



## State of Mississippi



### FEDERALLY ENFORCEABLE AIR POLLUTION CONTROL PERMIT

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

### THIS CERTIFIES

US Air Force, Columbus Air Force Base

US Highway 45 North

Columbus AFB, MS

Lowndes, Lowndes 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 18 2016

Expires: FEB 28 2019

Permit No. 1680-00007

Agency Interest # 1356

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

US Air Force, Columbus Air Force Base

Subject Item Inventory

Permit Number: 1680-00007

Activity ID No.: PER20150001

### Subject Item Inventory:

ID	Designation	Description
AI1356		
EQPT1	AA-003	Bead Blasting Operation vented from four (4) stacks to a cyclone followed by a baghouse (Bldg. 414)
EQPT3	AA-019	10.46 MMBTU/hr Natural Gas Fired Boiler (Building 406)
EQPT4	AA-020	Combustion Units with a heat capacity of each unit rated less than 10 MMBTU/hr; total heat capacity for all units is less than 130 MMBTU/hr
EQPT17	AA-022	Woodworking Shops (Bldg. 335 and 385) controlled by a cyclone followed by a fabric bag filter system
EQPT16	AA-023	Fuel Cell Maintenance
EQPT5	AE-001	Small Diesel Fuel-Fired Emergency Generators (Total Capacity not to exceed 5500 kW; Capacity of each individual unit shall not exceed 600 HP)
EQPT18	AE-002	Large Diesel Fuel-Fired Emergency Generators (Total Capacity not to exceed 1791 kW; Capacity of each individual unit is greater than 600 HP)
EQPT19	AE-003	MOGAS Fuel-Fired Emergency Generators
EQPT10	AF-001	Fire Training Facility
EQPT7	AJ-001	Jet Engine Testing (Building 203)
EQPT8	AL-001	MOGAS Loading Rack
EQPT13	AL-002	Jet-A Fuel Loading Racks (2 total)
EQPT15	AL-003	Diesel Fuel Loading Rack
EQPT9	AS-001	Surface Coating Operations (Buildings 220, 262, 304, 406, and 440)
AREA1	AS-002	Fiberglass Repair Shop
EQPT11	AT-001	Diesel Above Ground Storage Tanks (23,264 gallon combined total capacity)
EQPT21	AT-002	MOGAS Above Ground Storage Tanks (1,325 gallon combined total capacity)
EQPT22	AT-003	Jet-A Above Ground Storage Tanks (1,543,756 gallon combined total capacity)

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**Subject Item Inventory:**

<b>ID</b>	<b>Designation</b>	<b>Description</b>
EQPT23	AT-004	Jet Fuel Additive Above Ground Storage Tanks (2,550 gallon combined total capacity)
EQPT24	AT-005	Used Oil Above Ground Storage Tanks (7,626 gallon combined total capacity)
EQPT25	AT-006	25,000 gallon capacity Diesel Underground Storage Tank (Tank Ref. ID 319.3)
EQPT28	AT-008	Two (2) 25,000 gallon capacity MOGAS Underground Storage Tanks (Tank Ref. ID 319.1 and 319.2)
EQPT29	AT-009	Eight (8) 50,000 gallon capacity Jet-A Underground Storage Tanks (Tank Ref. ID 1918.1 through 1918.8)

**Receiving Stream Relationships:**

<b>Subject Item</b>	<b>Relationship</b>	<b>Receiving Stream</b>
AI 1356	Discharges Into	Black Creek
	Then Into	Buttahatchee River
	Then Into	Stintson Creek
	Then Into	Tombigbee River

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### **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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### Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Carbon Monoxide	<p>Carbon Monoxide:</p> <p>The permittee shall limit facility-wide Carbon Monoxide emissions to no more than 99.0 tpy as determined for each consecutive, rolling 12-month period. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).]</p>
L-2	Particulate Matter	<p>Particulate Matter:</p> <p>The maximum permissible emission of ash and/or particulate matter from 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).]</p>
L-3	Particulate Matter	<p>Particulate Matter:</p> <p>The maximum permissible emission of ash and/or particulate matter from installations equal to or greater than 10 million BTU per hour heat input but less than 10,000 million BTU per hour heat input 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, R. 1.3.D(1)(b).]</p>
L-4	Nitrogen oxides	<p>Nitrogen oxides:</p> <p>The permittee shall limit facility-wide Nitrogen oxide emissions to no more than 99.0 tpy as determined for each consecutive, rolling 12-month period. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).]</p>

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### Limitation Requirements:

Condition No.	Parameter	Condition
L-5	Opacity	<p>Opacity:</p> <p>For each applicable emission source at the facility, the permittee shall not have emissions of Opacity in excess of 40% as determined by EPA Reference Method 9, 40 CFR 60, Appendix A. Note: Emission Point AF-001, the Fire Training Facility is excluded from this requirement. [11 Miss. Admin. Code Pt. 2, R. 1.3.B.]</p>
L-6	Sulfur Dioxide	<p>Sulfur Dioxide:</p> <p>The maximum discharge of sulfur oxides from any 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).]</p>
L-7	VOC	<p>VOC:</p> <p>For Emission Points AS-001 and AS-002, the permittee shall limit VOC emissions to no more than 30.0 tpy as determined for each consecutive, rolling 12-month period. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).]</p>
L-8	HAP, Individual (Limit)	<p>HAP, Individual (Limit):</p> <p>For emission points AS-001 and AS-002, the permittee shall limit individual HAP emissions to no more than 1.75 tpy as determined for each consecutive, rolling 12-month period. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).]</p>
L-9	Fuel Combusted	<p>Fuel Combusted:</p> <p>The permittee shall combust oil that contains a maximum fuel sulfur content of 0.0015% by weight. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).]</p>

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### Limitation Requirements:

Condition No.	Parameter	Condition
L-10	Fuel Combusted	<p>Fuel Combusted:</p> <p>For Emission Points AA-019, and AA-020 combined, the permittee shall limit usage of natural gas Fuel Combusted to no more than 476.8 MMft<sup>3</sup>/yr as determined for each consecutive, rolling 12-month period. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).]</p>
L-11	Fuel Combusted	<p>Fuel Combusted:</p> <p>For Emission Point AF-001, the permittee shall limit Liquid Petroleum Gas (LPG) Fuel Combusted to no more than 100,000 gallons/yr as determined for each consecutive, rolling 12-month period, and a maximum of 260 new and/or on-site generated used wood pallets per year, as determined for each consecutive, 12 month period. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).]</p>
L-12		<p>For Emission Points AE-001, AE-002 and AE-003 (excluding Generator # 17A, 23A, 27 and 44) the permittee shall limit hours of operation of each generator to no more than 500 hours/year. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).]</p>
L-13		<p>For emission point AJ-001, the permittee shall limit jet engine testing for engine type J-85 to no more than 2,000 tests as determined for each consecutive, rolling 12-month period. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).]</p>
L-14		<p>For emission point AL-001, the permittee shall limit throughput of MOGAS to no more than 1,800,000 gallons/yr as determined for each consecutive, rolling 12-month period. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).]</p>
L-15		<p>For emission point AL-002, the permittee shall limit throughput of Jet-A to no more than 63,324,795 gallons/yr as determined for each consecutive, rolling 12-month period. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).]</p>
L-16		<p>For emissioin point AL-003, the permittee shall limit throughput of diesel to no more than 900,000 gallons/yr as determined for each consecutive, rolling 12-month period. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).]</p>
L-17		<p>For Emission Point AE-001 (Generator # 27 and 44), and AE-002 (Generator # 17A), the permittee shall comply with the emission standards for new nonroad CI engines in §60.4202, for all pollutants, for the same model year and maximum engine power for 2007 model year and later emergency stationary CI ICE. [40 CFR 60.4205(b)]</p>



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### Limitation Requirements:

Condition No.	Parameter	Condition
L-18		For Emission Point AE-001 (Generator # 23A), for the displacement of less than 10 liters per cylinder, the permittee shall comply with emission standards in Table 1 to Subpart IIII. If the displacement is greater than or equal to 10 liters per cylinder and less than 30 liters per cylinder, the permittee must comply with the emission standards in 40 CFR 94.8(a)(1). [40 CFR 60.4205(a)]
L-19		For Emission Points AE-001 (Generator # 23A, 27, and 44) and AE-002 (Generator # 17A), the permittee shall operate and maintain stationary CI ICE that achieve the emission standards as required in §60.4205 over the entire life of the engine. [40 CFR 60.4206]
L-20		<p>For Emission Points AE-001 (Generator # 23A, 27, and 44) and AE-002 (Generator # 17A), any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described below, is prohibited.</p> <p>(a) There is no time limit on the use of emergency stationary ICE in emergency situations.</p> <p>(b) The permittee may operate the emergency stationary ICE for any combination of the purposes specified in §60.4211(f)(2) (i) through (iii) for a maximum of 100 hours per calendar year.</p> <p>(c) The emergency stationary ICE may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in paragraph (b). Except as provided in §60.4211(f)(3)(i) of this section, the 50 hours per calendar year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity. [40 CFR 60.4211(f)]</p>
L-21		For Emission Points AE-001 (Generator # 23A, 27, and 44) and AE-002 (Generator #17A), the permittee shall use diesel fuel that meets the requirements of 40 CFR 80.510(b) for nonroad diesel fuel. [40 CFR 60.4207(b)]

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### Monitoring Requirements:

Condition No.	Parameter	Condition
M-1		For emission points AA-003, AA-022, AS-001, and AS-002, the permittee shall perform inspection and maintenance of the pollution control equipment each week or more often if necessary to ensure proper operation of all equipment. The permittee shall maintain on hand at all times equipment sufficient as is necessary to repair and/or overhaul the pollution control equipment. In the event of a failure of the pollution control equipment, the permittee shall cease operations until such time as repairs are made and the proper efficiency of the pollution control equipment is restored. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).]
M-2		For Emission Points AT-001 through AT-009, the permittee shall perform inspections of the tanks each month or more often if necessary to ensure proper operation of all equipment. Any tank leaks or damage to the roof seals shall be repaired as soon as possible after detection. These tanks shall be operated and maintained in a manner that will minimize VOC emissions. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).]
M-3		For the entire facility, the permittee shall monitor Nitrogen oxide emissions by calculations monthly, determining the total emissions based on the amount of fuel combusted and applicable emission factors. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).]
M-4		For Emission Points AE-001 (Generator # 23A, 27, and 44) and AE-002 (Generator #17A), the permittee shall keep records of the operation of each engine in emergency and non-emergency service that are recorded through the non-resettable hour meter. The owner must record the time of operation of the engine and the reason the engine was in operation during that time. [40 CFR 60.4214(b)]
M-5		<p>For Emission Points AE-001 (Generator # 23A, 27, and 44) and AE-002 (Generator # 17A), the permittee shall do the following:</p> <p>(a) Operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's emission-related written instructions;</p> <p>(b) Change only those emission-related settings that are permitted by the manufacturer; and</p> <p>(c) Meet the requirements of 40 CFR parts 89, 94 and/or 1068, as they apply to you. [40 CFR 60.4211(a)]</p>

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### Record-Keeping Requirements:

Condition No.	Condition
R-1	For Emission Point AA-019, the permittee shall maintain records of the amount of natural gas combusted during each calendar month. [40 CFR 60.48c(g)(2)]
R-2	For Emission Point AA-020, the permittee shall maintain records of the total rated capacity of all natural gas fired combustion equipment which has an individual rating less than 10 MMBTU/hr. These records must be kept in log form and made available for review upon request. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).]
R-3	For emission point AF-001, the permittee shall maintain records showing the dates and amounts of usage of LPG (in gallons) and wood pallets used daily, monthly, and as determined for each consecutive, rolling 12-month period. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).]
R-4	For emission point AJ-001, the permittee shall maintain records of the number of engine tests performed on a monthly basis and as determined for each consecutive, rolling 12-month period. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).]
R-5	For emission points AL-001, AL-002, and AL-003, the permittee shall maintain a logbook containing the fuel throughput in gallons on a monthly basis and as determined for each consecutive, rolling 12-month period. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).]
R-6	For emission points AT-001, AT-002, AT-003, AT-004, and AT-005, the permittee shall maintain records of the total capacity of aboveground storage tanks. These records must be kept in log form and made available for review upon request. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).]
R-7	For emission points AA-003, AA-022, AS-001, and AS-002, the permittee shall maintain records in log form of inspections and any maintenance performed and these records must be made available for review upon request. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).]
R-8	For Emission Points AS-001 and AS-002, the permittee shall determine the following and maintain sufficient records to document the following for each coating, adhesive, solvent or other VOC or HAP containing material used, utilizing data supplied by the manufacturer or by analysis of each coating and/or solvent using EPA Reference Method 24, 40 CFR 60, Appendix A: a) Identification of each material, b) The percentage of each Volatile Organic Compound (VOC) and Hazardous Air Pollutant (HAP) by weight, and a description of the method used to determine the content, c) The density (lbs/gal), d) The total gallons usage of each material on a monthly basis and consecutive, rolling 12-month period, and e) The emission rate, in tons per month and tons per year, for VOCs, HAPs (Total) and HAPs (Individual) for each month and for each consecutive, rolling 12-month period. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).]
R-9	For Emission Point AE-001, AE-002 and AE-003 (excluding Generator # 17A, 23A, 27 and 44), the permittee shall maintain records of the hours of operation of each generator. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).]

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### Submittal/Action Requirements:

Condition No.	Condition
S-1	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 address any required monitoring specified in the permit. [11 Miss. Admin.Code Pt. 2, R.2.2.B(11).]
S-2	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(11).]

### 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)]
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.]

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### Narrative Requirements:

Condition No.	Condition
T-6	<p>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:</p> <p>(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</p> <p>(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]</p>
T-7	<p>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:</p> <p>(a) Violation of any terms or conditions of this permit</p> <p>(b) Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or</p> <p>(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.]</p>
T-8	<p>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).]</p>
T-9	<p>General Condition: Except for data determined to be confidential under the Mississippi Air &amp; 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]</p>
T-10	<p>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).]</p>
T-11	<p>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).]</p>

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### Narrative Requirements:

Condition No.	Condition
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"><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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### 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>



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

US Air Force, Columbus Air Force Base

Facility Requirements

Permit Number: 1680-00007

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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>
T-26	<p>Emission Point AA-019 is subject to and shall comply with all applicable requirements of 40 CFR Part 60, Subpart Dc - Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units, and 40 CFR Part 60, Subpart A - General Provisions. [40 CFR 60.40(c)]</p>

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

US Air Force, Columbus Air Force Base

Facility Requirements

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### Narrative Requirements:

Condition No.	Condition
T-27	Emission Points AE-001 (Generator # 23A, 27, and 44) and AE-002 (Generator # 17A) are subject to and shall comply with all applicable standards of 40 CFR Part 63, Subpart ZZZZ - National Emission Standards for Hazardous Air Pollutants - Stationary Reciprocating Internal Combustion Engines, and 40 CFR Part 63, Subpart A - General Provisions. Emission Points AE-001 and AE-002 are new stationary RICE at an area source subject to regulations under 40 CFR Part 60; therefore, no further requirements of Subpart ZZZZ apply. [40 CFR 63.6585, 40 CFR 63.6590(c)(1)]
T-28	Emission Points AE-001 (Generator # 23A, 27, and 44) and AE-002 (Generator # 17A) are subject to and shall comply with all applicable requirements of 40 CFR Part 60, Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines, and 40 CFR Part 60, Subpart A - General Provisions. [40 CFR 60.4200]

## GENERAL INFORMATION

US Air Force, Columbus Air Force Base  
US Highway 45 North  
Columbus AFB, MS  
Lowndes, Lowndes County

### Alternate/Historic Identifiers

ID	Alternate/Historic Name	User Group	Start Date	End Date
I1356	United States Department of the Air Force	Official Site Name	05/14/1996	
2808700007	US Air Force, Columbus Air Force Base	Air-AIRS AFS	10/12/2000	
MS7570024060	US Air Force, Columbus Air Force Base	Hazardous Waste-EPA ID	10/12/2000	
I68000007	US Air Force, Columbus Air Force Base	Air-Construction	12/22/1997	
I68000007	US Air Force, Columbus Air Force Base	Air-Construction	05/22/1998	
I68000007	US Air Force, Columbus Air Force Base	Air-Construction	08/26/1998	
I68000007	US Air Force, Columbus Air Force Base	Air-Title V Operating	08/27/1998	08/01/2003
I68000007	US Air Force, Columbus Air Force Base	Air-Construction	11/05/1999	
I68000007	US Air Force, Columbus Air Force Base	Air-Construction	09/27/1999	
MSR001351	US Air Force, Columbus Air Force Base	GP-Baseline	03/17/1999	11/07/2000
MSR101287	US Air Force, Columbus Air Force Base	GP-Construction	03/04/1999	05/13/2000
MSR101287	US Air Force, Columbus Air Force Base	GP-Construction	05/13/2000	06/09/2003
MSP091421	US Air Force, Columbus Air Force Base	Water - Pretreatment	05/29/1998	04/02/2003
MS0040258	US Air Force, Columbus Air Force Base	Water - NPDES	05/14/1996	07/24/1998
MSR102185	LJC Hammer	GP-Construction	06/04/2002	03/27/2005
MSR001351	US Air Force, Columbus Air Force Base	GP-Baseline	11/07/2000	01/09/2006
MSP091421	US Air Force, Columbus Air Force Base	Water - Pretreatment	04/02/2003	03/31/2008
I68000007	US Air Force, Columbus Air Force Base	Air-Synthetic Minor Operating	07/26/2004	05/28/2009
C1010	United States Department of the Air Force, Columbus Air Force Base Compost Facility	SolidWaste - Composting - Yard	08/01/2005	09/22/2008
MSR001351	US Air Force, Columbus Air Force Base	GP-Baseline	01/09/2006	06/07/2011
I1725	Facility 338 Auto Hobby Shop	UST	01/31/1996	
MSR104601	United States Department of the Air Force, Columbus Air Force Base	GP-Construction	05/17/2007	03/23/2011
MSR105030	AETC II Privatized Housing LLC, US Air Force, Columbus Air Force Base	GP-Construction	04/07/2008	12/07/2010
MSP091421	US Air Force, Columbus Air Force Base	Water - Pretreatment	09/09/2008	08/31/2013

## GENERAL INFORMATION

I356 001	Columbus Air Force Base on Base	GARD	12/01/2008	
I356 002	United States Air Force Columbus AFB	GARD	10/14/1980	
I356 003	United States Air Force Columbus AFB, Indoor Firing Range	GARD	12/01/1994	
I68000007	US Air Force, Columbus Air Force Base	Air-Synthetic Minor Operating	05/28/2009	03/06/2014
MSR001351	United States Department of the Air Force, US Air Force, Columbus Air Force Base	GP-Baseline	06/07/2011	02/12/2016
MSR106297	Babcock Construction Company LLC, US Air Force, Columbus Air Force Base	GP-Construction	12/10/2012	10/01/2013
I68000007	US Air Force, Columbus Air Force Base	Air-Synthetic Minor Operating	03/06/2014	02/28/2019
MSR001351	United States Department of the Air Force, US Air Force, Columbus Air Force Base	GP-Baseline	02/12/2016	10/31/2020

**Basin:** Tombigbee River Basin

**Location Description:** PG- Plant Entrance (General). Data was collected by W. Stover on 8/15/01