Generator No. G001, **Peaking Generators PG001, PG002, PG003, PG004, PG005, and PG006,** and Emergency Generator G011. Operating hours/data shall be recorded monthly.

b. A fuel oil consumption meter or other method acceptable to the Division to measure fuel oil fired (in gallons) in Boilers Nos. B003 through B008. Fuel oil usage/data shall be recorded at least monthly.

c. A natural gas consumption meter or other method acceptable to the Division to measure natural gas fired (in cubic feet) in Boilers Nos. B003 through B008, **and Peaking Generators PG001 through PG006**. Natural gas usage/data shall be recorded at least monthly.

d. A pressure drop measurement device across each filter bank or baghouse with Air Pollution Control Device (APCD) ID Nos. DF01, DF02, and SJB01, in units of inches of water column, for Paint Spray Booths P001 through P007 and Sponge-jet Blasting operations SJB. Pressure measurements/data shall be recorded once per shift for each day of operation. These records shall include the individual pressure drop readings and the acceptable range(s) of pressure drop as specified by the filter or booth manufacturer or in locally prepared operating procedures.

e. A measurement device to monitor the engine exhaust gas temperature for Peaking Generator No. G001. The engine exhaust gas temperature shall be recorded at least once each day or portion of each day of operation of Peaking Generator No. G001.

5.2.3 The Permittee shall install, calibrate, operate and maintain a Utility Monitoring and Control System (UMCS) to continuously monitor and record, per Condition 6.2.7, the electrical output, in kilowatts (kW), of each engine driven generator in **Peaking Generators PG001, PG002, PG003, PG004, PG005, and PG006** as listed in Table 2.
[391-3-1-.02(6)(b)1, 40 CFR 70.6(a)(3)(i) and Avoidance of 40 CFR 52.21 - PSD]

5.2.6 **[Removed]**

5.2.7 For any stationary RICE subject to any of the emission and operating limitations of 40 CFR 63 Subpart ZZZZ, the Permittee shall, as applicable, monitor and collect data as required below:
[40 CFR 63.6635]

a Monitor continuously at all times that the stationary RICE is operating, except for monitor malfunctions, associated repairs, required performance evaluations, and required quality assurance or control activities. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.

b. The Permittee may not use data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities in data averages and calculations used to report emission or operating levels. The Permittee shall use all the valid data collected during all other periods.

5.2.8 **[Removed]**

PART 6.0 OTHER RECORD KEEPING AND REPORTING REQUIREMENTS

6.1 General Record Keeping and Reporting Requirements

6.1.7 For the purpose of reporting excess emissions, exceedances or excursions in the report required in Condition 6.1.4, the following excess emissions, exceedances, and excursions shall be reported:
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

a. Excess emissions: (means for the purpose of this Condition and Condition 6.1.4, any condition that is detected by monitoring or record keeping which is specifically defined, or stated to be, excess emissions by an applicable requirement)

None required to be reported in accordance with Condition 6.1.4.

b. Exceedances: (means for the purpose of this Condition and Condition 6.1.4, any condition that is detected by monitoring or record keeping that provides data in terms of an emission limitation or standard and that indicates that emissions (or opacity) do not meet the applicable emission limitation or standard consistent with the averaging period specified for averaging the results of the monitoring)

i. Any time the total combined energy output per any twelve consecutive months from any engine Emission Unit, listed in Table 7 below, exceeds the allowable energy output:

Table 7: Emission Unit Energy Output Limits per Condition 3.2.1	
Emission Unit	Allowable total energy output during any 12-month period.
Peaking Generators PG001, PG002. PG003, PG004, PG005, and PG006 at GENTS Yard/Building 29510	**31,050,025**
*kwh = 1000 Watt-hours	

ii. Any time the total amount of fuel oil or natural gas fired in the Emission Unit Boiler Group 1, listed in Condition 3.2.4, exceeds the listed annual allowable in Table 8 below:

Table 8: Emission Unit Group Fuel Limits		
Group No.	Total distillate oil is allowed to be fired during any 12-month period	Total natural gas allowed to be fired during any 12-month period
Boiler Group 1 Emission Units (Boiler Nos. B003, B004 and B005)	300,000 gallons	125,000,000 cubic feet

iii. Any time the total combined NOx emitted during a twelve consecutive month period, from Boiler Group 2 (Boiler Nos. B006, B007, and B008) and the Emergency Generator No. G011, exceeds 39.9 tons, per Condition 3.2.6.

iv. Any time the total combined SO_2 emitted during a twelve consecutive month period, from Boiler Group 2 (Boiler Nos. B006, B007, and B008) and the Emergency Generator No. G011, exceeds 39.9 tons, per Condition 3.2.7.

v. Any period during which fuel oil burned in Boiler Nos. B003 through B008 has a sulfur content greater than 0.5 percent.

vi. Any VOC emissions equal to or exceeding 100 tons during any 12 consecutive month period from Paint Spray Booth Nos. P003, P004 and P005.

vii. **[Removed]**

viii. Any period during which diesel fuel oil burned in the emergency generator G011 has a sulfur content greater than 0.5 percent.

ix. Any month during which more than 100 gallons of finishing material or adhesives (as defined in Condition 2.1.1) was used by the facility in the manufacture of wood furniture or wood furniture components.

x. Any event of using diesel fuel with a maximum sulfur content of greater than 15 parts per million (ppm) (0.0015 percent by weight), with a minimum cetane index of less than 40, or with a maximum aromatic content of greater than 35 percent volume to operate any of the CI RICEs at this facility.

c. Excursions: (means for the purpose of this Condition and Condition 6.1.4, any departure from an indicator range or value established for monitoring consistent with any averaging period specified for averaging the results of the monitoring)

i. Any failure to follow the filter or bag change out procedures for Paint Spray Booth Nos. P001 through P007, and the Sponge-jet Blasting Operation SJB per Condition 3.5.3.

ii. Any occurrence when the pressure drop across any of the filters with Air Pollution Control Device (APCD) ID Nos. DF01, DF02, and SJB01 is outside of the proper operating range as specified by Condition 5.2.1.d.

iii. Any failure to operate the filters or dust collectors for any emission unit during the reporting period, per Condition 3.5.1.

iv. Any indication of improper operation or adverse condition of a filter system (APCD Nos. DF01, DF02, and SJB01) or a dust collector (APCD Nos. DC01, DC02, and DC03), as discovered by an inspection required by Condition 5.2.2.

v. Any incident that any of the Boiler Nos. B003 through B008 burned liquid fuels other than during periods of gas curtailment, gas supply emergencies, or periodic testing on liquid fuel.

vi. Any incident that the periodic testing of liquid fuel on any of the Boiler Nos. B003 through B008 exceeded a combined total of 48 hours during any calendar year.

vii. **[Removed]**

viii. **[Removed]**

ix. Any incident that the annual operating hours of each emergency generator exceeded the applicable limits in Condition 3.2.9.

x. Any occurrence when the engine exhaust gas temperature for Peaking Generator No. G001 is outside of the proper operating range as specified by the manufacturer.

6.2 Specific Record Keeping and Reporting Requirements

Modified Conditions

6.2.1 For all diesel fuel oil received for combustion in the engines listed in Table 1, the Permittee may demonstrate compliance with the fuel sulfur limits in Conditions 3.2.3 and 3.3.6, through the use of fuel supplier certifications. A fuel supplier certification shall contain the following information: (1) the name of the supplier; and (2) a statement from the supplier that the oil complies with the specifications of diesel fuel oil numbers 1-D, 2-D, Low Sulfur 1-D or Low Sulfur 2-D contained in ASTM D975.
[391-3-1-.02(6)(b)1(i) and 40 CFR 70.6(a)(3)(i)]

6.2.3 In lieu of complying with Condition 6.2.1 or 6.2.2, the Permittee may use a fuel sampling and analysis method to demonstrate compliance with Conditions 3.2.5 or 3.3.6; the fuel sulfur content certification shall contain the following information:

a. The name of the oil supplier.

b. The location of the oil where the sample was drawn for analysis to determine the sulfur content of the oil, specifically noting whether the oil was sampled as delivered to the Permittee or whether the sample was drawn from oil in storage at the oil supplier's or oil refiner's facility, or other location.

c. The sulfur content determined.

d. The method used to determine the sulfur content of the oil.

e. The quantity and type of fuel oil delivered.

6.2.5 The Permittee shall retain records of all fuel burned by Peaking Generator No. G001 and Emergency Generator No. G011 for five years after the date and year of record. The records shall be available for inspection or submittal to the Division, upon request, and contain fuel supplier certifications or fuel oil analyses required by Condition 6.2.1.
[391-3-1-.02(6)(b)1(i) and 40 CFR 70.6(a)(3)(i)]

6.2.6 The Permittee shall retain a record of total hours operated during each calendar month for **Peaking Generators PG001, PG002, PG003, PG004, PG005, PG006**, Peaking Generator No. G001, and Emergency Generator No. G011. The records shall be available for inspection or submittal to the Division, upon request.
[391-3-1-.02(6)(b)1(i) and 40 CFR 70.6(a)(3)(i)]

6.2.7 The Permittee shall retain a record of the total energy generated (in Kwh) during each calendar month for each **Peaking Generator PG001, PG002, PG003, PG004, PG005, and PG006.**
[391-3-1-.02(6)(b)1(i) and 40 CFR 70.6(a)(3)(i)]

6.2.8 The Permittee shall use the total monthly energy generated data recorded, per Condition 6.2.7, to calculate the total kwh generated during each 12-month period for each month during the semiannual reporting period for each **Peaking Generator PG001, PG002, PG003, PG004, PG005, and PG006**, to demonstrate compliance with the applicable limit in Condition 3.2.1.
[391-3-1-.02(6)(b)1(i) and 40 CFR 70.6(a)(3)(i)]

6.2.11 The Permittee shall submit a semiannual report according to the schedule in Condition 6.1.4. The report shall be prepared from records retained per Conditions 6.2.5, 6.2.6, 6.2.7, 6.2.8, 6.2.9, 6.2.10, and 6.2.16. The reports submitted to the Division shall include the following:
[391-3-1-.03(2)(c), 391-3-1-.02(6)(b)1(i), 40 CFR 70.6(a)(3)(i) and Avoidance of 40 CFR 52.21/PSD and 40 CFR Part 63 Subpart JJJJJJ]

a. A statement, signed by a responsible official, affirming that all fuel oil burned in all engines during the reporting period was diesel fuel oil, as defined in Condition 6.2.1.

b. The total combined operating hours for each of the engine driven generators in **Peaking Generators PG001, PG002, PG003, PG004, PG005, and PG006** during each of the previous twelve consecutive month periods, for each calendar month in the semiannual reporting period (i.e., six 12-month totals).

c. The total combined energy generated by each of the engine driven generators in **Peaking Generators PG001, PG002, PG003, PG004, PG005, and PG006** during each of the previous twelve consecutive month periods for each calendar month in the semiannual reporting period (i.e., six 12-month totals).

d. A statement, signed by an official of the company, affirming that all fuel oil burned in all boilers during the reporting period was distillate fuel oil, as defined in Condition 6.2.2.

e. The total quantity of distillate oil burned in each of the boilers in Boiler Group 1 and 2 during the previous twelve consecutive month periods for each calendar month in the semiannual reporting period (i.e., six 12-month totals).

f. The total quantity of natural gas burned for boilers in Boiler Group 1 and 2 and **Peaking Generators PG001, PG002, PG003, PG004, PG005, and PG006** during the previous twelve consecutive month periods for each calendar month in the semiannual reporting period (i.e., six 12-month totals).

g. The total combined NOx and SO_2 emissions calculated per Condition 6.2.10 for the boilers in Boiler Group 1 and the Emergency Generator No. G011 during each of the previous twelve consecutive month periods for each calendar month in the semiannual reporting period (i.e., six 12-month totals).

h. The reason for burning fuel oil each time in each Boiler B003 through B008.

i. The duration of periodic testing of fuel oil in each Boiler B003 through B008 during the semiannual reporting period.

6.2.21 **[Removed]**

6.2.22 **[Removed]**

6.2.23 **[Removed]**

6.2.27 **[Removed]**

New Condition

6.2.30 The Permittee shall retain the following records for Peaking Generators PG001, PG002, PG003, PG004, PG005, and PG006:
[391-3-1-.02(6)(b)1. and 40 CFR 60.4245(a)]

a. All notifications submitted to comply with 40 CFR 60 Subpart JJJJ and all documentation supporting any notification.

b. Maintenance conducted on the engines.

c. If the generator is a certified engine, documentation from the manufacturer that the engine is certified to meet the emission standards and requirements as required in 40 CFR Parts 1048, 1054, and 1060, as applicable.

d. If the generator is not a certified engine or is a certified engine that is operating in a non-certified manner, documentation that each engine meets the emission standards limits specified in Condition 3.3.10.