

STATE OF MISSISSIPPI AND FEDERALLY ENFORCEABLE AIR POLLUTION CONTROL PERMIT

**TO OPERATE AIR EMISSIONS EQUIPMENT AT A
SYNTHETIC MINOR SOURCE**

THIS CERTIFIES THAT

Niteo Products LLC
720 Vaiden Drive
Hernando, Mississippi
Desoto 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. seq., 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

AUTHORIZED SIGNATURE
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Issued: _____

Permit No.: 0680-00027

Effective Date: As specified herein.

Expires: [No more than 5 years from the issue date.]

Section 1.

A. GENERAL CONDITIONS

1. This permit is for air pollution control purposes only.
(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.1.D.)
2. 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.
(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.4.D.)
3. Any activities not identified in the application are not authorized by this permit.
(Ref.: Miss. Code Ann. 49-17-29 1.b)
4. 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.
(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(5).)
5. The issuance of a permit does not release the permittee from liability for constructing or operating air emissions equipment in violation of any applicable statute, rule, or regulation of state or federal environmental authorities.
(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(7).)
6. 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.
(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(15)(a).)
7. 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.
(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(15)(c).)
8. 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.

(Ref.: Miss. Code Ann. 49-17-21)

- 9. 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.

(Ref.: Miss. Code Ann. 49-17-39)

- 10. 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.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.1.D(7).)

- 11. This permit does not authorize a modification as defined in Regulation 11 Miss. Admin. Code Pt. 2, Ch.2., "Permit Regulations for the Construction and/or Operation of Air Emission Equipment." A modification may require a Permit to Construct and a modification of this permit. Modification is defined as "Any physical change in or change in the method of operation of a facility which increases the actual emissions or the 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:

- 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:

- (1) 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 Part 51, Subpart I, or 40 CFR 51.166; or
- (2) The source is approved to use under any permit issued under 40 CFR 52.21 or under regulations approved pursuant to 40 CFR Part 51, Subpart I, or 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 52.21 or under regulations approved pursuant to 40 CFR Part 51, Subpart I or 40 CFR 51.166; or
- f. Any change in ownership of the stationary source.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.1.C(15).)

B. GENERAL OPERATIONAL CONDITIONS

- 1. 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 or, in the absence of an approved schedule, with the appropriate requirements specified in Regulation, 11 Miss. Admin. Code Pt. 2, "Regulations for the Prevention of Air Pollution Emergency Episodes" for the level of emergency declared.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.10.)

- 2. 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."

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.10.)

- 3. 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.

(Ref.: Miss. Code Ann. 49-17-29 1.a(i and ii))

- 4. Except as otherwise specified herein, the permittee shall be subject to the following provisions with respect to upsets, startups, and shutdowns.

- a. Upsets

- (1) For an upset defined in 11 Miss. Admin. Code Pt. 2, R. 1.2., the Commission may pursue an enforcement action for noncompliance with an emission standard or other requirement of an applicable rule, regulation, or permit. In determining whether to pursue enforcement action, and/or the appropriate enforcement action to take, the Commission may consider whether the source has demonstrated through properly signed contemporaneous operating logs or other relevant evidence the following:
 - (i) An upset occurred and that the source can identify the cause(s) of the upset;
 - (ii) The source was at the time being properly operated;
 - (iii) During the upset the source took all reasonable steps to minimize levels of emissions that exceeded the emission standard or other requirement of an applicable rule, regulation, or permit;
 - (iv) That within 5 working days of the time the upset began, the source submitted a written report to the Department describing the upset, the steps taken to mitigate excess emissions or any other noncompliance, and the corrective actions taken and;
 - (v) That as soon as practicable but no later than 24 hours of becoming aware of an upset that caused an immediate adverse impact to human health or the environment beyond the source boundary or caused a general nuisance to the public, the source provided notification to the Department.
- (2) In any enforcement proceeding by the Commission, the source seeking to establish the occurrence of an upset has the burden of proof.
- (3) This provision is in addition to any upset provision contained in any applicable requirement.
- (4) These upset provisions apply only to enforcement actions by the Commission and are not intended to prohibit EPA or third party enforcement actions.

b. Startups and Shutdowns (as defined by 11 Miss. Admin. Code Pt. 2, R. 1.2.)

- (1) Startups and shutdowns are part of normal source operation. Emission limitations apply during startups and shutdowns unless source specific emission limitations or work practice standards for startups and shutdowns are defined by an applicable rule, regulation, or permit.
- (2) Where the source is unable to comply with existing emission limitations

established under the State Implementation Plan (SIP) and defined in this regulation, 11 Mississippi Administrative Code, Part 2, Chapter 1, the Department will consider establishing source specific emission limitations or work practice standards for startups and shutdowns. Source specific emission limitations or work practice standards established for startups and shutdowns are subject to the requirements prescribed in 11 Miss. Admin. Code Pt. 2, R. 1.10.B(2)(a) through (e).

- (3) Where an upset as defined in Rule 1.2 occurs during startup or shutdown, see the upset requirements above.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.10.)

5. Compliance Testing: Regarding compliance testing:

- a. The results of any emissions sampling and analysis shall be expressed both in units consistent with the standards set forth in any Applicable Rules and Regulations or this permit and in units of mass per time.
- b. Compliance testing will be performed at the expense of the permittee.
- c. Each emission sampling and analysis report shall include but not be limited to the following:
 - (1) Detailed description of testing procedures;
 - (2) Sample calculation(s);
 - (3) Results; and
 - (4) Comparison of results to all Applicable Rules and Regulations and to emission limitations in the permit.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.6.B(3), (4), and (6).)

C. PERMIT RENEWAL / MODIFICATION / TRANSFER / TERMINATION

1. 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. If the applicant submits a timely and complete application pursuant to this paragraph and the Permit Board, through no fault of the applicant, fails to act on the application on or before the expiration date of the existing permit, the applicant shall continue to operate the stationary source under the terms and conditions of the expired permit, which shall remain in effect until final action on the application is taken by the Permit Board. Permit expiration terminates the

source's ability to operate unless a timely and complete renewal application has been submitted.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.8.)

2. The permittee shall furnish to the DEQ within a reasonable time any information the DEQ 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 the DEQ copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee shall furnish such records to the DEQ along with a claim of confidentiality. The permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(15)(d).)

3. The permit and/or any part thereof may be modified, revoked, reopened, and reissued, or terminated for cause. Sufficient cause for a 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 permit condition.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(15)(b).)

4. 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. Persistent 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 federal, state, or local laws or regulations that require either a temporary or permanent reduction or elimination of previously authorized air emission.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.C.)

5. This permit may only be transferred upon approval of the Mississippi Environmental Quality Permit Board.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.16.B.)

SECTION 2 EMISSION POINT DESCRIPTION

The permittee is authorized to operate air emissions equipment, as described in the following table.

Emission Point	Facility Designation	Description
AA-102	T-38	17,650 Gallon Horizontal Storage Tank
AA-103	T-3	22,843 Gallon Fixed Roof Storage Tank
AA-104	T-4	19,756 Gallon Fixed Roof Storage Tank
AA-105	T-5	21,829 Gallon Fixed Roof Storage Tank
AA-106	T-6	19,756 Gallon Fixed Roof Storage Tank
AA-107	T-7	19,432 Gallon Fixed Roof Storage Tank
AA-108	T-8	19,432 Gallon Fixed Roof Storage Tank
AA-109	T-9	19,756 Gallon Fixed Roof Storage Tank
AA-110	T-10	19,432 Gallon Fixed Roof Storage Tank
AA-111	T-11	19,756 Gallon Fixed Roof Storage Tank
AA-112	T-12	10,575 Gallon Fixed Roof Storage Tank
AA-113	T-13	10,575 Gallon Fixed Roof Storage Tank
AA-114	T-14	12,455 Gallon Fixed Roof Storage Tank
AA-115	T-15	19,756 Gallon Fixed Roof Storage Tank
AA-116	T-16	10,234 Gallon Fixed Roof Storage Tank
AA-117	T-17	10,234 Gallon Fixed Roof Storage Tank
AA-124	T-24	21,829 Gallon Fixed Roof Storage Tank
AA-125	T-25	8,813 Gallon Fixed Roof Storage Tank
AA-126	T-26	6,016 Gallon Fixed Roof Storage Tank
AA-127	T-27	6,016 Gallon Fixed Roof Storage Tank
AA-128	T-28	20,404 Gallon Fixed Roof Storage Tank
AA-129	T-29	20,404 Gallon Fixed Roof Storage Tank
AA-130	T-19	22,843 Gallon Fixed Roof Storage Tank

Emission Point	Facility Designation	Description
AA-131	T-30	22,843 Gallon Fixed Roof Storage Tank
AA-132	T-31	22,843 Gallon Fixed Roof Storage Tank
AA-133	T-32	22,843 Gallon Fixed Roof Storage Tank
AA-134	T-33	22,843 Gallon Fixed Roof Storage Tank
AA-135	--	550 gallon portable storage tote tanks #1
	--	550 gallon portable storage tote tanks #2
	--	550 gallon portable storage tote tanks #3
	--	550 gallon portable storage tote tanks #4
AA-136	D-1	310 Gallon Horizontal Storage Tank for Diesel Storage
AA-137	T-34	33,841 Gallon Fixed Roof Storage Tank
AA-138	T-35	33,841 Gallon Fixed Roof Storage Tank
AA-139	T-36	19,500 Gallon Horizontal Storage Tank
AA-140	T-37	19,500 Gallon Horizontal Storage Tank
AA-141	T-39	19,500 Gallon Horizontal Storage Tank
AA-142	T-20	28,785 Gallon Fixed Roof Storage Tank
AA-143	T-21	28,875 Gallon Fixed Roof Storage Tank
AA-144	T-43	11,400 Gallon Blend Tank
AA-145	T-44	11,400 Gallon Blend Tank
AA-146	T-45	11,400 Gallon Blend Tank
AA-147	T-46	11,400 Gallon Blend Tank
AA-148	T-47	11,400 Gallon Fixed Roof Tank
AA-149	T-48	10,000 Gallon Fixed Roof Storage Tank
AA-150	T-49	10,000 Gallon Fixed Roof Storage Tank
AA-151	T-50	10,000 Gallon Fixed Roof Storage Tank
AA-152	T-51	10,000 Gallon Fixed Roof Storage Tank
AA-153	T-52	10,000 Gallon Fixed Roof Storage Tank

Emission Point	Facility Designation	Description
AA-154	T-55	7,400 Gallon Fixed Roof Storage Tank
AA-155	T-56	7,400 Gallon Fixed Roof Storage Tank
AA-156	T-57	7,400 Gallon Fixed Roof Storage Tank
AA-157	T-58	7,400 Gallon Fixed Roof Storage Tank
AA-158	T-62	700 Gallon Blend Tank
AA-159	T-63	700 Gallon Blend Tank
AA-160	T-64	700 Gallon Blend Tank
AA-161	T-65	1,350 Gallon Blend Tank
AA-162	T-67	2,000 Gallon Blend Tank
AA-163	T-68	6,500 Gallon Blend Tank
AA-164	T-69	6,500 Gallon Blend Tank
AA-165	T-66	2,000 Gallon Blend Tank
AA-169	T-76	1,350 Gallon Blend Tank
AA-170	T-77	700 Gallon Blend Tank
AA-171	T-78	350 Gallon Blend Tank
AA-172	T-79	700 Gallon Blend Tank
AA-173	T-80	2,000 Gallon Blend Tank
AA-174	T-81	350 Gallon Blend Tank
AA-175	T-82	2,000 Gallon Blend Tank
AA-176	T-83	2,400 Gallon Blend Tank
AA-180	T-91	11,400 Gallon Blend Tank
AA-181	T-92	5,300 Gallon Blend Tank
AA-182	T-93	5,300 Gallon Blend Tank
AA-183	T-94	4,000 Gallon Blend Tank
AA-184	T-95	4,000 Gallon Blend Tank
AA-185	--	Blend Tanks A through I

Emission Point	Facility Designation	Description
AA-187	--	MX-86 Schold Mixer
AA-189	--	Process Line I
	--	Process Line III
	--	Elf Line
	--	Pail Line
	--	Drum Line
AA-190	--	Trigger Line
AA-191	--	Building 4 Packaging lines A through O and Portable Lines. Acid Packaging emissions will be routed to acid scrubber
AA-192	--	Bulk Truck Loading
AA-193	T-41	11,400 Gallon Fixed Roof Tank
	T-42	11,400 Gallon Fixed Roof Tank
	T-53	7,400 Gallon Blend Tank
	T-54	7,400 Gallon Blend Tank
	T-59	3,500 Gallon Blend Tank
	T-60	1000 Gallon Blend Tank
AA-194	DC-700	Dust Collector for Trigger Building Blend Tanks
AA-195	DC-702	Dust Collector for Building 4 Blend Tanks
AA-200	--	5 Gallon Benchtop Wax Mixer Tank
AA-201	BT-87	72 Gallon Cowles Mixer
AA-202	BT-P03	55 Gallon Portable Blend Tank, CarBrite
AA-203	BT-P02	180 Gallon Portable Blend Tank, CarBrite

Emission Point	Facility Designation	Description
AB-001	HW-B1	Two (2) 1.2 MMBTU/hr Natural Gas-Fired Boilers
	HW-B2	
AB-002	--	3.3 MMBTU/hr Natural Gas-Fired Steam Boiler
AB-003	--	341 HP Diesel Emergency Fire Water Pump Engine
AB-004	--	Aerosol Product Recovery Operation
AB-005	--	Maintenance Solvent Parts Washer
	--	Seven (7) Make Up Air Heaters
AB-006	--	6.9 MMBTU/hr Utica Boiler
AB-010	--	435 HP Cummins Emergency Diesel Generator

SECTION 3 EMISSION LIMITATIONS AND STANDARDS

Emission Point	Applicable Requirement	Condition Number(s)	Pollutant/Parameter	Limitation/Standard
Facility Wide	11 Miss. Admin. Code Pt. 2, R. 1.3.A.	3.1	Smoke	Opacity shall not exceed 40%
	11 Miss. Admin. Code Pt. 2, R. 1.3.B.	3.2		
	11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).	3.3	PM ₁₀	Shall not exceed 10.0 tpy
			VOC	Shall not exceed 99.0 tpy
			HAP (Total)	Shall not exceed 24.9 tpy
			HAP (Individual)	Shall not exceed 9.9 tpy
	11 Miss. Admin. Code Pt. 2, R. 1.3.F(1).	3.4	PM (Filterable only)	$E = 4.1p^{0.67}$
AA-103 AA-105 AA-124 AA-128 AA-129 AA-130 AA-131 AA-132 AA-133 AA-134 AA-137 AA-138 AA-142 AA-143	40 CFR 60, Subpart Kb Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984. 40 CFR 60.110b, Subpart Kb	3.5	VOC	Applicability
	11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).	3.6		Shall not store a VOL with maximum true vapor pressure ≥ 27.6 kPa
AA-191	11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).	3.7	VOC HAP	Operate acid scrubber when emissions may be vented to it
AA-194 AA-195	11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).	3.8	PM (Filterable Only)	Operate dust collector when emissions may be vented to it

Emission Point	Applicable Requirement	Condition Number(s)	Pollutant/Parameter	Limitation/Standard
AB-001 AB-002 AB-003 AB-005 AB-006 AB-010	11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(a).	3.9	PM (Filterable Only)	Shall not exceed 0.6 lbs/MMBtu
AB-001 AB-002 AB-006	11 Miss. Admin. Code Pt. 2, R. 1.4.A(1)	3.10	SO ₂	Shall not exceed 4.8 lbs/MMBtu
	11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).	3.11	Fuel Requirement	Shall combust only natural gas
AB-003 AB-010	40 CFR 63, Subpart ZZZZ National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines	3.12	VOC HAP	Applicability
	40 CFR 63.6590(iii), Subpart ZZZZ			
	40 CFR 63.6625(f), Subpart ZZZZ	3.13		Non-resettable hour meter
	40 CFR 63.6640(f), Subpart ZZZZ	3.14		Limit non-emergency operations to <100 hours per year
	40 CFR 63.6605 and 6640(a), Subpart ZZZZ	3.15		Minimize Emissions and Continuous Compliance

3.1. For the entire facility, the permittee shall not cause, permit, or allow the emission of smoke from a point source into the open air from any manufacturing, industrial, commercial or waste disposal process which exceeds forty (40) percent opacity subject to the exceptions provided in (a) and (b).

- a) Startup operations may produce emissions which exceed forty (40) percent opacity for up to fifteen minutes per startup in any one hour and not to exceed three startups per stack in any twenty-four-hour period.
- b) Emissions resulting from soot blowing operations shall be permitted provided such emissions do not exceed sixty (60) percent opacity, and provided further that the aggregate duration of such emissions during any twenty-four-hour period does not exceed ten minutes per billion BTU gross heating value of fuel in any one hour.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.3.A.)

3.2. For the entire facility, except as otherwise specified or limited herein, the permittee shall not cause, allow, or permit the discharge into the ambient air from any point source or

emissions, any air contaminant of such opacity as to obscure an observer's view to a degree in excess of forty (40) percent opacity, equivalent to that provided in Condition 3.1. This shall not apply to vision obscuration caused by uncombined water droplets.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.3.B.)

- 3.3. For the entire facility, the permittee shall limit the emissions of each criteria pollutant and Hazardous Air Pollutant (HAP) from the facility to less than the following amount, in tons per year (tpy) for each consecutive 12-month period on a rolling basis:

<u>Pollutant</u>	<u>Emissions (tpy)</u>
PM ₁₀	10.0
VOC	99.0
HAPs (Total)	24.0
HAPs (Individual)	9.9

The above limitations shall include aggregate emissions from all sources at the facility.

(Ref.: 11 Miss. Admin. Code Pt. 2, R.2.2.B(10).)

- 3.4. For the entire facility, no person shall cause, permit, or allow the emission of particulate matter in total quantities in any one hour from any manufacturing process, which includes any associated stacks, vents outlets, or combination thereof, to exceed the amount determined by the relationship

$$E = 4.1p^{0.67}$$

Where “E” is the emission rate in pounds per hour and “p” is the process weight input rate in tons per hour.

Conveyor discharge of coarse solid matter may be allowed if no nuisance is created beyond the property boundary where the discharge occurs.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.3.F(1).)

- 3.5. For Emission Points AA-103, AA-105, AA-124, AA-128, AA-129, AA-130, AA-131, AA-132, AA-133, AA-134, AA-137, AA-138, AA-142, and AA-143, the facility is subject to and shall comply with all the applicable conditions of Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984, Subpart Kb.

This subpart applies to each storage vessel with a capacity greater than or equal to 75 cubic meters (m³) that is used to store volatile organic liquids (VOL) for which construction, reconstruction, or modification is commenced after July 23, 1984.

This subpart does not apply to storage vessels with a capacity greater than or equal to 151 m³ storing a liquid with a maximum true vapor pressure less than 3.5 kilopascals (kPa) or with a capacity greater than or equal to 75 m³ but less than 151 m³ storing a liquid with a maximum true vapor pressure less than 15.0 kPa.

(Ref.: 40 CFR 60.110b(a) and (b), Subpart Kb.)

- 3.6. For Emission Points AA-103, AA-105, AA-124, AA-128, AA-129, AA-130, AA-131, AA-132, AA-133, AA-134, AA-137, AA-138, AA-142, and AA-143, the permittee shall not store any VOLs with a Maximum True Vapor Pressure (MTVP) greater than 27.6 kPa.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(10), and 40 CFR 60.112b(a), Subpart Kb.)

- 3.7. For For Emission Point AA-191, the permittee shall operate and maintain the acid scrubber when emissions may be vented to it.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).)

- 3.8. For Emission Points AA-194 and AA-195, the permittee shall operate the dust collectors when emissions may be vented to them.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).)

- 3.9. For Emission Points AB-001, AB-002, AB-003, AB-005, AB-006, and AB-010, the maximum permissible emission of ash and/or particulate matter from each fossil fuel burning installation of less than 10 million BTU per hour heat input shall not exceed 0.6 pounds per million BTU per hour heat input.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(a).)

- 3.10. For Emission Points AB-001, AB-002, and AB-006, the maximum discharge of sulfur oxides for 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 BUT heat input.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.4.A(1).)

- 3.11. For Emission Points AB-001, AB-002, and AB-006, the permittee shall only burn natural gas.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).)

- 3.12. For Emission Points AB-003 and AB-010, the facility is subject to and shall comply with all the applicable conditions of National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, Subpart ZZZZ. Emission Point AB-003 is an existing 341 Horsepower (HP) -Compression Ignition (CI), self-starting emergency fire water pump. Emission Point AB-010 is a 435 HP CI, diesel fueled emergency generator.

(Ref.: 40 CFR 63.6590(iii), Subpart ZZZZ.)

- 3.13. For Emission Points AB-003 and AB-010, the permittee shall install a non-resettable hour meter if one is not already installed.

(Ref.: 40 CFR 63.6625(f), Subpart ZZZZ)

- 3.14. For Emission Points AB-003 and AB-010, the permittee shall operate the emergency stationary engine according to the requirements cited below. In order for the engine to be considered an emergency stationary engine, any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as described below, is prohibited. If the engine is not operated according to these requirements, the engine will not be considered an emergency engine under Subpart ZZZZ and shall meet all requirements for non-emergency engines.

- (a) There is no time limit on the use of emergency stationary RICE in emergency situations.
- (b) The engine may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The permittee may petition DEQ 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 engine beyond 100 hours per calendar year.
- (c) The permittee may operate the emergency RICE 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.

(Ref.: 40 CFR 63.6640(f) and 63.6675, Subpart ZZZZ)

- 3.15 For Emission Points AB-003 and AB-010, the permittee shall be in compliance with the applicable emission limitations, operating limitations, and other requirements in 40 CFR 63, Subpart ZZZZ at all times. At all times, the engine shall be operated and maintained, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing

emissions. The general duty to minimize emissions does not require any further efforts to reduce emissions if levels required by Subpart ZZZZ have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the DEQ 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.

(Ref.: 40 CFR 63.6605 and 63.6640(a), Subpart ZZZZ)

SECTION 4 WORK PRACTICES

Emission Point	Applicable Requirement	Condition Number(s)	Pollutant/Parameter	Work Practice
AB-003 AB-010	40 CFR 63.6603(a) and Table 2d, Subpart ZZZZ	4.1	VOC HAP	Perform engine maintenance
	40 CFR 63 Table 6 Item 9, Subpart ZZZZ	4.2		Maintain engine according to manufacturer's specifications
	40 CFR 63.6625(h), Subpart ZZZZ	4.3		Minimize startup time

4.1. For Emission Points AB-003 and AB-010, the permittee shall:

- (a) Change oil and filter every 500 hours of operation or annually, whichever comes first;
- (b) Inspect spark plugs every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; and
- (c) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary

As per 40 CFR 63.6625(i), the permittee also has the option of utilizing an oil analysis program in order to extend the above specified oil change requirement. The oil analysis must be performed at the same frequency specified for changing the oil. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content.

If the engine is operating during an emergency and it is not possible to shut down the engine in order to perform the work practices according to the schedule listed in (a)–(c) above, or if performing the work practice on the required schedule would otherwise pose an unacceptable risk under Federal, State, or local law, the work practice can be delayed until the emergency is over or the unacceptable risk under Federal, State, or local law has abated. The work practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under Federal, State, or local law has abated.

(Ref.: 40 CFR 6603(a) and Item 4 of Table 2d, Subpart ZZZZ)

4.2. For Emission Points AB-003 and AB-010, the permittee shall:

- (a) Operate and maintain the stationary RICE according to the manufacturer's emission related operation and maintenance instructions; or

- (b) Develop and follow your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions

(Ref.: 40 CFR 63.6625(e)(3), Item 9 of Table 6, Subpart ZZZZ)

- 4.3. For Emission Points AB-003 and AB-010, the permittee shall minimize the engine's time spent idle during startup and minimize the startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes.

(Ref.: 40 CFR 63.6625(h), Subpart ZZZZ)

SECTION 5 MONITORING AND RECORDKEEPING REQUIREMENTS

Emission Point	Applicable Requirement	Condition Number(s)	Pollutant/Parameter	Monitoring/Recordkeeping Requirement
Facility-Wide	11 Miss. Admin. Code Pt. 2, R. 2.9.	5.1	Recordkeeping	Maintain records for a minimum of 5 years.
	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	5.2		Maintain monthly emissions calculations
AA-103 AA-105 AA-124 AA-128 AA-129 AA-130 AA-131 AA-132 AA-133 AA-134 AA-137 AA-138 AA-142 AA-143	40 CFR 60.116b(b), Subpart Kb	5.3	Recordkeeping	Maintain logs of tank dimensions analysis
	40 CFR 60.116b(c), Subpart Kb	5.4		Maintain logs of materials stored
AA-191	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	5.5	Recordkeeping	Maintain logs of maintenance
AA-194 AA-195		5.6		
AB-003 AB-010	40 CFR 63.6655(f)(2), Subpart ZZZZ	5.7	Recordkeeping	Maintain hours of operation
	40 CFR 63.6655(a)(1), (2), and (5), and (e)(3), Subpart ZZZZ	5.8		Recordkeeping Requirement

- 5.1 The permittee shall retain all required records, monitoring data, supporting 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.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.9.)

- 5.2 The permittee shall maintain readily accessible records demonstrating compliance with the emissions limitations required by Condition 3.3. These emissions include, but are not limited to: monitoring and recording of the total PM emission rate, total VOC emission rate, the emission rate of each individual HAP, and the total HAP emission rate in tpy for

each 12-month period on a rolling basis. The permittee shall determine the following for each VOC or HAP containing material used and maintain sufficient records to document:

- (a) The identification of each VOC or HAP containing material and the total gallons of each VOC or HAP material used on a monthly basis and in each consecutive 12-month period on a rolling basis;
- (b) The VOC and HAP content(s) of each material used. A description of the methods used to determine the VOC and HAP content shall accompany this data. The permittee may utilize data supplied by the manufacturer, or analysis of VOC and HAP 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;
- (c) The density of each VOC or HAP containing material used;
- (d) The total VOC emission rate, the emission rate of each individual HAP and the total HAP emission rate in tons/year for each consecutive 12-month period on a rolling basis.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).)

- 5.3. For Emission Points AA-103, AA-105, AA-124, AA-128, AA-129, AA-130, AA-131, AA-132, AA-133, AA-134, AA-137, AA-138, AA-142, and AA-143, the permittee shall, for the life of the storage vessel, keep readily accessible records showing the dimension of each storage vessel and an analysis showing the capacity of the storage vessel.

(Ref.: 40 CFR 60.116b(b), Subpart Kb.)

- 5.4. For Emission Points AA-103, AA-105, AA-124, AA-128, AA-129, AA-130, AA-131, AA-132, AA-133, AA-134, AA-137, AA-138, AA-142, and AA-143, the permittee shall maintain records of each VOL stored, the period of storage, and the maximum true vapor pressure of each VOL during the respective storage period for a minimum of at least two (2) years.

(Ref.: 40 CFR 60.116b(c), Subpart Kb.)

- 5.5. For Emission Point AA-191, maintenance shall be performed according to the manufacturer's specifications or other written O&M procedures developed and maintained on site. The maintenance procedures and a log of all maintenance activity on the scrubber shall be recorded and made available for review by DEQ personnel.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).)

- 5.6. For Emission Points AA-194 and AA-195, maintenance shall be performed according to the manufacturer's specifications or other written O&M procedures developed and

maintained on-site. The maintenance procedures and a log of all maintenance activity on the dust collector shall be recorded and made available for review by DEQ personnel.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).)

- 5.7. For Emission Points AB-003 and AB-010, the permittee shall keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter required in Condition 3.13. 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. If the engine is used for the purposes specified in Condition 3.14(b), the owner or operator must keep records of the notification of the emergency situation, and the date, start time, and end time of engine operation for these purposes.

(Ref.: 40 CFR 63.6655(f)(2), Subpart ZZZZ)

- 5.8. For Emission Points AB-003 and AB-010, the permittee shall maintain the following records and keep each readily accessible for at least five years after the date of each occurrence:

- (a) A copy of each notification and report submitted to comply with 40 CFR 63, Subpart ZZZZ, including all documentation supporting any Initial Notification or Notification of Compliance Status that was submitted, according to the requirement in 40 CFR 63.10(b)(2)(xiv).
- (b) Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment.
- (c) Records of actions taken during periods of malfunction to minimize emissions in accordance with Condition 3.15, including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.
- (d) Records of the maintenance conducted on the stationary RICE in order to demonstrate that the engine and after-treatment control device (if any) was operated and maintained according to the maintenance plan required in Condition 4.2.

(Ref.: 40 CFR 63.6655(a)(1), (2), and (5), and (e)(3), Subpart ZZZZ)

SECTION 6 REPORTING REQUIREMENTS

Emission Point	Applicable Requirement	Condition Number(s)	Reporting Requirement
Facility-Wide	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	6.1	Report permit deviations within five (5) working days.
	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	6.2	Submit certified annual monitoring report.
	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	6.3	All documents submitted to MDEQ shall be certified by a Responsible Official.
	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	6.4	Submit emissions calculations logs
AA-103 AA-105 AA-124 AA-128 AA-129 AA-130 AA-131 AA-132 AA-133 AA-134 AA-137 AA-138 AA-142 AA-143	40 CFR 60.116b(d), Subpart Kb	6.5	Report maximum true vapor pressure exceedances
AB-003 AB-010	40 CFR 63.6640(b) and 63.6650(a) through (d), Subpart ZZZZ	6.6	Report deviations
	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	6.7	Report hours of operation

6.1 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.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).)

6.2 Except as otherwise specified herein, the permittee shall submit a certified annual synthetic minor monitoring report postmarked no later than 31st of January for the preceding calendar year. This report shall address any required monitoring specified in the permit. All instances of deviations from permit requirements must be clearly

identified in the report. Where no monitoring data is required to be reported and/or there are no deviations to report, the report shall contain the appropriate negative declaration.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).)

- 6.3 Any document required by this permit to be submitted to the MDEQ shall contain a certification signed by a responsible official stating that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).)

- 6.4 The permittee shall submit a report in accordance with 6.2 that contains the information from Condition 5.2 including any records of emissions.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).)

- 6.5 For Emission Points AA-103, AA-105, AA-124, AA-128, AA-129, AA-130, AA-131, AA-132, AA-133, AA-134, AA-137, AA-138, AA-142, and AA-143, the permittee shall report to MDEQ within 30 days when the maximum true vapor pressure of a liquid exceeds a maximum true vapor pressure of 27.6 kPa as required by Condition 3.6.

(Ref.: 40 CFR 60.116b(d), Subpart Kb. and 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).)

- 6.6 For Emission Points AB-003 and AB-010, the permittee shall submit a report in accordance with Condition 6.2 of each instance in which an applicable operating limitation in Condition 4.1 was not met. These deviations shall be reported according to the following requirements:

- (a) If there were no deviations from any applicable emission limitations or operating limitations, a statement shall be included that there were no deviations from the emission limitations or operating limitations during the reporting period; or
- (b) If there was a deviation from any emission limitation or operating limitation during the reporting period, then the compliance report shall contain the following information:
 - (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) The total operating time of the stationary RICE at which the deviation occurred during the reporting period.
 - (5) Information on the number, duration, and cause of deviations (including unknown cause, if applicable), as applicable, and the corrective action taken.
- (c) If there was a malfunction during the reporting period, the compliance report shall 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 shall also include a description of actions taken by the permittee during a malfunction of an affected source to minimize emissions, including actions taken to correct a malfunction.

(Ref.: 40 CFR 63.6640(b) and 63.6650(a) through (d), Subpart ZZZZ)

- 6.7 For Emission Points AB-003 and AB-010, the permittee shall submit a summary report in accordance with 6.2 of the hours of operation that includes all the information required by Condition 5.7.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).)