



State of Mississippi



FEDERALLY ENFORCEABLE AIR POLLUTION CONTROL PERMIT

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

THIS CERTIFIES

Naval Air Station, Meridian
Lizelia Road
Naval Air Station Meridian
Meridian, MS
Lauderdale 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

Mississippi Department of Environmental Quality

Issued/Modified: MAY 01 2015

Expires: APR 30 2020

Permit No. 1460-00060

Agency Interest # 1324

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Naval Air Station, Meridian

Subject Item Inventory

Permit Number:1460-00060

Activity ID No.: PER20130001

Subject Item Inventory:

ID	Designation	Description
AI1324	AA-100	Meridian Naval Air Station Daily Operations
AREA1	AA-101	Facility Wide Jet Engine Testing
AREA2	AA-102	Facility Wide Painting, Cleaning, and Solvent Usage
AREA3	AA-103	Facility Wide Miscellaneous Metal Working Operations including but not limited to welding, grinding, polishing, cutting, and machining
AREA4	AA-104	Facility Wide Miscellaneous Wood Working Operations
AREA5	AA-200	Meridian Naval Air Station Facility Wide Fuel Combustion Equipment
AREA6	AA-201	Emergency Use Natural Gas Fired Internal Combustion Equipment
AREA7	AA-202	Natural Gas Fired External Combustion Equipment
AREA8	AA-203	Emergency Use Diesel Fired Internal Combustion Equipment
AREA9	AA-204	Propane Fired External Combustion Equipment
AREA10	AA-205	Gasoline Fired Internal Combustion Equipment
AREA11	AA-300	Meridian Naval Air Station Facility Wide Fuel Transfer, Loading, and Tank Storage
AREA12	AA-301	Diesel, Gasoline, and Jet Fuel Bulk Fuel Transfer with Loading Rack
AREA13	AA-302	Jet Fuel Storage including but not limited to one (1) 1,075,000 gallon, two (2) 960,000 gallon, two (2) 10,000 gallon, one (1) 5,000, one (1) 2,000 gallon, and (1) 1,000 gallon storage tanks
AREA14	AA-303	Diesel Storage including but not limited to three (3) 10,000 gallon storage tanks
AREA15	AA-304	Gasoline Storage and Dispensing Facilities including but not limited to one (1) 20,000 gallon, two (2) 10,000 gallon, two (2) 8,000 gallon, and one (1) 500 gallon storage tanks

Subject Item Groups:

ID	Description	Components
GRPT1	40 CFR Part 63 Subpart ZZZZ (Emergency Generators modified or constructed prior to June 12, 2006)	AREA6 Emergency Use Natural Gas Fired Internal Combustion Equipment
		AREA8 Emergency Use Diesel Fired Internal Combustion Equipment

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ID	Description	Components
GRPT2	40 CFR Part 60 Subpart JJJJ (Natural Gas Emergency Backup Generators modified or constructed after June 12, 2006)	AREA6 Emergency Use Natural Gas Fired Internal Combustion Equipment
GRPT3	40 CFR Part 60 Subpart IIII (Diesel or JP8 Emergency Backup Generators modified or constructed after June 12, 2006)	AREA8 Emergency Use Diesel Fired Internal Combustion Equipment
GRPT4	40 CFR Part 63 Subpart CCCCCC (Gasoline Dispensing Facilities)	AREA15 Gasoline Storage and Dispensing Facilities including but not limited to one (1) 20,000 gallon, two (2) 10,000 gallon, two (2) 8,000 gallon, and one (1) 500 gallon storage tanks

KEY

ACT = Activity

AREA = Area

CONT = Control Device

IA = Insignificant Activity

MAFO = Animal Feeding Operation

RPNT = Release Point

WDPT = Withdrawal Point

AI = Agency Interest

CAFO = Concentrated Animal Feeding Operation

EQPT = Equipment

IMPD = Impoundment

PCS = PCS

TRMT = Treatment

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AI0000001324 (AA-100) Meridian Naval Air Station Daily Operations:

Limitation Requirements:

Condition No.	Parameter	Condition
L-1		The maximum opacity from any point source or emissions at any time shall not exceed 40% as determined by EPA Test Method 9, 40 CFR 60, Appendix A. [11 Miss. Admin. Code Pt. 2, R. 1.3.8.B.]
L-2		The maximum permissible emission of ash and/or particulate matter from each fossil fuel burning installations of less than 10 million BTU per hour heat input shall not exceed 0.6 pounds per million BTU per hour heat input. [11 Miss. admin. Code Pt. 2, R. 1.3.D(1)(a).]
L-3		The maximum discharge of sulfur oxides from each fuel burning installation in which the fuel is burned primarily to produce heat or power by indirect heat transfer shall not exceed 4.8 pounds (measured as sulfur dioxide) per million BTU heat input. [11 Miss. Admin. Code Pt. 2, R. 1.4.A(1).]
L-4		Facility-Wide Emission Limitations The permittee shall limit volatile organic compound (VOC) emissions to no more than 90.0 tons/year (TPY) as determined for each consecutive 12-month period. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10)]
L-5		Facility-Wide Emission Limitations The permittee shall limit Nitrogen Oxides (NOx) emissions to no more than 90.0 tons/year (TPY) as determined for each consecutive 12-month period. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).]
L-6		Facility-Wide Emission Limitations The permittee shall limit Carbon Monoxide (CO) emissions to no more than 90.0 tons/year (TPY) as determined for each consecutive 12-month period. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10)]

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Monitoring Requirements:

Condition No.	Parameter	Condition
M-1		<p>Monitoring Requirements</p> <p>For the entire facility, the permittee shall determine for each coating, adhesive, solvent or other VOC containing material used:</p> <ul style="list-style-type: none">(a) The quantity used (gallons);(b) The percentage of VOCs by weight;(c) The density (lbs/gal); <p>The permittee may utilize data supplied by the manufacturer, or analysis of VOC content by EPA Test Method 24, 40 CFR 60, Appendix A and/or EPA Test Method 311, 40 CFR 63, Appendix A, and/or an alternate EPA approved test method. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).]</p>
M-2		<p>Monitoring Requirements</p> <p>To demonstrate compliance with the NOx and CO emission limits, the permittee shall determine and monitor for all fuel combustion equipment:</p> <ul style="list-style-type: none">(a) The quantity of fuel used (gallons) or hours of operation in each calendar month;(b) The total CO and NOx emissions (TPY) calculated for each consecutive 12 month period;(c) The rated capacity (KW or MMBtu/Hr) and fuel type of each piece of fuel burning equipment. <p>The permittee may utilize data supplied by the manufacturer. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(11)]</p>

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Record-Keeping Requirements:

Condition No.	Condition
R-1	<p>Recordkeeping Requirements</p> <p>For the entire facility, the permittee shall maintain sufficient records to document:</p> <ul style="list-style-type: none">(a) The identification of each coating, adhesive, solvent or other VOC containing material and the total gallons of each coating, adhesive, solvent or other VOC containing material used on a monthly basis and in each consecutive 12-month period;(b) The VOC content(s) of each coating, adhesive, solvent or other VOC containing material used. A description of the method used to determine the VOC content shall accompany this data;(c) The density of each coating, adhesive, solvent or other VOC containing material used;(d) The total facility wide VOC emission rate in tons/yr for each consecutive 12-month period. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).]
R-2	<p>Recordkeeping Requirements</p> <p>For the entire facility, the permittee shall maintain sufficient records for the natural gas, propane, gasoline, diesel, and JP8 fired combustion equipment to document:</p> <ul style="list-style-type: none">(a) The quantity of fuel used (gallons) or hours of operation in each calendar month;(b) The total CO and NOx emissions (TPY) calculated for each consecutive 12 month period;(c) The rated capacity (KW or MMBtu/Hr) and fuel type of each piece of fuel burning equipment. <p>These records must be kept in log form and made available for review upon request during any inspection visit by the Office of Pollution Control. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(11)]</p>
R-3	<p>Recordkeeping Requirements</p> <p>The permittee shall maintain copies of all records and reports on site for at least five (5) years and shall make them available upon request by Mississippi Department of Environmental Quality (MDEQ) personnel. [11 Miss. Admin. Code Pt. 2, R.2.2.B(10).]</p>

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Submittal/Action Requirements:

Condition No.	Condition
S-1	For the entire facility, the permittee shall submit a monitoring report due annually by the 31st of January for the preceding calendar year. This report shall provide the following: (a) The identification of each coating, adhesive, solvent or other VOC containing material used; (b) The VOC content of each coating, adhesive, solvent, or other VOC containing material used; (c) The total gallons of each coating, adhesive, solvent or other VOC containing material used in each consecutive 12-month period; (d) The total facility wide VOC emission rate for each consecutive 12-month period. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).]
S-2	For the entire facility, the permittee shall submit a monitoring report due annually by the 31st of January for the preceding calendar year. This report shall provide the following: (a) The amount of fuel used or total hours of operation used to determine NOx and CO emissions; (b) The amount of fuel usage or hours of operation on a monthly basis and in each consecutive 12-month period; (c) The total NOx and CO emission rates in tons per month and tons per year for each consecutive 12-month period. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(11)]
S-3	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).]

Narrative Requirements:

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.]
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)]

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Narrative Requirements:

Condition No.	Condition
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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Narrative Requirements:

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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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">(a) routine maintenance, repair, and replacement;(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;(c) use of an alternative fuel by reason of an order or rule under Section 125 of the Federal Act;(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;(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(f) any change in ownership of the stationary source" [11 Miss. Admin.Code Pt. 2, R. 2.1.D(2).]
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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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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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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GRPT0000000001 40 CFR Part 63 Subpart ZZZZ (Emergency Generators modified or constructed prior to June 12, 2006):

Narrative Requirements:

Condition No.	Condition
T-1	<p>40 CFR Part 63 Subpart ZZZZ (Existing Emergency Backup Generators)</p> <p>The permittee has been found subject to 40 CFR Part 63 Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines. Subpart ZZZZ establishes national emission limitations and operating limitations for hazardous air pollutants (HAP) emitted from stationary reciprocating internal combustion engines (RICE) located at an area source of HAP emissions. This subpart also establishes requirements to demonstrate initial and continuous compliance with the emission limitations and operating limitations. [40 CFR 63.6580]</p>
T-2	<p>40 CFR Part 63 Subpart ZZZZ (Existing Emergency Backup Generators) - COMPLIANCE REQUIREMENTS</p> <p>(a) For an emergency stationary CI RICE the permittee shall:</p> <ol style="list-style-type: none">(1) change oil and filter every 500 hours of operation or annually, whichever comes first,(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. <p>(b) The permittee shall operate and maintain the emergency stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop their 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</p> <p>(c) The permittee shall install a non-resettable hour meter if one is not already installed</p> <p>(d) The permittee shall minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the emission standards applicable to all times other than startup in Tables 1a, 2a, 2c, and 2d to the subpart apply. [40 CFR 63.6625(e)-(h)]</p>

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Condition No.	Condition
T-3	<p>40 CFR Part 63 Subpart ZZZZ (Existing Emergency Backup Generators) - OPERATION RESTRICTIONS</p> <p>The permittee shall operate the emergency stationary RICE in accordance with the following requirements:</p> <p>(a) There is no time limit on the use of the emergency stationary RICE in emergency situations</p> <p>(b) The emergency stationary RICE may be operated for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State, or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hours per year. The permittee may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the permittee maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency RICE beyond 100 hours per year.</p> <p>(c) The emergency stationary RICE may be operated up to 50 hours per year in non-emergency situations, but those 50 hours are counted towards the 100 hours per year provided for maintenance and testing. The 50 hours per year for non-emergency situations cannot be used for peak shaving or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity; except that owners and operators may operate the emergency engine for a maximum of 15 hours per year as part of a demand response program if the regional transmission organization or equivalent balancing authority and transmission operator has determined there are emergency conditions that could lead to a potential electrical blackout, such as unusually low frequency, equipment overload, capacity or energy deficiency, or unacceptable voltage level. The engine may not be operated for more than 30 minutes prior to the time when the emergency condition is expected to occur, and the engine operation must be terminated immediately after the facility is notified that the emergency condition is no longer imminent. The 15 hours per year of demand response operation are counted as part of the 50 hours of operation per year provided for non-emergency situations. The supply of emergency power to another entity or entities pursuant to financial arrangement is not limited by the conditions of this requirement, as long as the power provided by the financial arrangement is limited to emergency power.</p> <p>Any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as described in the conditions of this requirement, is prohibited. If the engine is not operated according to conditions (a)-(c) in this requirement, the engine will not be considered an emergency engine under the subpart and will need to meet all requirements for non-emergency engines. [40 CFR 63.6640(f)]</p>

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Condition No.	Condition
T-4	<p>40 CFR Part 63 Subpart ZZZZ (Existing Emergency Backup Generators) - MONITORING REQUIREMENTS</p> <p>For compliance with emission and operating limits, the permittee shall monitor and collect data according to the following:</p> <p>(a) Except for monitor malfunctions, associated repairs, required performance evaluations, and required quality assurance or control activities, the permittee shall monitor continuously at all times that the stationary RICE is operating. 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.</p> <p>(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 must, however, use all the valid data collected during all other periods. [40 CFR 63.6635]</p>

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Condition No.	Condition
T-5	<p>40 CFR Part 63 Subpart ZZZZ (Existing Emergency Backup Generators) - RECORDKEEPING REQUIREMENTS</p> <p>(a) The permittee shall keep the following records:</p> <p>(1) A copy of each notification and report that you submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status that you submitted, according to the requirement in 40 CFR 63.10(b)(2)(xiv)</p> <p>(2) Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment</p> <p>(3) Records of performance tests and performance evaluations as required in 40 CFR 63.10(b)(2)(viii)</p> <p>(4) Records of all required maintenance performed on the air pollution control and monitoring equipment</p> <p>(5) Records of actions taken during periods of malfunction to minimize emissions in accordance with 40 CFR 63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation</p> <p>(b) The permittee shall operate and maintain the emergency stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or develop and follow their own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in manner consistent with good air pollution control practice for minimizing emissions</p> <p>(c) The permittee shall keep records of the maintenance conducted on the emergency stationary RICE in order to demonstrate that the permittee operated and maintained the stationary RICE and after-treatment control device (if any) according to your the permittee's maintenance plan</p> <p>(d) The permittee shall keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The permittee shall document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engines are used for demand response operation, the permittee shall keep records of the notification of the emergency situation, and the time the engine was operated as part of demand response. [40 CFR 63.6655(a)-(f)]</p>

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GRPT0000000001 (continued):

Narrative Requirements:

Condition No.	Condition
T-6	<p>40 CFR Part 63 Subpart ZZZZ (Existing Emergency Backup Generators) - REPORTING REQUIREMENTS</p> <p>(a) The permittee shall report each instance in which the operating limit in Table 2d of the subpart was not met. These instances are deviations from the emission and operating limitations of the subpart. These deviations must be reported according to the requirements in 40 CFR 63.6550</p> <p>(b) The permittee shall submit an annual compliance report covering the annual reporting period from January 1 through December 31. The first compliance report shall be postmarked or delivered no later than January 31 following the end of the first calendar year after the compliance date, and each subsequent report shall be postmarked or delivered no later than January 31.</p> <p>(c) The Compliance report shall contain the following information:</p> <ol style="list-style-type: none">(1) Company name and address.(2) Statement by a responsible official, with that official's name, title, and signature, certifying the accuracy of the content of the report.(3) Date of report and beginning and ending dates of the reporting period.(4) If you had a malfunction during the reporting period, the compliance report must include the number, duration, and a brief description for each type of malfunction which occurred during the reporting period and which caused or may have caused any applicable emission limitation to be exceeded. The report must also include a description of actions taken by the permittee during a malfunction of an affected source to minimize emissions in accordance with 40 CFR 63.6605(b), including actions taken to correct a malfunction.(5) The total operating time of the stationary RICE at which the deviation occurred during the reporting period.(6) Information on the number, duration, and cause of deviations (including unknown cause, if applicable), as applicable, and the corrective action taken. [40 CFR 63.6640(a)-(c)]

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GRPT0000000002 40 CFR Part 60 Subpart JJJJ (Natural Gas Emergency Backup Generators modified or constructed after June 12, 2006):

Narrative Requirements:

Condition No.	Condition
T-1	<p>40 CFR Part 60 Subpart JJJJ (New Natural Gas Engines)</p> <p>The permittee has been found subject to 40 CFR Part 60 Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines. The provisions of this subpart are applicable to operators of stationary spark ignition (SI) internal combustion engines (ICE) that commence construction after June 12, 2006. For the purposes of this subpart, the date that construction commences is the date the engine is ordered by the owner or operator. [40 CFR 60.4230]</p>
T-2	<p>40 CFR Part 60 Subpart JJJJ (New Natural Gas Engines) - EMISSION STANDARDS</p> <p>(1) Owners and operators of stationary, natural gas powered SI ICE with a maximum engine power less than or equal to 19 KW (25 HP) manufactured on or after July 1, 2008, must comply with the emission standards following:</p> <p>(i) For engines with a displacement below 225 cc, the engines must meet the emissions standards following:</p> <p>(A) Manufactured July 1, 2008 to December 31, 2011: the requirements for nonhandheld engines under 40 CFR Part 90.</p> <p>(B) Manufactured after January 1, 2012: the requirements for nonhandheld engines under 40 CFR Part 1054.</p> <p>(ii) For engines with a displacement at or above 225 cc, the engines must meet the emissions standards following:</p> <p>(A) Manufactured July 1, 2008 to December 31, 2010: the requirements for nonhandheld engines under 40 CFR Part 90.</p> <p>(B) Manufactured after January 1, 2011: the requirements for nonhandheld engines under 40 CFR Part 1054.</p> <p>(2) Owners and operators of stationary, natural gas powered SI ICE with a maximum engine power greater than 25 HP must comply with the emission standards referenced from Table 1 of 40 CFR Part 60 Subpart JJJJ:</p> <p>(i) For emergency engines greater than 25 HP and less than 130 HP:</p> <p>(A) NOx emissions not to exceed 10 g/HP-hr</p> <p>(B) CO emissions not to exceed 4.0 g/HP-hr</p> <p>(II) For emergency engines greater than 130 HP</p> <p>(A) NOx emissions not to exceed 2.0 g/HP-hr</p> <p>(B) CO emissions not to exceed 4.0 g/HP-hr</p> <p>(C) VOC emissions not to exceed 1.0 g/HP-hr (not to include formaldehyde)</p> <p>(3) Owners and operators of stationary SI ICE with a maximum engine power greater than 19 KW (25 HP) that use gasoline or rich burn engines must comply with the emission standards in 40 CFR 60.4231(b) and (c). [40 CFR 60.4233]</p>

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GRPT0000000002 (continued):

Narrative Requirements:

Condition No.	Condition
T-3	<p>40 CFR Part 60 Subpart JJJJ (New Natural Gas Engines) - COMPLIANCE REQUIREMENTS</p> <p>(1) If you are an owner or operator of an emergency stationary SI internal combustion engine you must install a non-resettable hour meter upon startup.</p> <p>(2) If you are an owner or operator of a stationary SI internal combustion engine with a maximum power less than or equal to 19 KW (25 HP), you must meet the requirements of 40 CFR 60.4243 (a).</p> <p>(3) If you are an owner or operator of a stationary SI internal combustion engine and must comply with the emission standards for stationary, natural gas powered SI ICE from Condition T-2 (2) of this rule (referenced from Table 1 of 40 CFR Part 60 Subpart JJJJ), you must demonstrate compliance according to the methods specified in paragraphs following:</p> <p>(i) For ICE greater than 25 HP and less than or equal to 500 HP, owner/operators must keep a maintenance plan and records of conducted maintenance and must maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, you must conduct an initial performance test to demonstrate compliance.</p> <p>(ii) For ICE greater than 500 HP, you must keep a maintenance plan and records of conducted maintenance and must maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, you must conduct an initial performance test and conduct subsequent performance testing every 8,760 hours or 3 years, whichever comes first.</p> <p>(4) If you must comply with the emission standards specified for gasoline or rich burn engines that use LPG and are an owner/operator of an ICE with maximum engine power greater than or equal to 500 HP that is manufactured after July 1, 2007 and before July 1, 2008, you must comply with by one of the methods specified in 40 CFR 60.4243 (h).</p> <p>(5) Emergency stationary ICE may be operated for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Checks and testing of such units is limited to 100 hours per year. There is no time limit on use in emergency situations. Emergency stationary ICE may operate up to 50 hours per year in non-emergency situations, but those 50 hours are counted towards the 100 hours per year provided for maintenance and testing. The 50 hours per year for non-emergency situations cannot be used to generate income or otherwise supply power as part of a financial arrangement with another entity.</p> <p>(6) Owners and operators of stationary SI natural gas fired engines may operate their engines using propane for a maximum of 100 hours per year as an alternative fuel solely during emergency operations, but must keep records of such use. [40 CFR 60.4237, 40 CFR 60.4243]</p>

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Condition No.	Condition
T-4	<p>40 CFR Part 60 Subpart JJJJ (New Natural Gas Engines) - TEST METHODS AND MONITORING REQUIREMENTS:</p> <p>Owners and operators of stationary SI ICE who conduct initial performance tests for ICE greater than 25 HP and less than 500 HP or conduct initial and regularly scheduled performance tests for ICE greater than 500 HP, you must follow the procedures in paragraphs (a) through (f) of this section.</p> <p>(a) Each performance test must be conducted within 10 percent of 100 percent peak (or the highest achievable) load and according to the requirements in 40 CFR Part60.8 and under the specific conditions that are specified by Table 2 of 40 CFR Part 60 Subpart JJJJ.</p> <p>(b) You may not conduct performance tests during periods of startup, shutdown, or malfunction, as specified in 40 CFR Part 60.8(c). If your stationary SI internal combustion engine is non-operational, you do not need to startup the engine solely to conduct a performance test; however, you must conduct the performance test immediately upon startup of the engine.</p> <p>(c) You must conduct three separate test runs for each performance test required in this section, as specified in 40 CFR Part60.8(f). Each test run must be conducted within 10 percent of 100 percent peak (or the highest achievable) load and last at least 1 hour.</p> <p>(d) To determine compliance with the NOx mass per unit output emission limitation, convert the concentration of NOx in the engine exhaust using Equation 1 of 40 CFR 60.4244 (d).</p> <p>(e) To determine compliance with the CO mass per unit output emission limitation, convert the concentration of CO in the engine exhaust using Equation 2 of 40 CFR 60.4244 (e).</p> <p>(f) For purposes of this subpart, when calculating emissions of VOC, emissions of formaldehyde should not be included. To determine compliance with the VOC mass per unit output emission limitation, convert the concentration of VOC in the engine exhaust using Equation 3 of 40 CFR 60.4244 (f).</p> <p>(g) If the owner/operator chooses to measure VOC emissions using either Method 18 of 40 CFR Part, appendix A, or Method 320 of 40 CFR part 63, appendix A, then it has the option of correcting the measured VOC emissions to account for the potential differences in measured values between these methods and Method 25A. The results from Method 18 and Method 320 can be corrected for response factor differences using Equations 4 and 5 of 40 CFR 60.4244 (g). The corrected VOC concentration can then be placed on a propane basis using Equation 6 of 40 CFR 60.4244 (g). [40 CFR 60.4244]</p>

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Narrative Requirements:

Condition No.	Condition
T-5	<p>40 CFR Part 60 Subpart JJJJ (New Natural Gas Engines) - RECORDKEEPING AND REPORTING REQUIREMENTS:</p> <p>(1) Owners and operators of all stationary SI ICE must keep records of the information in the paragraphs following and submit them with the annual report per the requirements of this permit:</p> <p>(A) All notifications of compliance with this subpart and all supporting documentation.</p> <p>(B) Maintenance conducted on the engine.</p> <p>(C) Documentation that the engine meets the emission standards.</p> <p>(D) The hours of operation of the engine that is recorded through the non-resettable hour meter.</p> <p>(2) The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation.</p> <p>(3) Owners and operators of stationary SI ICE that must submit an initial notification, must include the information in paragraphs following:</p> <p>(A) Name and address of the owner or operator</p> <p>(B) The address of the affected source</p> <p>(C) Engine information including make, model, engine family, serial number, model year, maximum engine power, and engine displacement</p> <p>(D) Emission control equipment</p> <p>(E) Fuel used.</p> <p>(4) Owners and operators of stationary SI ICE that are subject to performance testing must submit a copy of each performance test within 60 days after the test has been completed. [40 CFR 60.4245]</p>
T-6	<p>For Emission Point 201 all monitoring, recordkeeping and reporting are subject to requirements found in 40 CFR 60.4230. [11 Miss. Admin. Code Pt. 2, Ch. 2. 2.B(11)]</p>

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GRPT0000000003 40 CFR Part 60 Subpart IIII (Diesel or JP8 Emergency Backup Generators modified or constructed after June 12, 2006):

Narrative Requirements:

Condition No.	Condition
T-1	<p>40 CFR Part 60 Subpart IIII (New Emergency Diesel Engines)</p> <p>The permittee is found to be subject to 40 CFR Part 60 Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines. The provisions of this subpart are applicable to owners, and operators of stationary compression ignition (CI) internal combustion engines (ICE) constructed after June 12, 2006. The date that construction commences is the date the engine is ordered by the owner or operator. [40 CFR 60.4200]</p>

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Narrative Requirements:

Condition No.	Condition
T-2	<p>40 CFR Part 60 Subpart IIII (New Emergency Diesel Engines) - EMISSION STANDARDS</p> <p>(1) Owners and operators of pre-2007 model year emergency stationary CI ICE with a displacement of less than 10 liters per cylinder must comply with the emission standards in Table 1 of 40 CFR Part 60 Subpart IIII.</p> <p>(2) Owners and operators of pre-2007 model year emergency stationary CI ICE with a displacement of greater than or equal to 10 liters per cylinder and less than 30 liters per cylinder (that are not fire pump engines) must comply with the must not exceed NOx emission standards following, referenced from 40 CFR 94.8(a)(1):</p> <ul style="list-style-type: none">(i) 17.0 g/kW-hr when maximum test speed is less than 130 rpm(ii) $45.0 \times N^{(-0.20)}$ when maximum test speed is at least 130 but less than 2000 rpm, where N is the maximum test speed of the engine in revolutions per minute. (NOTE: Round speed-dependent standards to the nearest 0.1 g/kW-hr.)(iii) 9.8 g/kW-hr when maximum test speed is 2000 rpm or more <p>(3) Owners and operators of 2007 model year and later emergency stationary CI ICE with a displacement of less than 30 liters per cylinder must comply with the emission standards following, referenced from 40 CFR Part60.4202: Exhaust opacity must not exceed 20 percent during the acceleration mode, 15 percent during the lugging mode, and 50 percent during the peaks in either the acceleration or lugging modes.</p> <p>(4) Owners and operators of emergency stationary CI engines with a displacement of greater than or equal to 30 liters per cylinder must meet the requirements following:</p> <ul style="list-style-type: none">(i) For engines installed prior to January 1, 2012, limit the emissions per the requirements of paragraph (2) of this subpart.(ii) For engines installed on or after January 1, 2012, limit the emissions of NOX in the stationary CI ICE exhaust to the following:<ul style="list-style-type: none">(A) 14.4 g/KW-hr (10.7 g/HP-hr) when maximum engine speed is less than 130 rpm(B) $44 * n^{(-0.23)}$ g/KW-hr ($33 * n^{(-0.23)}$ g/HP-hr) when maximum engine speed is greater than 130 but less than 2,000 rpm; n is maximum engine speed(C) 7.7 g/KW-hr (5.7 g/HP-hr) when maximum engine speed is greater than or equal to 2,000 rpm.(iii) Limit the emissions of PM in the stationary CI ICE exhaust to 0.40 g/KW-hr (0.30 g/HP-hr). [40 CFR 60.4205]

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Narrative Requirements:

Condition No.	Condition
T-3	<p>40 CFR Part 60 Subpart IIII (New Emergency Diesel Engines) - FUEL REQUIREMENTS</p> <p>(1) Owners and operators of stationary CI ICE subject to 40 CFR Part 60 Subpart IIII that use diesel fuel must use diesel fuel that meets the requirements of the paragraphs following referenced from 40 CFR 80.510(a) and (b):</p> <p>(i) Sulfur content.</p> <p>(A) 15 ppm maximum for NR diesel fuel.</p> <p>(B) 500 ppm maximum for LM diesel fuel.</p> <p>(ii) Cetane index or aromatic content, as follows:</p> <p>(A) A minimum cetane index of 40</p> <p>(B) A maximum aromatic content of 35 volume percent.</p> <p>(2) Owners and operators of stationary CI ICE subject of 40 CFR Part 60 Subpart IIII with a displacement of greater than or equal to 30 liters per cylinder are no longer subject to the requirements of paragraph (1) of this section, and must use fuel that meets a maximum per-gallon sulfur content of 1,000 parts per million (ppm). [40 CFR 60.4207]</p>

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Condition No.	Condition
T-4	<p>40 CFR Part 60 Subpart IIII (New Emergency Diesel Engines) - COMPLIANCE REQUIREMENTS</p> <p>(1) Each operator of an emergency use, CI ICE must operate and maintain the stationary CI ICE and control device according to the manufacturer's emission-related written instructions, and must change only those emission-related settings that are permitted by the manufacturer and meet the requirements of 40 CFR parts 89, 94 and/or 1068, as they apply.</p> <p>(2) If you are an owner or operator of a CI ICE you must demonstrate compliance according to one of the methods specified in the paragraphs following:</p> <ul style="list-style-type: none">(i) Purchasing an engine certified according to 40 CFR part 89 or 40 CFR part 94, for the same model year and maximum engine power.(ii) Keeping records of performance test results for each pollutant for a test conducted on a similar engine.(iii) Keeping records of engine manufacturer data indicating compliance with the standards.(iv) Keeping records of control device vendor data indicating compliance with the standards.(v) Install and configure the ICE according to the manufacturer's emission-related specifications <p>(3) If you are an owner or operator of an emergency stationary CI ICE with a displacement of greater than or equal to 30 liters per cylinder, you must establish operating parameters to be monitored continuously to ensure the stationary internal combustion engine continues to meet the emission standards. The owner or operator must petition the Administrator for approval of operating parameters to be monitored continuously. The petition must include the information described in 40 CFR Part 60.4211 paragraphs (d)(2)(i) through (v).</p> <p>(4) Emergency stationary ICE may be operated for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hours per year. There is no time limit on the use of emergency stationary ICE in emergency situations. Emergency stationary ICE may operate up to 50 hours per year in non-emergency situations, but those 50 hours are counted towards the 100 hours per year provided for maintenance and testing. The 50 hours per year for non-emergency situations cannot be used for peak shaving or to generate income for a facility to supply power to an electric grid or otherwise supply non-emergency power as part of a financial arrangement with another entity. [40 CFR 60.4211(a)-(f)]</p>

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Narrative Requirements:

Condition No.	Condition
T-5	<p>40 CFR Part 60 Subpart IIII (New Emergency Diesel Engines) - TEST METHODS FOR ICE WITH A DISPLACEMENT OF LESS THAN 30 L PER CYLINDEI</p> <p>Owners and operators of stationary CI ICE with a displacement of less than 30 liters per cylinder who conduct performance tests pursuant of 40 CFR Part 60 Subpart IIII must do so according to paragraphs (a) through (c) of this section.</p> <p>(a) The performance test must be conducted according to the in-use testing procedures in 40 CFR part 1039, subpart F, for stationary CI ICE with a displacement of less than 10 liters per cylinder, and according to 40 CFR part 1042, subpart F, for stationary CI ICE with a displacement of greater than or equal to 10 liters per cylinder and less than 30 liters per cylinder.</p> <p>(b) Exhaust emissions from stationary CI ICE that are complying with the emission standards for new CI engines in 40 CFR 89.112 or 40 CFR 94.8, as applicable, must not exceed the NTE numerical requirements, rounded to the same number of decimal places as the applicable standard in 40 CFR 89.112 or 40 CFR 94.8, as applicable, determined from equation 1A in 40 CFR 60.4212 (c).</p> <p>(c) Exhaust emissions from stationary CI ICE that are complying with the emission standards for pre-2007 model year engines in 40 CFR Part60.4205(a) or 40 CFR Part60.4205(c) must not exceed the NTE numerical requirements, rounded to the same number of decimal places as the applicable standard, determined from equation 1B in 40 CFR 60.4212 (d). [40 CFR 60.4212]</p>

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Narrative Requirements:

Condition No.	Condition
T-6	<p>40 CFR Part 60 Subpart IIII (New Emergency Diesel Engines) - TEST METHODS FOR ICE WITH A DISPLACEMENT GREATER THAN 30 L PER CYLINDER</p> <p>Owners and operators of stationary CI ICE with a displacement of greater than or equal to 30 liters per cylinder who conduct performance tests pursuant of 40 CFR Part 60 Subpart IIII must do so according to paragraphs (a) through (f) of this section.</p> <p>(a) Each performance test must be conducted according to the requirements in 40 CFR Part 60.8 and under the specific conditions specified in table 7 of 40 CFR Part 60 Subpart IIII. The test must be conducted within 10 percent of 100 percent peak (or the highest achievable) load.</p> <p>(b) You may not conduct performance tests during periods of startup, shutdown, or malfunction, as specified in the language following, referenced from 40 CFR Part 60.8(c): Operations during periods of startup, shutdown, and malfunction shall not constitute representative conditions for the purpose of a performance test nor shall emissions in excess of the level of the applicable emission limit during periods of startup, shutdown, and malfunction be considered a violation of the applicable emission limit unless otherwise specified in the applicable standard.</p> <p>(c) You must conduct three separate test runs for each performance test required in this section, as specified in the language following referenced from 40 CFR Part60.8(f): (Each test run must last at least 1 hour.) Unless otherwise specified, each performance test shall consist of three separate runs using the applicable test method. Each run shall be conducted for the time and under the conditions specified in the applicable standard. For the purpose of determining compliance with an applicable standard, the arithmetic means of results of the three runs shall apply. In the event that a sample is accidentally lost or conditions occur in which one of the three runs must be discontinued because of forced shutdown, failure of an irreplaceable portion of the sample train, extreme meteorological conditions, or other circumstances, beyond the owner or operator's control, compliance may, upon the Administrator's approval, be determined using the arithmetic mean of the results of the two other runs. [40 CFR 60.4213(a)-(c)]</p>

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Narrative Requirements:

Condition No.	Condition
T-7	<p>40 CFR Part 60 Subpart IIII (New Emergency Diesel Engines) -TEST METHODS FOR ICE WITH A DISPLACEMENT GREATER THAN 30 L PER CYLINDER CONTINUED</p> <p>(d) To determine compliance with any percent reduction requirement, you must follow the language of the paragraphs following:</p> <p>(1) You must use Equation 2 of 40 CFR 60.4213 (d) (1) to determine compliance with the percent reduction requirement.</p> <p>(2) You must normalize the NOX or PM concentrations at the inlet and outlet of the control device to a dry basis and to 15 percent oxygen (O2) using Equation 3 of 40 CFR Part 60.4213 (d)(2), or an equivalent percent carbon dioxide (CO2) using the procedures described in paragraph (d)(3) of this section.</p> <p>(3) If pollutant concentrations are to be corrected to 15 percent O2 and CO2 concentration is measured in lieu of O2 concentration measurement, a CO2 correction factor is needed. Calculate the CO2 correction factor as described in paragraphs (d)(3)(i) through (iii) of this section.</p> <p>(i) Calculate the fuel-specific Fo value for the fuel burned during the test using values obtained from Method 19, Section 5.2, and using equation 4 in 40 CFR 60.4213 (d)(3)(i).</p> <p>(ii) Calculate the CO2 correction factor for correcting measurement data to 15 percent O2, using equation 5 in 40 CFR 60.4213 (d)(3)(ii).</p> <p>(iii) Calculate the NOX and PM gas concentrations adjusted to 15 percent O2 using CO2 using equation 6 in 40 CFR 60.4213 (d)(3)(iii).</p> <p>(e) To determine compliance with the NOX mass per unit output emission limitation, convert the concentration of NOX in the engine exhaust using Equation 7 of 40 CFR 60.4213 (e).</p> <p>(f) To determine compliance with the PM mass per unit output emission limitation, convert the concentration of PM in the engine exhaust using Equation 8 of 40 CFR 60.4213 (f). [40 CFR 60.4213(d)-(f)]</p>

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GRPT0000000003 (continued):

Narrative Requirements:

Condition No.	Condition
T-8	<p>40 CFR Part 60 Subpart IIII (New Emergency Diesel Engines) - REPORTING, AND RECORDKEEPING REQUIRMENTS</p> <p>(1) The permittee shall keep record of each performance test and emissions calculation preformed in accordance with 40 CFR Part 60 Subpart IIII for review upon request by the Mississippi Department of Environmental Quality.</p> <p>(2) The permittee shall submit the record of each performance test and emissions calculation preformed in accordance with 40 CFR Part 60 Subpart IIII in the annual report to the Mississippi Department of Environmental Quality.</p> <p>(3) If the stationary CI internal combustion engine is an emergency stationary internal combustion engine, the owner or operator is not required to submit an initial notification.</p> <p>(4) If the stationary CI internal combustion engine is equipped with a diesel particulate filter, the owner or operator must keep records of any corrective action taken after the backpressure monitor has notified the owner or operator that the high backpressure limit of the engine is approached.</p> <p>(5) Owners and operators of stationary CI ICE that do not use diesel fuel may petition the Administrator for approval of alternative emission standards, if they can demonstrate that they use a fuel that is not the fuel on which the manufacturer of the engine certified the engine and that the engine cannot meet the applicable standards required in 40 CFR Part60.4205 using such fuels and that use of such fuel is appropriate and reasonably necessary, considering cost, energy, technical feasibility, human health and environmental, and other factors, for the operation of the engine. [40 CFR 60.4200]</p>
T-9	<p>For Emission Point 203 all monitoring, recordkeeping and reporting are subject to requirements found in 40 CFR 60.4200. [11 Miss. Admin. Code Pt. 2, Ch. 2. 2.B(11)]</p>

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GRPT0000000004 40 CFR Part 63 Subpart CCCCCC (Gasoline Dispensing Facilities):

Narrative Requirements:

Condition No.	Condition
T-1	<p>40 CFR Part 63 Subpart CCCCCC (Gasoline Dispensing Facilities)</p> <p>The permittee has been found subject to 40 CFR Part 63 Subpart CCCCCC - National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Dispensing Facilities. This subpart establishes national emission limitations and management practices for hazardous air pollutants (HAP) emitted from the loading of gasoline storage tanks at gasoline dispensing facilities (GDF).</p> <p>(a) The affected source to which this subpart applies is each GDF that is located at an area source. The affected source includes each gasoline cargo tank during the delivery of product to a GDF and also includes each storage tank. Any GDF that has a monthly throughput of 100,000 gallons of gasoline or more must comply with the requirements of 40 CFR Part 63.11118 included herein. Monthly throughput is the total volume of gasoline loaded into, or dispensed from, all the gasoline storage tanks located at a single affected GDF. If an area source has two or more GDF at separate locations within the area source, each GDF is treated as a separate affected source.</p> <p>(b) The loading of aviation gasoline into storage tanks at airports, and the subsequent transfer of aviation gasoline within the airport, is not subject of 40 CFR 63 Subpart CCCCCC.</p> <p>(c) The dispensing of gasoline from a fixed gasoline storage tank at a GDF into a portable gasoline tank for the on-site delivery and subsequent dispensing of the gasoline into the fuel tank of a motor vehicle or other gasoline-fueled engine or equipment used within the area source is only subject to the requirements of GDF with a monthly throughput less than 10,000 gallons (40 CFR Part 63.11116).</p> <p>(d) The emission sources to which this subpart applies are gasoline storage tanks and associated equipment components in vapor or liquid gasoline service at new, reconstructed, or existing GDF that meet the criteria specified. Pressure/Vacuum vents on gasoline storage tanks and the equipment necessary to unload product from cargo tanks into the storage tanks at GDF are covered emission sources. The equipment used for the refueling of motor vehicles is not covered by this subpart.</p> <p>(1) An affected source is a new affected source if you commenced construction on the affected source after November 9, 2006.</p> <p>(2) An affected source is reconstructed if you meet the criteria for reconstruction as defined in 40 CFR Part 63.2.</p> <p>(3) An affected source is an existing affected source if it is not new or reconstructed. [40 CFR 63.11111, 40 CFR 63.11112]</p>

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GRPT0000000004 (continued):

Narrative Requirements:

Condition No.	Condition
T-2	<p>40 CFR Part 63 Subpart CCCCCC (Gasoline Dispensing Facilities) - COMPLIANCE REQUIREMENTS</p> <p>(a) The initial compliance demonstration must be conducted as specified following:</p> <p>(1) If you have a new or reconstructed affected source, you must conduct the initial compliance test upon installation of the complete vapor balance system.</p> <p>(2) If you have an existing affected source, you must conduct the initial compliance test as upon installation of the complete vapor balance system.</p> <p>(b) If your GDF is subject to the control requirements in this subpart only because it loads gasoline into fuel tanks other than those in motor vehicles, as defined in 40 CFR Part 63.11132, you must comply with the standards in this subpart as specified in the paragraphs following:</p> <p>(1) If your GDF is an existing facility, you must comply by January 24, 2014.</p> <p>(2) If your GDF is a new or reconstructed facility, you must comply upon startup of your GDF.</p> <p>(c) You must, at all times, operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.</p> <p>(d) Table 3 of 40 CFR 63 Subpart CCCCCC shows which parts of the General Provisions apply to you. [40 CFR 63.11113, 40 CFR 63.11115, 40 CFR 63.11130]</p>

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GRPT0000000004 (continued):

Narrative Requirements:

Condition No.	Condition
T-3	<p>40 CFR Part 63 Subpart CCCCCC (Gasoline Dispensing Facilities) - REQUIREMENTS FOR FACILITIES WITH MONTHLY THROUGHPUT GREATER THAN 100,000 GALLONS</p> <p>(a) You must not allow gasoline to be handled in a manner that would result in vapor releases to the atmosphere for an extended period; measures include:</p> <ul style="list-style-type: none">(1) Minimize gasoline spills and clean up spills as expeditiously as practicable;(2) Cover all open gasoline containers and all gasoline storage tank fill-pipes with a gasketed seal when not in use.(3) Minimize gasoline sent to open waste collection systems that collect and transport gasoline to reclamation and recycling devices, such as oil/water separators. <p>(b) Except as specified in paragraph (d) of this section, you must only load gasoline into storage tanks at your facility by utilizing submerged filling and as specified in the paragraphs following.</p> <ul style="list-style-type: none">(1) Submerged fill pipes installed on or before November 9, 2006, must be no more than 12 inches from the bottom of the tank.(2) Submerged fill pipes installed after November 9, 2006, must be no more than 6 inches from the bottom of the tank.(3) Submerged fill pipes not meeting the specifications of paragraphs (b)(1) or (b)(2) of this section are allowed if the owner or operator can demonstrate that the liquid level in the tank is always above the entire opening of the fill pipe. Documentation of such demonstration must be made available for inspection by the regulator. <p>(c) Except as provided in paragraph (d) of this section, you must meet the requirements in either paragraph following:</p> <ul style="list-style-type: none">(1) Each management practice in Table 1 of 40 CFR 63 Subpart CCCCCC that applies to your GDF.(2) If, prior to January 10, 2008, you satisfy the requirements in both paragraphs following, you will be deemed in compliance with this subsection.<ul style="list-style-type: none">(i) You operate a vapor balance system at your GDF that achieves emissions reduction of at least 90 percent and operates using management practices in Table 1.(ii) Your gasoline dispensing facility is in compliance with an enforceable State, local, or tribal rule or permit.

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T-4

40 CFR Part 63 Subpart CCCCCC (Gasoline Dispensing Facilities) - TESTING AND MONITORING REQUIREMENTS

(a) Each owner or operator of a vapor balance system required for GDF's with a monthly throughput greater than 100, 000 gallons, and every 3 years thereafter, must comply with the requirements in paragraphs (a)(1) and (2) of this section.

(1) You must demonstrate compliance with the leak rate and cracking pressure requirements, specified in item 1(g) of Table 1 of 40 CFR 63 Subpart CCCCCC, for pressure-vacuum vent valves installed on your gasoline storage tanks using the test methods identified in the paragraphs following:

(i) California Air Resources Board Vapor Recovery Test Procedure TP-201.1E, Leak Rate and Cracking Pressure of Pressure/Vacuum Vent Valves, adopted October 8, 2003.

(ii) Use alternative test methods and procedures in accordance with the alternative test method requirements in 40 CFR Part 63.7(f).

(2) You must demonstrate compliance with the static pressure performance requirement specified in item 1(h) of Table 1 of 40 CFR 63 Subpart CCCCCC for your vapor balance system by conducting a static pressure test on your gasoline storage tanks using the test methods identified in the paragraphs following:

(i) California Air Resources Board Vapor Recovery Test Procedure TP-201.3, Determination of 2-Inch WC Static Pressure Performance of Vapor Recovery Systems of Dispensing Facilities, adopted April 12, 1996, and amended March 17, 1999 (see 40 CFR Part 63.14).

(ii) Use alternative test methods and procedures in accordance with the alternative test method requirements in 40 CFR Part 63.7(f).

(iii) Bay Area Air Quality Management District Source Test Procedure ST-30 Static Pressure Integrity Test Underground Storage Tanks, adopted November 30, 1983, and amended December 21, 1994 (see 40 CFR Part 63.14).

(b) Each owner or operator choosing, under the provisions of 40 CFR Part 63.6(g), to use a vapor balance system other than that described in Table 1 of 40 CFR 63 Subpart CCCCCC must demonstrate to the Administrator or delegated authority the equivalency of their vapor balance system to that described in Table 1 using the procedures specified herein.

(c) Performance tests conducted for this subpart shall be conducted under such conditions as the Administrator specifies to the owner or operator based on representative performance (i.e., normal operating conditions) of the affected source. Upon request, the owner or operator shall make available to the Administrator such records as may be necessary to determine the conditions of performance tests.

(d) Owners and operators of gasoline cargo tanks subject to the provisions of Table 2 of 40 CFR 63 Subpart CCCCCC must conduct annual certification testing according to the vapor tightness testing requirements found in 40 CFR Part 63.11092(f). [40 CFR 63.11120]

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GRPT0000000004 (continued):

Narrative Requirements:

Condition No.	Condition
T-5	<p>40 CFR Part 63 Subpart CCCCCC (Gasoline Dispensing Facilities) - NOTIFICATIONS TO SUBMIT</p> <p>Each owner or operator subject to the control requirements for a GDF with a monthly throughput greater than 100,000 gallons (40 CFR Part 63.11118), you must comply with paragraphs (1) through (5) of this section.</p> <p>(1) You must submit an Initial Notification that you are subject of 40 CFR 63 Subpart CCCCCC at the time you become subject to the control requirements in 40 CFR Part 63.11118. The Initial Notification must contain the information specified in paragraphs (1)(i) through (iii) of this section. The notification must be submitted to the applicable EPA Regional Office and delegated State authority.</p> <p>(i) The name and address of the owner and the operator.</p> <p>(ii) The address (i.e., physical location) of the GDF.</p> <p>(iii) A statement that the notification is being submitted in response of 40 CFR 63 Subpart CCCCCC and identifying the requirements in paragraphs that apply to you.</p> <p>(2) You must submit a Notification of Compliance Status to the applicable EPA Regional Office and the delegated State authority, as specified in 40 CFR Part 63.13, in accordance with the schedule specified in 40 CFR Part 63.9(h). The Notification of Compliance Status must be signed by a responsible official who must certify its accuracy, must indicate whether the source has complied with the requirements of this subpart, and must indicate whether the facility's throughput is determined based on the volume of gasoline loaded into all storage tanks or on the volume of gasoline dispensed from all storage tanks. If your facility is in compliance with the requirements of this subpart at the time the Initial Notification required is due, the Notification of Compliance Status may be submitted in lieu of the Initial Notification provided it contains the information required.</p> <p>(3) If, prior to January 10, 2008, you satisfy the requirements in both paragraphs (3)(i) and (ii) of this section, you are not required to submit an Initial Notification and Notification of Compliance Status.</p>

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40 CFR Part 63 Subpart CCCCCC (Gasoline Dispensing Facilities) - RECORDKEEPING AND REPORTING REQUIREMENTS

- (a) Each owner or operator must keep records of all tests performed in compliance with this standard. Records required shall be kept for a period of 5 years and shall be made available for inspection by the Administrator's delegated representatives during the course of a site visit.
- (b) Each owner or operator of a gasoline cargo tank subject to the management practices in Table 2 of 40 CFR 63 Subpart CCCCCC must keep records documenting vapor tightness testing for a period of 5 years. Documentation must include each of the items specified in 40 CFR Part 63.11094(b)(2)(i) through (viii). Records of vapor tightness testing must be retained as specified in either paragraph of this section.
 - (1) The owner or operator must keep all vapor tightness testing records with the cargo tank.
 - (2) As an alternative, the owner or operator may comply with the requirements of paragraphs following:
 - (i) The owner or operator may keep records of only the most recent vapor tightness test with the cargo tank, and keep records for the previous 4 years at their office or another central location.
 - (ii) Vapor tightness testing records that are kept at a location other than with the cargo tank must be instantly available to the Administrator's delegated representative during the course of a site visit or within a mutually agreeable time frame. Such records must be an exact duplicate image of the original paper copy record with certifying signatures.
- (c) Each owner or operator of an affected source under this subpart shall keep records as specified in paragraphs following:
 - (1) Records of the occurrence and duration of each malfunction of operation or the air pollution control and monitoring equipment.
 - (2) Records of actions taken during periods of malfunction to minimize emissions including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.
- (d) Each owner or operator subject to the management practices for GDF with a monthly throughput greater than 100,000 gallons (40 CFR Part 63.11118) shall report to the Administrator the results of all volumetric efficiency tests required. Reports submitted under this paragraph must be submitted within 180 days of the completion of the performance testing.
- (e) Each owner or operator of an affected source under this subpart shall report, by March 15 of each year, the number, duration, and a brief description of each type of malfunction which occurred during the previous calendar year and which caused or may have caused any applicable emission limitation to be exceeded. The report must also include a description of actions taken by an owner or operator during a malfunction of an affected source to minimize emissions including actions taken to correct a malfunction. No report is necessary for a calendar year in which no malfunctions occurred. [40 CFR 63.11125, 40 CFR 63.11126]

GENERAL INFORMATION

Naval Air Station, Meridian
Lizelia Road
Naval Air Station Meridian
Meridian, MS
Lauderdale County

Alternate/Historic Identifiers

ID	Alternate/Historic Name	User Group	Start Date	End Date
1324	United States Department of The Navy, Naval Air Station, Meridian	Official Site Name	11/16/1992	
2807500060	Naval Air Station, Meridian	Air-AIRS AFS	10/12/2000	
MS1971590012	Naval Air Station, Meridian	Hazardous Waste-EPA ID	10/12/2000	
146000060	Naval Air Station, Meridian	Air-Construction	6/17/1999	
146000060	Naval Air Station, Meridian	Air-Construction	11/11/1998	
146000060	Naval Air Station, Meridian	Air-Synthetic Minor Operating	2/25/1998	2/1/2003
MSR320075	Naval Air Station, Meridian	GP-Mining	8/20/1993	8/20/1993
MSR320075	Naval Air Station, Meridian	GP-Mining	11/16/1992	11/9/1997
MSR001396	Naval Air Station, Meridian	GP-Baseline	7/26/1999	10/26/2000
MSR001396	Naval Air Station, Meridian	GP-Baseline	10/26/2000	5/24/2006
MSR102347	Head, Inc., Meridian Airfield Lighting Upgrade	GP-Construction	11/26/2002	3/11/2004
MSR102909	United States Department of The Navy, Naval Air Station, Meridian	GP-Construction	4/9/2004	12/27/2006
146000060	Naval Air Station, Meridian	Air-Synthetic Minor Operating	6/28/2004	2/19/2009
MSR001396	United States Department of the Navy, Naval Air Station, Meridian	GP-Baseline	5/24/2006	11/2/2010
8423	United States Naval Air Station	UST	6/21/1989	
1324 001	United States Naval Air Station	GARD	5/31/1996	
1324 002	United States Naval Air Station AST Site	GARD	5/31/1996	
MSR105382	Simmons Erosion Control, Inc., Naval Air Station, Meridian, Perimeter Fence R	GP-Construction	2/4/2009	8/25/2010
146000060	Naval Air Station, Meridian	Air-Synthetic Minor Operating	2/19/2009	1/31/2014
MSR105541	Simmons Erosion Control, Inc., Naval Air Station, Meridian, Airfield Drainage	GP-Construction	8/5/2009	3/2/2011
MSR105609	Tropical World Landscaping & Irrigation, Naval Air Station, Airfield Erosion C	GP-Construction	11/5/2009	3/7/2011
MSR105703	Naval Air Station, Meridian, Fitness Center Revovations	GP-Construction	3/30/2010	5/31/2010
MSR001396	United States Department of the Navy, Naval Air Station, Meridian	GP-Baseline	11/2/2010	9/28/2015

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ID	Alternate/Historic Name	User Group	Start Date	End Date
MSR105541	Simmons Erosion Control, Inc., Naval Air Station, Meridian	GP-Construction	3/2/2011	12/31/2015
MSR105609	Tropical World Landscaping & Irrigation, Naval Air Station, Airfield Erosion C	GP-Construction	3/7/2011	12/31/2015
MSR106579	United States Department of the Navy, Naval Air Station, Meridian	GP-Construction	3/11/2014	12/31/2019
146000060	Naval Air Station, Meridian	Air-Synthetic Minor Operating	5/1/2015	4/30/2020

Basin: Tombigbee River Basin

Location Description:PG- Plant Entrance (General). Data collected by Marcus Brown on 10/31/2005. Elevation 276 feet. Base is on Rosenbaum Avenue off Highway 854 East.