



## State of Mississippi



### FEDERALLY ENFORCEABLE AIR POLLUTION CONTROL PERMIT

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

#### **THIS CERTIFIES**

Entergy Mississippi Inc, Grand Gulf Nuclear Station  
7003 Bald Hill Road  
Port Gibson, MS  
Claiborne County

has been granted permission to operate air emissions equipment in accordance with emission limitations, monitoring requirements and conditions set forth herein. This permit is issued in accordance with the Federal Clean Air Act and the provisions of the Mississippi Air and Water Pollution Control Law (Section 49-17-1 et. set., Mississippi Code of 1972), the regulations and standards adopted and promulgated thereunder, and the State Implementation Plan for operating permits for synthetic minor sources.

**Mississippi Environmental Quality Permit Board**

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**Mississippi Department of Environmental Quality**

Issued/Modified: JAN 06 2014

Expires: DEC 31 2018

Permit No. 0420-00023

Agency Interest # 2082

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National Emission Standards for Hazardous Air Pollutants, Subpart ZZZZ (40 CFR 63)	

## Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Entergy Mississippi Inc, Grand Gulf Nuclear Station

Subject Item Inventory

Permit Number:0420-00023

Activity ID No.: PER20080001

### Subject Item Inventory:

ID	Designation	Description
AI2082	2082	Nuclear Power Plant
EQPT1	AA-001	68.25 MMBTU/hr Diesel Fuel Fired Division 1 Standby Emergency Generator Engine (No. 1 Engine)
EQPT2	AB-001	68.31 MMBTU/hr Diesel Fuel Fired Division 2 Standby Emergency Generator Engine (No. 2 Engine)
EQPT3	AC-001	10.68 MMBTU/hr Diesel Fuel Fired Division 3 Standby Emergency Generator Engine (No. 3 Engine)
EQPT4	AA-002	1.53 MMBTU/hr Diesel Fuel Fired Fire Water Pump Engine (No. 5 (A) Engine)
EQPT5	AB-002	1.53 MMBTU/hr Diesel Fuel Fired Fire Water Pump Engine (No. 6 (B) Engine)
EQPT6	AC-002	2.21 MMBTU/hr Diesel Fuel Fired ESC Emergency Generator Engine (No. 7 Engine)
EQPT7	AA-003	2.43 MMBTU/hr Diesel Fuel Fired OSC Emergency Generator Engine (No. 9 Engine)
EQPT8	AB-003	0.28 MMBTU/hr Diesel Fuel Fired Division 1 Starting Air Compressor Engine (No. 10)
EQPT9	AC-003	0.28 MMBTU/hr Diesel Fuel Fired Division 2 Starting Air Compressor Engine (No. 11)
EQPT10	AD-003	0.04 MMBTU/hr Diesel Fuel Fired Division 3 Starting Air Compressor Engine (No. 12)
EQPT11	AE-003	2.07 MMBTU/hr Diesel Fuel Fired Well Water Engine (No. 15)
EQPT13	AA-011	0.71 MMBTU/hr Diesel Fuel Fired Telecommunications Emergency Generator
EQPT14	AA-008	Unit 1CWS Cooling Tower with Auxiliary Tower, 34,800 kgal/hr natural draft (Ref. No. 17)
EQPT15	AA-009	Standby Service Water A Cooling Tower, 780 kgal/hr forced draft (Ref. No. 18)
EQPT16	AA-010	Standby Service Water B Cooling Tower, 840 kgal/hr forced draft (Ref. No. 19)

### Subject Item Groups:

ID	Description	Components
GRPT1	Twenty four (24) Various Above Ground Storage Tanks	EQPT18 30,000 Gallon Clean Lube Oil Tank
		EQPT19 60,000 Gallon Dirty Lube Oil Tank
		EQPT20 1,000 Gallon Vehicle Maintenance Shop Gasoline Tank
		EQPT21 2,000 Gallon Vehicle Maintenance Shop Diesel Tank
		EQPT22 Day Tank for Backup Diesel Engines

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ID	Description	Components
GRPT1	Twenty four (24) Various Above Ground Storage Tanks	EQPT23 Day Tank for Backup Diesel Engines EQPT24 Day Tank for Backup Diesel Engines EQPT25 Well Water Diesel Tank EQPT26 Fire Water Engine Tank EQPT27 Fire Water Engine Tank EQPT28 Vehicle Fuel Tank-Ground Maintenance EQPT29 Fuel Oil Storage Day Tank EQPT30 Used Oil Tank-Maintenance Shop EQPT31 Lube Oil Reservoir for Main Turbine EQPT32 Vehicle Maintenance Tank EQPT33 Vehicle Maintenance Tank EQPT34 Radial Well Lube Oil Storage Tank 1 EQPT35 Radial Well Lube Oil Storage Tank 3 EQPT36 Radial Well Lube Oil Storage Tank 4 EQPT37 Demineralized Water Storage Tank EQPT38 Four (4) Acid Storage Tanks EQPT39 Process Water Storage Tank EQPT40 Radial Well Lube Oil Storage Tank 5 EQPT41 Radial Well Lube Oil Storage Tank 6

**Receiving Stream Relationships:**

## Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

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Subject Item	Relationship	Receiving Stream
AI 2082 Nuclear Power Plant	Discharges Into	Lake Hamilton

### KEY

ACT = Activity

AREA = Area

CONT = Control Device

IA = Insignificant Activity

PCS = PCS

TRMT = Treatment

AI = Agency Interest

CAFO = Concentrated Animal Feeding Operation

EQPT = Equipment

MAFO = Animal Feeding Operation

RPNT = Release Point

WDPT = Withdrawal Point

# Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Entergy Mississippi Inc, Grand Gulf Nuclear Station

Facility Requirements

Permit Number:0420-00023

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## AI0000002082 (2082) Nuclear Power Plant:

### Monitoring Requirements:

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Condition No.	Parameter	Condition
M-1		Fuel oil certifications shall be made once by the fuel supplier certifying the fuel oil delivered will have less than one percent (1.0%) sulfur in the fuel. This certification shall be maintained on site for review by MDEQ at all times. [11 Miss. Admin. Code Pt. 2, Ch. 2. II.B(11)]

### Submittal/Action Requirements:

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Condition No.	Condition
S-1	General Condition: Except as otherwise specified herein, the permittee shall report all deviations from permit requirements, including those attributable to upsets, the probable cause of such deviations, and any corrective actions or preventive measures taken. Said report shall be made within five (5) working days of the time the deviation began. [11 Miss. Admin.Code Pt. 2, R.2.2.B(10).]
S-2	Except as otherwise specified herein, the permittee shall Submit a certified annual synthetic minor monitoring report: Due annually, by the 31st of January for preceding calendar year. This report shall include total hours of operation on a monthly basis and on a 365 day rolling basis specifically for Emission Points AA-001, AB-001, AC-001, AA-002, AB-002, AC-002, AA-003, AE-003, and AA-011. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).]

### Narrative Requirements:

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Condition No.	Condition
T-1	General Condition: Any activities not identified in the application are not authorized by this permit. [Miss. Code Ann. 49-17-29 1.b]
T-2	General Condition: The permittee shall at all times maintain in good working order and operate as efficiently as possible all air pollution control facilities or systems installed or used by the permittee to achieve compliance with the terms and conditions of this permit. [11 Miss. Admin. Code Pt. 2, R. 2.5.A.]

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### AI0000002082 (continued):

#### Narrative Requirements:

Condition No.	Condition
T-3	General Condition: Solids removed in the course of control of air emissions shall be disposed of in a manner such as to prevent the solids from becoming windborne and to prevent the materials from entering state waters without the proper environmental permits. [Miss. Code Ann. 49-17-29 1.a(i and ii)]
T-4	General Condition: Any diversion from or bypass of collection and control facilities is prohibited except as provided for in 11 Miss. Admin. Code Pt.2, R. 1.10, "Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants", [11 Miss. Admin.Code Pt. 2, R.1.10.]
T-5	General Condition: Should the Executive Director of the Mississippi Department of Environmental Quality declare an Air Pollution Emergency Episode, the permittee will be required to operate in accordance with the permittee's previously approved Emissions Reduction Schedule. [11 Miss. Admin.Code Pt. 2, R.2.10.]
T-6	General Condition: The permittee shall allow the Mississippi Department of Environmental Quality Office of Pollution Control and the Mississippi Environmental Quality Permit Board and/or their authorized representatives, upon the presentation of credentials: (a) To enter upon the permittee's premises where an air emission source is located or in which any records are required to be kept under the terms and conditions of this permit, and (b) At reasonable times to have access to and copy any records required to be kept under the terms and conditions of this permit; to inspect any monitoring equipment or monitoring method required in this permit; and to sample any air emission. [Miss. Code Ann. 49-17-21]
T-7	General Condition: After notice and opportunity for a hearing, this permit may be modified, suspended, or revoked in whole or in part during its term for cause including, but not limited to: (a) Violation of any terms or conditions of this permit (b) Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or (c) A change in any condition that required either a temporary or permanent reduction or elimination of authorized air emissions. [11 Miss. Admin.Code Pt. 2, R. 2.2.C.]
T-8	General Condition: This permit and/or any part thereof may be modified, revoked, reopened, and reissued, or terminated for cause. Sufficient cause for this permit to be reopened shall exist when an air emissions stationary source becomes subject to Title V. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of the permit. [11 Miss. Admin.Code Pt. 2, R.2.2.B(15)(b).]
T-9	General Condition: Except for data determined to be confidential under the Mississippi Air & Water Pollution Control Law, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the offices of the Mississippi Department of Environmental Quality Office of Pollution Control. [Miss. Code Ann. 49-17-39]

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### AI0000002082 (continued):

#### Narrative Requirements:

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Condition No.	Condition
T-10	General Condition: The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State, or local laws or regulations. [11 Miss. Admin.Code Pt. 2, R. 2.2.B(15)(c).]
T-11	General Condition: Nothing herein contained shall be construed as releasing the permittee from any liability for damage to persons or property by reason of the installation, maintenance, or operation of the air cleaning facility, or from compliance with the applicable statutes of the State, or with local laws, regulations, or ordinances. [11 Miss. Admin.Code Pt. 2, R. 2.2.B(7).]
T-12	General Condition: This permit may only be transferred upon approval of the Mississippi Environmental Quality Permit Board. [11 Miss. Admin. Code Pt. 2, R. 2.16.B.]
T-13	General Condition: This permit is for air pollution control purposes only. [11 Miss. Admin.Code Pt. 2, R. 2.1.D(1).]
T-14	General Condition: This permit is a Federally-approved permit to operate a synthetic minor source as described in 11 Miss. Admin. Code Pt. 2, R. 2.4.D [11 Miss. Admin.Code Pt. 2, R. 2.4.D.]
T-15	General Condition: The provisions of this permit are severable. If any provision of this permit, or the application of any provision of this permit to any circumstances, is challenged or held invalid, the validity of the remaining permit provisions and/or portions thereof or their application to other persons or sets of circumstances, shall not be affected thereby. [11 Miss. Admin.Code Pt. 2, R. 2.1.D(7).]
T-16	General Condition: The permittee shall furnish to MDEQ within a reasonable time any information MDEQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to MDEQ copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee shall furnish such records to MDEQ along with a claim of confidentiality. [11 Miss. Admin.Code Pt. 2, R. 2.2.B(15)(d).]



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### AI0000002082 (continued):

#### Narrative Requirements:

Condition No.	Condition
T-17	<p>General Condition: This permit does not authorize a modification as defined in 11 Miss. Admin. Code Pt. 2, Ch. 2 "Permit Regulations for the Construction and/or Operation of Air Emissions Equipment". Modification is defined as "Any physical change in or change in the method of operation of a facility which increases actual emissions or potential uncontrolled emissions of any air pollutant subject to regulation under the Federal Act emitted into the atmosphere by that facility or which results in the emission of any air pollutant subject to regulation under the Federal Act into the atmosphere not previously emitted. A physical change or change in the method of operation shall not include:</p> <ul style="list-style-type: none"><li>(a) routine maintenance, repair, and replacement;</li><li>(b) use of an alternative fuel or raw material by reason of an order under Sections 2(a) and (b) of the Federal Energy Supply and Environmental Coordination Act of 1974 (or any superseding legislation) or by reason of a natural gas curtailment plan pursuant to the Federal Power Act;</li><li>(c) use of an alternative fuel by reason of an order or rule under Section 125 of the Federal Act;</li><li>(d) use of an alternative fuel or raw material by a stationary source which: (i) the source was capable of accommodating before January 6, 1975, unless such change would be prohibited under any federally enforceable permit condition which was established after January 6, 1975, pursuant to 40 CFR 52.21 or under regulations approved pursuant to 40 CFR 51.166; or (ii) the source is approved to use under any permit issued under 40 CFR 52.51 or under regulations approved pursuant to 40 CFR 51.166;</li><li>(e) an increase in the hours of operation or in the production rate unless such change would be prohibited under any federally enforceable permit condition which was established after January 6, 1975, pursuant to 40 CFR 52.51, or under regulations approved pursuant to Subpart I or 40 CFR 51.166; or</li><li>(f) any change in ownership of the stationary source" [11 Miss. Admin.Code Pt. 2, R. 2.1.D(2).]</li></ul>
T-18	<p>General Condition: It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit unless halting or reducing activity would create an imminent and substantial endangerment threatening the public health and safety of the lives and property of the people of this state. [11 Miss. Admin.Code Pt. 2, R.2.2.B(15)(a).]</p>
T-19	<p>General Condition: The permittee shall retain all required records, monitoring data, supported information and reports for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records, all original strip-chart recordings or other data for continuous monitoring instrumentation, and copies of all reports required by this permit. Copies of such records shall be submitted to MDEQ as required by Applicable Rules and Regulations or this permit upon request. [11 Miss. Admin.Code Pt. 2, R.2.9.]</p>
T-20	<p>General Condition: The knowing submittal of a permit application with false information may serve as the basis for the Permit Board to void the permit issued pursuant thereto or subject the applicant to penalties for constructing or operating without a valid permit. [11 Miss. Admin.Code Pt. 2, R.2.2.B(5).]</p>

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### AI0000002082 (continued):

#### Narrative Requirements:

Condition No.	Condition
T-21	<p>General Condition: Emergencies</p> <p>(a) Except as otherwise specified herein, an emergency means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under the permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.</p> <p>(b) An emergency constitutes an affirmative defense to an action brought for noncompliance with such technology-based emission limitations if the conditions specified in (c) following are met.</p> <p>(c) The affirmative defense of emergency shall be demonstrated through properly signed contemporaneous operating logs, or other relevant evidence as follows: (i) an emergency occurred and that the permittee can identify the cause(s) of the emergency; (ii) the permitted facility was at the time being properly operated; (iii) during the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and (iv) the permittee submitted notice of the emergency to MDEQ within two (2) working days of the time when emission limitations were exceeded due to the emergency which contained a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.</p> <p>(d) In any enforcement proceeding, the permittee seeking to establish the occurrence of any emergency has the burden of proof.</p> <p>(e) This provision is in addition to any emergency or upset provision contained in any applicable requirement specified elsewhere herein [11 Miss. Admin.Code Pt. 2, R.2.2.B(10).]</p>
T-22	<p>General Condition: Upsets</p> <p>(a) The occurrence of an upset constitutes an affirmative defense to an enforcement action brought for noncompliance with emission standards or other requirements of Applicable Rules and Regulations or any applicable permit if the permittee demonstrates through properly signed contemporaneous operating logs, or other relevant evidence that include information as follows: (i) an upset occurred and that the permittee can identify the cause(s) of the upset; (ii) the source was at the time being properly operated; (iii) during the upset the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements of Applicable Rules and Regulations or any applicable permit; (iv) the permittee submitted notice of the upset to the DEQ within five (5) working days of the time the upset began which contained a description of the upset, any steps taken to mitigate emissions, and corrective actions taken.</p> <p>(b) In any enforcement proceeding, the permittee seeking to establish the occurrence of an upset has the burden of proof.</p> <p>(c) This provision is in addition to any upset provision contained in any applicable requirement. [11 Miss. Admin.Code Pt. 2, R.1.10.]</p>

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### AI0000002082 (continued):

#### Narrative Requirements:

Condition No.	Condition
T-23	<p>General Condition: Startups and Shutdowns</p> <p>(a) Startups and shutdowns are part of normal source operation. Emissions limitations applicable to normal operation apply during startups and shutdowns except as follows: (i) when sudden, unavoidable breakdowns occur during a startup or shutdown, the event may be classified as an upset subject to the requirements above; (ii) when a startup or shutdown is infrequent, the duration of excess emissions is brief in each event, and the design of the source is such that the period of excess emissions cannot be avoided without causing damage to equipment or persons; or (iii) when the emissions standards applicable during a startup or shutdown are defined by other requirements of Applicable Rules and Regulations or any applicable permit.</p> <p>(b) In any enforcement proceeding, the permittee seeking to establish the applicability of any exception during a startup or shutdown has the burden of proof.</p> <p>(c) In the event this startup and shutdown provision conflicts with another applicable requirement, the more stringent requirement shall apply. [11 Miss. Admin.Code Pt. 2, R.1.10.]</p>
T-24	<p>General Condition: Maintenance</p> <p>(a) Maintenance should be performed during planned shutdown or repair of process equipment such that excess emissions are avoided. Unavoidable maintenance that results in brief periods of excess emissions and that is necessary to prevent or minimize emergency conditions or equipment malfunctions constitutes an affirmative defense to an enforcement action brought for noncompliance with emission standards, or other regulatory requirements if the permittee can demonstrate the following: (i) the permittee can identify the need for the maintenance; (ii) the source was at the time being properly operated; (iii) during the maintenance the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements of Applicable Rules and Regulations or any applicable permit; (iv) the permittee submitted notice of the maintenance to MDEQ within five (5) working days of the time the maintenance began or such other times as allowed by MDEQ, which contained a description of the maintenance, any steps taken to mitigate emissions, and corrective actions taken.</p> <p>(b) In any enforcement proceeding, the permittee seeking to establish the applicability of this section has the burden of proof.</p> <p>(c) In the event this maintenance provision conflicts with another applicable requirement, the more stringent requirement shall apply. [11 Miss. Admin.Code Pt. 2, R.1.10.]</p>
T-25	<p>General Condition: For renewal of this permit the applicant shall make application not less than one-hundred eighty (180) days prior to the expiration date of the permit substantiated with current emissions data, test results or reports or other data as deemed necessary by the Mississippi Environmental Quality Permit Board. [11 Miss. Admin.Code Pt. 2, R.2.8.]</p>

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### EQPT0000000001 (AA-001) 68.25 MMBTU/hr Diesel Fuel Fired Division 1 Standby Emergency Generator Engine (No. 1 Engine):

#### Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Particulate Matter	<p>Particulate Matter: The permittee shall not have the maximum permissible emission of ash and/or particulate matter shall not exceed an emission rate as determined by the relationship:</p> $E = 0.8808 * I^{-0.1667}$ <p>where E is the emission rate in pounds per million BTU per hour heat input and I is the heat input in millions of Btu per hour. [11 Miss. Admin. Code Pt. 2, Ch. 1. 1.1.3D.1(b)]</p>
L-2	Opacity	<p>Opacity: The permittee shall not have emissions of opacity greater than or equal to 40% as determined by EPA Reference Method 9, 40 CFR 60, Appendix A. [11 Miss. Admin. Code Pt. 2, Ch. 1. 3.1.a]</p>
L-3	Sulfur Dioxide	<p>Sulfur Dioxide: The permittee shall not discharge sulfur oxides from any fuel burning installations in which fuel is burned primarily to produce heat of power by indirect heat transfer in excess of 4.8 lb/MMBTU (measured as sulfur dioxide) heat input. [11 Miss. Admin. Code Pt. 2, Ch. 1. 4.1.a]</p>
L-4		<p>The permittee shall limit the operation of the unit to no more than 250 hours per any rolling 365 day period. [11 Miss. Admin. Code Pt. 2, Ch. 2. II.B(10)]</p>
L-5		<p>The permittee is subject to the National Emission Standards for Hazardous Air Pollutants from Reciprocating Internal Combustion Engines, 40 CFR 63, Subpart ZZZZ. Except during periods of startups, the permittee shall comply with the follow requirements no later than May 3, 2013:</p> <ol style="list-style-type: none"><li>1) Change oil and filter every 500 hours of operation or annually, whichever comes first or use oil change analysis program to extend oil change frequencies per 40 CFR 63.6625(i);</li><li>2) Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first;</li><li>3) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary. [40 CFR 63.6603(a)]</li></ol>
L-6		<p>The permittee shall install a non-resettable hour meter installed prior to startup of the engine. The permittee shall minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply. [40 CFR 63.6603(a)]</p>

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### EQPT0000000001 (continued):

#### Limitation Requirements:

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Condition No.	Parameter	Condition
L-7		The permittee may use the engine for up to 100 hours per calendar year for any combination of the following purposes: 1) Maintenance checks and readiness testing 2) Emergency demand response when an Energy Emergency Alert Level 2 has been declared by the Reliability Coordinator 3) Periods where the voltage or frequency deviates by 5 percent or more below standard. [40 CFR 63.6640]
L-8		Beginning January 1, 2015, for engines meeting the below three (3) criteria, the permittee shall use ultra low sulfur diesel fuel as defined in 40 CFR 80.510(b) (if the engine uses diesel fuel; existing diesel fuel obtained prior to January 1, 2015, may be used until depleted):  1) Larger than 100 HP with a displacement less than 30 liters per cylinder, and either 2) Operated or contractually obligated to be available greater than 15 hours per year (up to the maximum of 100 hours per year) for emergency demand response or voltage/frequency deviation, or 3) Operated for local reliability (up to the maximum of 50 hours per year). [40 CFR 63.6640]

#### Monitoring Requirements:

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Condition No.	Parameter	Condition
M-1		The permittee shall comply with the following work and management practices: 1) Operating and maintaining the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or 2) Develop and follow your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. [40 CFR 63.6603(a)]

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**EQPT0000000001 (continued):**

**Record-Keeping Requirements:**

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Condition No.	Condition
R-1	The permittee shall perform the following recordkeeping: 1) The permittee shall record the total hours of operation on a daily basis. 2) The permit shall record the reason the generator was in operation during that time. 3) Daily records shall be kept in log form at the facility for a period of at least five (5) years and must be made available for review upon request during any inspection visit by Office of Pollution Control personnel. [11 Miss. Admin. Code Pt. 2, Ch. 2. II.B(11), 40 CFR 63.6655]

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### EQPT000000002 (AB-001) 68.31 MMBTU/hr Diesel Fuel Fired Division 2 Standby Emergency Generator Engine (No. 2 Engine):

#### Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Particulate Matter	<p>Particulate Matter: The permittee shall not have the maximum permissible emission of ash and/or particulate matter shall not exceed an emission rate as determined by the relationship:</p> $E = 0.8808 * I^{-0.1667}$ <p>where E is the emission rate in pounds per million BTU per hour heat input and I is the heat input in millions of Btu per hour. [11 Miss. Admin. Code Pt. 2, Ch. 1. 1.3D.1(b)]</p>
L-2	Opacity	<p>Opacity: The permittee shall not have emissions of opacity greater than or equal to 40 % as determined by EPA Reference Method 9, 40 CFR 60, Appendix A. [11 Miss. Admin. Code Pt. 2, Ch. 1. 3.1.a]</p>
L-3	Sulfur Dioxide	<p>Sulfur Dioxide: The permittee shall not discharge sulfur oxides from any fuel burning installations in which fuel is burned primarily to produce heat of power by indirect heat transfer in excess of 4.8 lb/MMBTU (measured as sulfur dioxide) heat input. [11 Miss. Admin. Code Pt. 2, Ch. 1. 4.1.a]</p>
L-4		<p>The permittee shall limit the operation of the unit to no more than 250 hours per any rolling 365 day period. [11 Miss. Admin. Code Pt. 2, Ch. 2. II.B(10)]</p>
L-5		<p>The permittee is subject to the National Emission Standards for Hazardous Air Pollutants from Reciprocating Internal Combustion Engines, 40 CFR 63, Subpart ZZZZ. Except during periods of startups, the permittee shall comply with the following requirements no later than May 3, 2013:</p> <ol style="list-style-type: none"><li>1) Change oil and filter every 500 hours of operation or annually, whichever comes first or use oil change analysis program to extend oil change frequencies per 40 CFR 63.6625(i);</li><li>2) Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first;</li><li>3) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary. [40 CFR 63.6603(a)]</li></ol>
L-6		<p>The permittee shall install a non-resettable hour meter installed prior to startup of the engine. The permittee shall minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply. [40 CFR 63.6603(a)]</p>

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### EQPT0000000002 (continued):

#### Limitation Requirements:

Condition No.	Parameter	Condition
L-7		The permittee may use the engine for up to 100 hours per calendar year for any combination of the following purposes: 1) Maintenance checks and readiness testing 2) Emergency demand response when an Energy Emergency Alert Level 2 has been declared by the Reliability Coordinator 3) Periods where the voltage or frequency deviates by 5 percent or more below standard. [40 CFR 63.6640]
L-8		Beginning January 1, 2015, for engines meeting the below three (3) criteria, the permittee shall use ultra low sulfur diesel fuel as defined in 40 CFR 80.510(b) (if the engine uses diesel fuel; existing diesel fuel obtained prior to January 1, 2015, may be used until depleted):  1) Larger than 100 HP with a displacement less than 30 liters per cylinder, and either 2) Operated or contractually obligated to be available greater than 15 hours per year (up to the maximum of 100 hours per year) for emergency demand response or voltage/frequency deviation, or 3) Operated for local reliability (up to the maximum of 50 hours per year). [40 CFR 63.6640]

#### Monitoring Requirements:

Condition No.	Parameter	Condition
M-1		The permittee shall comply with the following work and management practices: 1) Operating and maintaining the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or 2) Develop and follow your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. [40 CFR 63.6603 (a)]



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**EQPT0000000002 (continued):**

**Record-Keeping Requirements:**

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Condition No.	Condition
R-1	The permittee shall perform the following recordkeeping: 1) The permittee shall record the total hours of operation on a daily basis. 2) The permit shall record the reason the generator was in operation during that time. 3) Daily records shall be kept in log form at the facility for a period of at least five (5) years and must be made available for review upon request during any inspection visit by Office of Pollution Control personnel. [11 Miss. Admin. Code Pt. 2, Ch. 2. II.B(11), 40 CFR 63.6655]

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### EQPT0000000003 (AC-001) 10.68 MMBTU/hr Diesel Fuel Fired Division 3 Standby Emergency Generator Engine (No. 3 Engine):

#### Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Particulate Matter	<p>Particulate Matter: The permittee shall not have the maximum permissible emission of ash and/or particulate matter shall not exceed an emission rate as determined by the relationship:</p> $E = 0.8808 * I^{-0.1667}$ <p>where E is the emission rate in pounds per million BTU per hour heat input and I is the heat input in millions of Btu per hour. [11 Miss. Admin. Code Pt. 2, Ch. 1. 1.3.D(1)b]</p>
L-2	Opacity	<p>Opacity: The permittee shall not have emissions of opacity greater than or equal to 40% as determined by EPA Reference Method 9, 40 CFR 60, Appendix A. [11 Miss. Admin. Code Pt. 2, Ch. 1. 3.1.a]</p>
L-3	Sulfur Dioxide	<p>Sulfur Dioxide: The permittee shall not discharge sulfur oxides from any fuel burning installations in which fuel is burned primarily to produce heat of power by indirect heat transfer in excess of 4.8 lb/MMBTU (measured as sulfur dioxide) heat input. [11 Miss. Admin. Code Pt. 2, Ch. 1. 4.1.a]</p>
L-4		<p>The permittee shall limit the operation of the unit to no more than 250 hours per any rolling 365 day period. [11 Miss. Admin. Code Pt. 2, Ch. 2. II.B(10)]</p>
L-5		<p>The permittee is subject to the National Emission Standards for Hazardous Air Pollutants from Reciprocating Internal Combustion Engines, 40 CFR 63, Subpart ZZZZ. Except during periods of startups, the permittee shall comply with the following requirements no later than May 3, 2013:</p> <ol style="list-style-type: none"><li>1) Change oil and filter every 500 hours of operation or annually, whichever comes first or use oil change analysis program to extend oil change frequencies per 40 CFR 63.6625(i);</li><li>2) Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first;</li><li>3) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary. [40 CFR 63.6603(a)]</li></ol>
L-6		<p>The permittee shall install a non-resettable hour meter installed prior to startup of the engine. The permittee shall minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply. [40 CFR 63.6603(a)]</p>

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### EQPT0000000003 (continued):

#### Limitation Requirements:

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Condition No.	Parameter	Condition
L-7		The permittee may use the engine for up to 100 hours per calendar year for any combination of the following purposes: 1) Maintenance checks and readiness testing 2) Emergency demand response when an Energy Emergency Alert Level 2 has been declared by the Reliability Coordinator 3) Periods where the voltage or frequency deviates by 5 percent or more below standard. [40 CFR 63.6640]
L-8		Beginning January 1, 2015, for engines meeting the below three (3) criteria, the permittee shall use ultra low sulfur diesel fuel as defined in 40 CFR 80.510(b) (if the engine uses diesel fuel; existing diesel fuel obtained prior to January 1, 2015, may be used until depleted):  1) Larger than 100 HP with a displacement less than 30 liters per cylinder, and either 2) Operated or contractually obligated to be available greater than 15 hours per year (up to the maximum of 100 hours per year) for emergency demand response or voltage/frequency deviation, or 3) Operated for local reliability (up to the maximum of 50 hours per year). [40 CFR 63.6640]

#### Monitoring Requirements:

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Condition No.	Parameter	Condition
M-1		The permittee shall comply with the following work and management practices: 1) Operating and maintaining the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or 2) Develop and follow your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. [40 CFR 63.6603 (a)]

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**EQPT0000000003 (continued):**

**Record-Keeping Requirements:**

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Condition No.	Condition
R-1	The permittee shall perform the following recordkeeping: 1) The permittee shall record the total hours of operation on a daily basis. 2) The permit shall record the reason the generator was in operation during that time. 3) Daily records shall be kept in log form at the facility for a period of at least five (5) years and must be made available for review upon request during any inspection visit by Office of Pollution Control personnel. [11 Miss. Admin. Code Pt. 2, Ch. 2. II.B(11), 40 CFR 63.6655]

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### EQPT0000000004 (AA-002) 1.53 MMBTU/hr Diesel Fuel Fired Fire Water Pump Engine (No. 5 (A) Engine):

#### Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Particulate Matter	Particulate Matter: The permittee shall not have particulate emissions from fossil fuel burning installations of less than 10 MMBTU/hr heat input that exceeds 0.6 lb/MMBTU. [11 Miss. Admin. Code Pt. 2, Ch. 1. 1.3.D.1(a)]
L-2	Opacity	Opacity: The permittee shall not have emissions of opacity greater than or equal to 40 % as determined by EPA Reference Method 9, 40 CFR 60, Appendix A. [11 Miss. Admin. Code Pt. 2, Ch. 1. 3.1.a]
L-3	Sulfur Dioxide	Sulfur Dioxide: The permittee shall not discharge sulfur oxides from any fuel burning installations in which fuel is burned primarily to produce heat of power by indirect heat transfer in excess of 4.8 lb/MMBTU (measured as sulfur dioxide) heat input. [11 Miss. Admin. Code Pt. 2, Ch. 1. 4.1.a]
L-4		The permittee shall limit the operation of the unit to no more than 500 hours per any rolling 365 day period. [11 Miss. Admin. Code Pt. 2, Ch. 2. II.B(10)]
L-5		The permittee is subject to the National Emission Standards for Hazardous Air Pollutants from Reciprocating Internal Combustion Engines, 40 CFR 63, Subpart ZZZZ. Except during periods of startups, the permittee shall comply with the follow requirements no later than May 3, 2013: 1) Change oil and filter every 500 hours of operation or annually, whichever comes first or use oil change analysis program to extend oil change frequencies per 40 CFR 63.6625(i); 2) Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first; 3) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary. [40 CFR 63.6603(a)]
L-6		The permittee shall install a non-resettable hour meter installed prior to startup of the engine. The permittee shall minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply. [40 CFR 63.6603(a)]
L-7		The permittee may use the engine for up to 100 hours per calendar year for any combination of the following purposes: 1) Maintenance checks and readiness testing 2) Emergency demand response when an Energy Emergency Alert Level 2 has been declared by the Reliability Coordinator 3) Periods where the voltage or frequency deviates by 5 percent or more below standard. [40 CFR 63.6640]

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### EQPT0000000004 (continued):

#### Limitation Requirements:

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Condition No.	Parameter	Condition
L-8		<p>Beginning January 1, 2015, for engines meeting the below three (3) criteria, the permittee shall use ultra low sulfur diesel fuel as defined in 40 CFR 80.510(b) (if the engine uses diesel fuel; existing diesel fuel obtained prior to January 1, 2015, may be used until depleted):</p> <ol style="list-style-type: none"><li>1) Larger than 100 HP with a displacement less than 30 liters per cylinder, and either</li><li>2) Operated or contractually obligated to be available greater than 15 hours per year (up to the maximum of 100 hours per year) for emergency demand response or voltage/frequency deviation, or</li><li>3) Operated for local reliability (up to the maximum of 50 hours per year). [40 CFR 63.6640]</li></ol>

#### Monitoring Requirements:

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Condition No.	Parameter	Condition
M-1		<p>The permittee shall comply with the following work and management practices:</p> <ol style="list-style-type: none"><li>1) Operating and maintaining the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or</li><li>2) Develop and follow your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. [40 CFR 63.6603(a)]</li></ol>

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**EQPT0000000004 (continued):**

**Record-Keeping Requirements:**

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Condition No.	Condition
R-1	The permittee shall perform the following recordkeeping: 1) The permittee shall record the total hours of operation on a daily basis. 2) The permit shall record the reason the generator was in operation during that time. 3) Daily records shall be kept in log form at the facility for a period of at least five (5) years and must be made available for review upon request during any inspection visit by Office of Pollution Control personnel. [11 Miss. Admin. Code Pt. 2, Ch. 2. II.B(11), 40 CFR 63.6655]

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### EQPT0000000005 (AB-002) 1.53 MMBTU/hr Diesel Fuel Fired Fire Water Pump Engine (No. 6 (B) Engine):

#### Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Particulate Matter	Particulate Matter: The permittee shall not have particulate emissions from fossil fuel burning installations of less than 10 MMBTU/hr heat input that exceeds 0.6 lb/MMBTU. [11 Miss. Admin. Code Pt. 2, Ch. 1. 1.3.D.1(a)]
L-2	Opacity	Opacity: The permittee shall not have emissions of opacity greater than or equal to 40% as determined by EPA Reference Method 9, 40 CFR 60, Appendix A. [11 Miss. Admin. Code Pt. 2, Ch. 1. 3.1.a]
L-3	Sulfur Dioxide	Sulfur Dioxide: The permittee shall not discharge sulfur oxides from any fuel burning installations in which fuel is burned primarily to produce heat of power by indirect heat transfer in excess of 4.8 lb/MMBTU (measured as sulfur dioxide) heat input. [11 Miss. Admin. Code Pt. 2, Ch. 1. 4.1.a]
L-4		The permittee shall limit the operation of the unit to no more than 500 hours per any rolling 365 day period. [11 Miss. Admin. Code Pt. 2, Ch. 2. II.B(10)]
L-5		The permittee is subject to the National Emission Standards for Hazardous Air Pollutants from Reciprocating Internal Combustion Engines, 40 CFR 63, Subpart ZZZZ. Except during periods of startups, the permittee shall comply with the follow requirements no later than May 3, 2013: 1) Change oil and filter every 500 hours of operation or annually, whichever comes first or use oil change analysis program to extend oil change frequencies per 40 CFR 63.6625(i); 2) Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first; 3) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary. [40 CFR 63.6603(a)]
L-6		The permittee shall install a non-resettable hour meter installed prior to startup of the engine. The permittee shall minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply. [40 CFR 63.6603(a)]
L-7		The permittee may use the engine for up to 100 hours per calendar year for any combination of the following purposes: 1) Maintenance checks and readiness testing 2) Emergency demand response when an Energy Emergency Alert Level 2 has been declared by the Reliability Coordinator 3) Periods where the voltage or frequency deviates by 5 percent or more below standard. [40 CFR 63.6640]



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### EQPT0000000005 (continued):

#### Limitation Requirements:

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Condition No.	Parameter	Condition
L-8		<p>Beginning January 1, 2015, for engines meeting the below three (3) criteria, the permittee shall use ultra low sulfur diesel fuel as defined in 40 CFR 80.510(b) (if the engine uses diesel fuel; existing diesel fuel obtained prior to January 1, 2015, may be used until depleted):</p> <ol style="list-style-type: none"><li>1) Larger than 100 HP with a displacement less than 30 liters per cylinder, and either</li><li>2) Operated or contractually obligated to be available greater than 15 hours per year (up to the maximum of 100 hours per year) for emergency demand response or voltage/frequency deviation, or</li><li>3) Operated for local reliability (up to the maximum of 50 hours per year). [40 CFR 63.6640]</li></ol>

#### Monitoring Requirements:

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Condition No.	Parameter	Condition
M-1		<p>The permittee shall comply with the following work and management practices:</p> <ol style="list-style-type: none"><li>1) Operating and maintaining the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or</li><li>2) Develop and follow your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. [40 CFR 63.6603(a)]</li></ol>

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**EQPT0000000005 (continued):**

**Record-Keeping Requirements:**

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Condition No.	Condition
R-1	The permittee shall perform the following recordkeeping: 1) The permittee shall record the total hours of operation on a daily basis. 2) The permit shall record the reason the generator was in operation during that time. 3) Daily records shall be kept in log form at the facility for a period of at least five (5) years and must be made available for review upon request during any inspection visit by Office of Pollution Control personnel. [11 Miss. Admin. Code Pt. 2, Ch. 2. II.B(11), 40 CFR 63.6655]

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### EQPT0000000006 (AC-002) 2.21 MMBTU/hr Diesel Fuel Fired ESC Emergency Generator Engine (No. 7 Engine):

#### Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Particulate Matter	Particulate Matter: The permittee shall not have particulate emissions from fossil fuel burning installations of less than 10 MMBTU/hr heat input that exceeds 0.6 lb/MMBTU. [11 Miss. Admin. Code Pt. 2, Ch. 1. 1.3.D.1(a)]
L-2	Opacity	Opacity: The permittee shall not have emissions of opacity greater than or equal to 40% as determined by EPA Reference Method 9, 40 CFR 60, Appendix A. [11 Miss. Admin. Code Pt. 2, Ch. 1. 3.1.a]
L-3	Sulfur Dioxide	Sulfur Dioxide: The permittee shall not discharge sulfur oxides from any fuel burning installations in which fuel is burned primarily to produce heat of power by indirect heat transfer in excess of 4.8 lb/MMBTU (measured as sulfur dioxide) heat input. [11 Miss. Admin. Code Pt. 2, Ch. 1. 4.1.a]
L-4		The permittee shall limit the operation of the unit to no more than 100 hours per any rolling 365 day period. [11 Miss. Admin. Code Pt. 2, Ch. 2. II.B(10)]
L-5		The permittee is subject to the National Emission Standards for Hazardous Air Pollutants from Reciprocating Internal Combustion Engines, 40 CFR 63, Subpart ZZZZ. Except during periods of startups, the permittee shall comply with the follow requirements no later than May 3, 2013: 1) Change oil and filter every 500 hours of operation or annually, whichever comes first or use oil change analysis program to extend oil change frequencies per 40 CFR 63.6625(i); 2) Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first; 3) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary. [40 CFR 63.6603(a)]
L-6		The permittee shall install a non-resettable hour meter installed prior to startup of the engine. The permittee shall minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply. [40 CFR 63.6603(a)]
L-7		The permittee may use the engine for up to 100 hours per calendar year for any combination of the following purposes: 1) Maintenance checks and readiness testing 2) Emergency demand response when an Energy Emergency Alert Level 2 has been declared by the Reliability Coordinator 3) Periods where the voltage or frequency deviates by 5 percent or more below standard. [40 CFR 63.6640]

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### EQPT0000000006 (continued):

#### Limitation Requirements:

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Condition No.	Parameter	Condition
L-8		<p>Beginning January 1, 2015, for engines meeting the below three (3) criteria, the permittee shall use ultra low sulfur diesel fuel as defined in 40 CFR 80.510(b) (if the engine uses diesel fuel; existing diesel fuel obtained prior to January 1, 2015, may be used until depleted):</p> <ol style="list-style-type: none"><li>1) Larger than 100 HP with a displacement less than 30 liters per cylinder, and either</li><li>2) Operated or contractually obligated to be available greater than 15 hours per year (up to the maximum of 100 hours per year) for emergency demand response or voltage/frequency deviation, or</li><li>3) Operated for local reliability (up to the maximum of 50 hours per year). [40 CFR 63.6640]</li></ol>

#### Monitoring Requirements:

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Condition No.	Parameter	Condition
M-1		<p>The permittee shall comply with the following work and management practices:</p> <ol style="list-style-type: none"><li>1) Operating and maintaining the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or</li><li>2) Develop and follow your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. [40 CFR 63.6603 (a)]</li></ol>

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**EQPT0000000006 (continued):**

**Record-Keeping Requirements:**

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Condition No.	Condition
R-1	The permittee shall perform the following recordkeeping: 1) The permittee shall record the total hours of operation on a daily basis. 2) The permit shall record the reason the generator was in operation during that time. 3) Daily records shall be kept in log form at the facility for a period of at least five (5) years and must be made available for review upon request during any inspection visit by Office of Pollution Control personnel. [11 Miss. Admin. Code Pt. 2, Ch. 2. II.B(11), 40 CFR 63.6655]

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### EQPT0000000007 (AA-003) 2.43 MMBTU/hr Diesel Fuel Fired OSC Emergency Generator Engine (No. 9 Engine):

#### Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Particulate Matter	Particulate Matter: The permittee shall not have particulate emissions from fossil fuel burning installations of less than 10 MMBTU/hr heat input that exceeds 0.6 lb/MMBTU. [11 Miss. Admin. Code Pt. 2, Ch. 1. 1.3.D.1(a)]
L-2	Opacity	Opacity: The permittee shall not have emissions of opacity greater than or equal to 40% as determined by EPA Reference Method 9, 40 CFR 60, Appendix A. [11 Miss. Admin. Code Pt. 2, Ch. 1. 3.1.a]
L-3	Sulfur Dioxide	Sulfur Dioxide: The permittee shall not discharge sulfur oxides from any fuel burning installations in which fuel is burned primarily to produce heat of power by indirect heat transfer in excess of 4.8 lb/MMBTU (measured as sulfur dioxide) heat input. [11 Miss. Admin. Code Pt. 2, Ch. 1. 4.1.a]
L-4		The permittee shall limit the operation of the unit to no more than 500 hours per any rolling 365 day period. [11 Miss. Admin. Code Pt. 2, Ch. 2. II.B(10)]
L-5		The permittee is subject to the National Emission Standards for Hazardous Air Pollutants from Reciprocating Internal Combustion Engines, 40 CFR 63, Subpart ZZZZ. Except during periods of startups, the permittee shall comply with the follow requirements no later than May 3, 2013: 1) Change oil and filter every 500 hours of operation or annually, whichever comes first or use oil change analysis program to extend oil change frequencies per 40 CFR 63.6625(i); 2) Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first; 3) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary. [40 CFR 63.6603(a)]
L-6		The permittee shall install a non-resettable hour meter installed prior to startup of the engine. The permittee shall minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply. [40 CFR 63.6603(a)]
L-7		The permittee may use the engine for up to 100 hours per calendar year for any combination of the following purposes: 1) Maintenance checks and readiness testing 2) Emergency demand response when an Energy Emergency Alert Level 2 has been declared by the Reliability Coordinator 3) Periods where the voltage or frequency deviates by 5 percent or more below standard. [40 CFR 63.6640]

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### EQPT0000000007 (continued):

#### Limitation Requirements:

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Condition No.	Parameter	Condition
L-8		<p>Beginning January 1, 2015, for engines meeting the below three (3) criteria, the permittee shall use ultra low sulfur diesel fuel as defined in 40 CFR 80.510(b) (if the engine uses diesel fuel; existing diesel fuel obtained prior to January 1, 2015, may be used until depleted:</p> <ol style="list-style-type: none"><li>1) Larger than 100 HP with a displacement less than 30 liters per cylinder, and either</li><li>2) Operated or contractually obligated to be available greater than 15 hours per year (up to the maximum of 100 hours per year) for emergency demand response or voltage/frequency deviation, or</li><li>3) Operated for local reliability (up to the maximum of 50 hours per year). [40 CFR 63.6640]</li></ol>

#### Monitoring Requirements:

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Condition No.	Parameter	Condition
M-1		<p>The permittee shall comply with the following work and management practices:</p> <ol style="list-style-type: none"><li>1) Operating and maintaining the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or</li><li>2) Develop and follow your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. [40 CFR 63.6603 (a)]</li></ol>

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**EQPT0000000007 (continued):**

**Record-Keeping Requirements:**

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Condition No.	Condition
R-1	The permittee shall perform the following recordkeeping: 1) The permittee shall record the total hours of operation on a daily basis. 2) The permit shall record the reason the generator was in operation during that time. 3) Daily records shall be kept in log form at the facility for a period of at least five (5) years and must be made available for review upon request during any inspection visit by Office of Pollution Control personnel. [11 Miss. Admin. Code Pt. 2, Ch. 2. II.B(11), 40 CFR 63.6655]

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### EQPT0000000008 (AB-003) 0.28 MMBTU/hr Diesel Fuel Fired Division 1 Starting Air Compressor Engine (No. 10):

#### Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Particulate Matter	Particulate Matter: The permittee shall not have particulate emissions from fossil fuel burning installations of less than 10 MMBTU/hr heat input that exceeds 0.6 lb/MMBTU. [11 Miss. Admin. Code Pt. 2, Ch. 1. 1.3.D.1(a)]
L-2	Opacity	Opacity: The permittee shall not have emissions of opacity greater than or equal to 40% as determined by EPA Reference Method 9, 40 CFR 60, Appendix A. [11 Miss. Admin. Code Pt. 2, Ch. 1. 3.1.a]
L-3	Sulfur Dioxide	Sulfur Dioxide: The permittee shall not discharge sulfur oxides from any fuel burning installations in which fuel is burned primarily to produce heat of power by indirect heat transfer in excess of 4.8 lb/MMBTU (measured as sulfur dioxide) heat input. [11 Miss. Admin. Code Pt. 2, Ch. 1. 4.1.a]
L-4		The permittee is subject to the National Emission Standards for Hazardous Air Pollutants from Reciprocating Internal Combustion Engines, 40 CFR 63, Subpart ZZZZ. Except during periods of startups, the permittee shall comply with the follow requirements no later than May 3, 2013: 1) Change oil and filter every 500 hours of operation or annually, whichever comes first or use oil change analysis program to extend oil change frequencies per 40 CFR 63.6625(i); 2) Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first; 3) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary. [40 CFR 63.6603]
L-5		The permittee shall minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply. [40 CFR 63.6603(a)]

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## EQPT0000000008 (continued):

### Monitoring Requirements:

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Condition No.	Parameter	Condition
M-1		The permittee shall comply with the following work and management practices: 1) Operating and maintaining the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or 2) Develop and follow your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. [40 CFR 63.6625]

### Record-Keeping Requirements:

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Condition No.	Condition
R-1	The permittee shall maintain records to show that the work practices standards have been met according to 40 CFR 63.6655(e)(3). [40 CFR 63.6655]

## Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Entergy Mississippi Inc, Grand Gulf Nuclear Station

Facility Requirements

Permit Number:0420-00023

Activity ID No.: PER20080001

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### EQPT0000000009 (AC-003) 0.28 MMBTU/hr Diesel Fuel Fired Division 2 Starting Air Compressor Engine (No. 11):

#### Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Particulate Matter	Particulate Matter: The permittee shall not have particulate emissions from fossil fuel burning installations of less than 10 MMBTU/hr heat input that exceeds 0.6 lb/MMBTU. [11 Miss. Admin. Code Pt. 2, Ch. 1. 1.3.D.1(a)]
L-2	Opacity	Opacity: The permittee shall not have emissions of opacity greater than or equal to 40% as determined by EPA Reference Method 9, 40 CFR 60, Appendix A. [11 Miss. Admin. Code Pt. 2, Ch. 1. 3.1.a]
L-3	Sulfur Dioxide	Sulfur Dioxide: The permittee shall not discharge sulfur oxides from any fuel burning installations in which fuel is burned primarily to produce heat of power by indirect heat transfer in excess of 4.8 lb/MMBTU (measured as sulfur dioxide) heat input. [11 Miss. Admin. Code Pt. 2, Ch. 1. 4.1.a]
L-4		The permittee is subject to the National Emission Standards for Hazardous Air Pollutants from Reciprocating Internal Combustion Engines, 40 CFR 63, Subpart ZZZZ. Except during periods of startups, the permittee shall comply with the follow requirements no later than May 3, 2013: 1) Change oil and filter every 500 hours of operation or annually, whichever comes first or use oil change analysis program to extend oil change frequencies per 40 CFR 63.6625(i); 2) Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first; 3) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary. [40 CFR 63.6603]
L-5		The permittee shall minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply. [40 CFR 63.6603(a)]

# Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Entergy Mississippi Inc, Grand Gulf Nuclear Station

Facility Requirements

Permit Number:0420-00023

Activity ID No.: PER20080001

## EQPT0000000009 (continued):

### Monitoring Requirements:

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Condition No.	Parameter	Condition
M-1		The permittee shall comply with the following work and management practices: 1) Operating and maintaining the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or 2) Develop and follow your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. [40 CFR 63.6625]

### Record-Keeping Requirements:

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Condition No.	Condition
R-1	The permittee shall maintain records to show that the work practices standards have been met according to 40 CFR 63.6655(e)(3). [40 CFR 60.6655]

## Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Entergy Mississippi Inc, Grand Gulf Nuclear Station

Facility Requirements

Permit Number:0420-00023

Activity ID No.: PER20080001

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### EQPT0000000010 (AD-003) 0.04 MMBTU/hr Diesel Fuel Fired Division 3 Starting Air Compressor Engine (No. 12):

#### Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Particulate Matter	Particulate Matter: The permittee shall not have particulate emissions from fossil fuel burning installations of less than 10 MMBTU/hr heat input that exceeds 0.6 lb/MMBTU. [11 Miss. Admin. Code Pt. 2, Ch. 1. 1.3.D.1(a)]
L-2	Opacity	Opacity: The permittee shall not have emissions of opacity greater than or equal to 40% as determined by EPA Reference Method 9, 40 CFR 60, Appendix A. [11 Miss. Admin. Code Pt. 2, Ch. 1. 3.1.a]
L-3	Sulfur Dioxide	Sulfur Dioxide: The permittee shall not discharge sulfur oxides from any fuel burning installations in which fuel is burned primarily to produce heat of power by indirect heat transfer in excess of 4.8 lb/MMBTU (measured as sulfur dioxide) heat input. [11 Miss. Admin. Code Pt. 2, Ch. 1. 4.1.a]
L-4		The permittee is subject to the National Emission Standards for Hazardous Air Pollutants from Reciprocating Internal Combustion Engines, 40 CFR 63, Subpart ZZZZ. Except during periods of startups, the permittee shall comply with the follow requirements no later than May 3, 2013: 1) Change oil and filter every 500 hours of operation or annually, whichever comes first or use oil change analysis program to extend oil change frequencies per 40 CFR 63.6625(i); 2) Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first; 3) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary. [40 CFR 63.6603]
L-5		The permittee shall minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply. [40 CFR 63.6603(a)]

# Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Entergy Mississippi Inc, Grand Gulf Nuclear Station

Facility Requirements

Permit Number:0420-00023

Activity ID No.: PER20080001

## EQPT0000000010 (continued):

### Monitoring Requirements:

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Condition No.	Parameter	Condition
M-1		The permittee shall comply with the following work and management practices: 1) Operating and maintaining the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or 2) Develop and follow your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. [40 CFR 63.6625]

### Record-Keeping Requirements:

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Condition No.	Condition
R-1	The permittee shall maintain records to show that the work practices standards have been met according to 40 CFR 63.6655(e)(3). [40 CFR 63.6655]

## Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Entergy Mississippi Inc, Grand Gulf Nuclear Station

Facility Requirements

Permit Number:0420-00023

Activity ID No.: PER20080001

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### EQPT0000000011 (AE-003) 2.07 MMBTU/hr Diesel Fuel Fired Well Water Engine (No. 15):

#### Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Particulate Matter	Particulate Matter: The permittee shall not have particulate emissions from fossil fuel burning installations of less than 10 MMBTU/hr heat input that exceeds 0.6 lb/MMBTU. [11 Miss. Admin. Code Pt. 2, Ch. 1. 1.3.D.1(a)]
L-2	Opacity	Opacity: The permittee shall not have emissions of opacity greater than or equal to 40% as determined by EPA Reference Method 9, 40 CFR 60, Appendix A. [11 Miss. Admin. Code Pt. 2, Ch. 1. 3.1.a]
L-3	Sulfur Dioxide	Sulfur Dioxide: The permittee shall not discharge sulfur oxides from any fuel burning installations in which fuel is burned primarily to produce heat of power by indirect heat transfer in excess of 4.8 lb/MMBTU (measured as sulfur dioxide) heat input. [11 Miss. Admin. Code Pt. 2, Ch. 1. 4.1.a]
L-4		The permittee shall limit the operation of the unit to no more than 500 hours per any rolling 365 day period. [11 Miss. Admin. Code Pt. 2, Ch. 2. II.B(10)]
L-5		The permittee is subject to the National Emission Standards for Hazardous Air Pollutants from Reciprocating Internal Combustion Engines, 40 CFR 63, Subpart ZZZZ. Except during periods of startups, the permittee shall comply with the follow requirements no later than May 3, 2013: 1) Change oil and filter every 500 hours of operation or annually, whichever comes first or use oil change analysis program to extend oil change frequencies per 40 CFR 63.6625(i); 2) Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first; 3) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary. [40 CFR 63.6603(a)]
L-6		The permittee shall install a non-resettable hour meter installed prior to startup of the engine. The permittee shall minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply. [40 CFR 63.6603(a)]
L-7		The permittee may use the engine for up to 100 hours per calendar year for any combination of the following purposes: 1) Maintenance checks and readiness testing 2) Emergency demand response when an Energy Emergency Alert Level 2 has been declared by the Reliability Coordinator 3) Periods where the voltage or frequency deviates by 5 percent or more below standard. [40 CFR 63.6640]

## Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Entergy Mississippi Inc, Grand Gulf Nuclear Station

Facility Requirements

Permit Number:0420-00023

Activity ID No.: PER20080001

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### EQPT0000000011 (continued):

#### Limitation Requirements:

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Condition No.	Parameter	Condition
L-8		<p>Beginning January 1, 2015, for engines meeting the below three (3) criteria, the permittee shall use ultra low sulfur diesel fuel as defined in 40 CFR 80.510(b) (if the engine uses diesel fuel; existing diesel fuel obtained prior to January 1, 2015, may be used until depleted):</p> <ol style="list-style-type: none"><li>1) Larger than 100 HP with a displacement less than 30 liters per cylinder, and either</li><li>2) Operated or contractually obligated to be available greater than 15 hours per year (up to the maximum of 100 hours per year) for emergency demand response or voltage/frequency deviation, or</li><li>3) Operated for local reliability (up to the maximum of 50 hours per year). [40 CFR 63.6640]</li></ol>

#### Monitoring Requirements:

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Condition No.	Parameter	Condition
M-1		<p>The permittee shall comply with the following work and management practices:</p> <ol style="list-style-type: none"><li>1) Operating and maintaining the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or</li><li>2) Develop and follow your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. [40 CFR 63.6603(a)]</li></ol>



**Permit to Operate Air Emissions Equipment at a Synthetic Minor Source**

Entergy Mississippi Inc, Grand Gulf Nuclear Station

Facility Requirements

Permit Number:0420-00023

Activity ID No.: PER20080001

**EQPT0000000011 (continued):**

**Record-Keeping Requirements:**

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Condition No.	Condition
R-1	The permittee shall perform the following recordkeeping: 1) The permittee shall record the total hours of operation on a daily basis. 2) The permit shall record the reason the generator was in operation during that time. 3) Daily records shall be kept in log form at the facility for a period of at least five (5) years and must be made available for review upon request during any inspection visit by Office of Pollution Control personnel. [11 Miss. Admin. Code Pt. 2, Ch. 2. II.B(11), 40 CFR 63.6655]

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## Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Entergy Mississippi Inc, Grand Gulf Nuclear Station

Facility Requirements

Permit Number:0420-00023

Activity ID No.: PER20080001

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### EQPT0000000013 (AA-011) 0.71 MMBTU/hr Diesel Fuel Fired Telecommunications Emergency Generator :

#### Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Particulate Matter	Particulate Matter: The permittee shall not have particulate emissions from fossil fuel burning installations of less than 10 MMBTU/hr heat input that exceeds 0.6 lb/MMBTU. [11 Miss. Admin. Code Pt. 2, Ch. 1. 1.3.D.1(a)]
L-2	Opacity	Opacity: The permittee shall not have emissions of opacity greater than or equal to 40% as determined by EPA Reference Method 9, 40 CFR 60, Appendix A. [11 Miss. Admin. Code Pt. 2, Ch. 1. 3.1.a]
L-3	Sulfur Dioxide	Sulfur Dioxide: The permittee shall not discharge sulfur oxides from any fuel burning installations in which fuel is burned primarily to produce heat of power by indirect heat transfer in excess of 4.8 lb/MMBTU (measured as sulfur dioxide) heat input. [11 Miss. Admin. Code Pt. 2, Ch. 1. 4.1.a]
L-4		The permittee shall limit the operation of the unit to no more than 500 hours per any rolling 365 day period. [11 Miss. Admin. Code Pt. 2, Ch. 2. II.B(10)]
L-5		The permittee is subject to the National Emission Standards for Hazardous Air Pollutants from Reciprocating Internal Combustion Engines, 40 CFR 63, Subpart ZZZZ. Except during periods of startups, the permittee shall comply with the follow requirements no later than May 3, 2013: 1) Change oil and filter every 500 hours of operation or annually, whichever comes first or use oil change analysis program to extend oil change frequencies per 40 CFR 63.6625(i); 2) Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first; 3) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary. [40 CFR 63.6603(a)]
L-6		The permittee shall install a non-resettable hour meter installed prior to startup of the engine. The permittee shall minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply. [40 CFR 63.6603(a)]
L-7		The permittee may use the engine for up to 100 hours per calendar year for any combination of the following purposes: 1) Maintenance checks and readiness testing 2) Emergency demand response when an Energy Emergency Alert Level 2 has been declared by the Reliability Coordinator 3) Periods where the voltage or frequency deviates by 5 percent or more below standard. [40 CFR 63.6640]

## Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Entergy Mississippi Inc, Grand Gulf Nuclear Station

Facility Requirements

Permit Number:0420-00023

Activity ID No.: PER20080001

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### EQPT0000000013 (continued):

#### Limitation Requirements:

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Condition No.	Parameter	Condition
L-8		<p>Beginning January 1, 2015, for engines meeting the below three (3) criteria, the permittee shall use ultra low sulfur diesel fuel as defined in 40 CFR 80.510(b) (if the engine uses diesel fuel; existing diesel fuel obtained prior to January 1, 2015, may be used until depleted):</p> <ol style="list-style-type: none"><li>1) Larger than 100 HP with a displacement less than 30 liters per cylinder, and either</li><li>2) Operated or contractually obligated to be available greater than 15 hours per year (up to the maximum of 100 hours per year) for emergency demand response or voltage/frequency deviation, or</li><li>3) Operated for local reliability (up to the maximum of 50 hours per year). [40 CFR 63.6640]</li></ol>

#### Monitoring Requirements:

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Condition No.	Parameter	Condition
M-1		<p>The permittee shall comply with the following work and management practices:</p> <ol style="list-style-type: none"><li>1) Operating and maintaining the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or</li><li>2) Develop and follow your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. [40 CFR 63.6603 (a)]</li></ol>

**Permit to Operate Air Emissions Equipment at a Synthetic Minor Source**

Entergy Mississippi Inc, Grand Gulf Nuclear Station

Facility Requirements

Permit Number:0420-00023

Activity ID No.: PER20080001

**EQPT0000000013 (continued):**

**Record-Keeping Requirements:**

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Condition No.	Condition
R-1	The permittee shall perform the following recordkeeping: 1) The permittee shall record the total hours of operation on a daily basis. 2) The permit shall record the reason the generator was in operation during that time. 3) Daily records shall be kept in log form at the facility for a period of at least five (5) years and must be made available for review upon request during any inspection visit by Office of Pollution Control personnel. [11 Miss. Admin. Code Pt. 2, Ch. 2. II.B(11), 40 CFR 63.6655]

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**Permit to Operate Air Emissions Equipment at a Synthetic Minor Source**

Entergy Mississippi Inc, Grand Gulf Nuclear Station

Facility Requirements

Permit Number:0420-00023

Activity ID No.: PER20080001

**EQPT0000000014 (AA-008) Unit 1CWS Cooling Tower with Auxiliary Tower, 34,800 kgal/hr natural draft (Ref. No. 17):**

Narrative Requirements:

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Condition No.	Condition
T-1	Such air emission equipment shall be operated as efficiently as possible to provide the maximum reduction of air contaminants. [11 Miss. Admin. Code Pt. 2, Ch. 2. II.B(10)]

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**Permit to Operate Air Emissions Equipment at a Synthetic Minor Source**

Entergy Mississippi Inc, Grand Gulf Nuclear Station

Facility Requirements

Permit Number:0420-00023

Activity ID No.: PER20080001

**EQPT0000000015 (AA-009) Standby Service Water A Cooling Tower, 780 kgal/hr forced draft (Ref. No. 18):**

Narrative Requirements:

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Condition	Condition
T-1	Such air emission equipment shall be operated as efficiently as possible to provide the maximum reduction of air contaminants. [11 Miss. Admin. Code Pt. 2, Ch. 2. II.B(10)]

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**Permit to Operate Air Emissions Equipment at a Synthetic Minor Source**

Entergy Mississippi Inc, Grand Gulf Nuclear Station

Facility Requirements

Permit Number:0420-00023

Activity ID No.: PER20080001

**EQPT0000000016 (AA-010) Standby Service Water B Cooling Tower, 840 kgal/hr forced draft (Ref. No. 19):**

Narrative Requirements:

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Condition No.	Condition
T-1	Such air emission equipment shall be operated as efficiently as possible to provide the maximum reduction of air contaminants. [11 Miss. Admin. Code Pt. 2, Ch. 2. II.B(10)]

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**Permit to Operate Air Emissions Equipment at a Synthetic Minor Source**

Entergy Mississippi Inc, Grand Gulf Nuclear Station

Facility Requirements

Permit Number:0420-00023

Activity ID No.: PER20080001

**GRPT0000000001 (AT-110 through AT-133) Twenty four (24) Various Above Ground Storage Tanks:**

Narrative Requirements:

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Condition No.	Condition
T-1	Such air emission equipment shall be operated as efficiently as possible to provide the maximum reduction of air contaminants. [11 Miss. Admin. Code Pt. 2, Ch. 2. II.B(10)]

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## GENERAL INFORMATION

Entergy Mississippi Inc, Grand Gulf Nuclear Station  
7003 Bald Hill Road  
Port Gibson, MS  
Claiborne County

### Alternate/Historic Identifiers

ID	Alternate/Historic Name	User Group	Start Date	End Date
2082	Entergy Operations, Inc.	Official Site Name	4/28/1981	
2802100023	Entergy MS, Grand Gulf Nuclear Station	Air-AIRS AFS	10/12/2000	
MSD000644617	Entergy Mississippi, Inc., Grand Gulf Nuclear Station	Hazardous Waste-EPA ID	10/12/2000	
042000023	Entergy Mississippi, Inc., Grand Gulf Nuclear Station	Air-Title V Operating	9/5/1997	9/1/2002
042000023	Entergy Mississippi, Inc., Grand Gulf Nuclear Station	Air-Construction	8/16/1999	
042000018	Entergy Mississippi, Inc., Grand Gulf Nuclear Station	Air-Construction	3/13/1984	3/1/1985
042000018	Entergy Mississippi, Inc., Grand Gulf Nuclear Station	Air-State Operating	4/28/1981	8/28/1981
MSR101071	Entergy Mississippi, Inc., Grand Gulf Nuclear Station	GP-Construction	4/30/1998	10/28/1998
MSR000883	Entergy Mississippi, Inc., Grand Gulf Nuclear Station	GP-Baseline	8/18/1993	7/13/1997
MS0029521	Entergy Mississippi, Inc., Grand Gulf Nuclear Station	Water - NPDES	9/19/1997	9/16/2002
MSR000883	Entergy Mississippi, Inc., Grand Gulf Nuclear Station	GP-Baseline	10/31/2000	2/10/2006
MS0029521	Entergy Mississippi, Inc., Grand Gulf Nuclear Station	Water - NPDES	7/24/2003	6/30/2008
042000023	Entergy Mississippi, Inc., Grand Gulf Nuclear Station	Air-Synthetic Minor Operating	6/1/2004	5/31/2009
MSR000883	Entergy Mississippi, Inc., Grand Gulf Nuclear Station	GP-Baseline	2/10/2006	12/1/2010
2082	Entergy Mississippi Inc, Grand Gulf Nuclear Station	Air-Notification	4/7/2008	
2082 001	Grand Gulf Nuclear, Middle South Energy	GARD	4/21/1981	
2082	Grand Gulf Nuclear Station Temporary Rental Office Buildings for RFO-16	Air-Notification	10/17/2008	
2082	Grand Gulf portable building SIC 4911	Air-Notification	5/27/2009	
2082	Grand Gulf Nuclear Station Warehouse	Air-Notification	7/19/2010	
MSR000883	Entergy Mississippi, Inc., Grand Gulf Nuclear Station	GP-Baseline	12/1/2010	9/28/2015
MSR105946	Entergy Mississippi Inc, Grand Gulf Nuclear Station	GP-Construction	5/13/2011	12/31/2015
MS0029521	Entergy Mississippi Inc, Grand Gulf Nuclear Station	Water - NPDES	9/2/2011	8/31/2016
042000023	Entergy Mississippi Inc, Grand Gulf Nuclear Station	Air-Synthetic Minor Operating	1/6/2014	12/31/2018

## GENERAL INFORMATION

**Basin:** Mississippi River Basin - direct dischargers to N

**Location Description:** PG- Plant Entrance (General). Data collected by Greg Miller on 11/16/2005. Elevation 219 feet. Bald Hill Road entrance is closed must enter plant from Grand Gulf Road.

**Relevant Documents:** National Emission Standards for Hazardous Air Pollutants, Subpart ZZZZ (40 CFR 63)