



## State of Mississippi



### FEDERALLY ENFORCEABLE AIR POLLUTION CONTROL PERMIT

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

#### **THIS CERTIFIES**

Platte Chemical Co dba Loveland Products

917 Platte Road

Greenville, MS

Washington 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**

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**Mississippi Department of Environmental Quality**

Issued/Modified: AUG 09 2013

Expires: DEC 31 2017

Permit No. 2800-00008

Agency Interest # 7580



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

Platte Chemical Co dba Loveland Products

Subject Item Inventory

Permit Number:2800-00008

Activity ID No.: PER20130001

### Subject Item Inventory:

ID	Designation	Description
AREA6	AA-008	Liquid Herbicide Unit No. 1
AREA7	AA-009	Glyphosate Formulation Unit with VOC's from the mixing tanks controlled by a sulfuric acid scrubber
AREA8	AA-013	Liquid Herbicide Unit No. 2
AREA9	AA-014	Liquid Herbicide Unit No. 3
AREA10	AA-015	Liquid Herbicide Unit No. 4
AREA11	AA-017	Liquid Insecticide/Fungicide Unit No. 1
AREA12	AA-018	Liquid Insecticide/Fungicide Unit No. 2
AREA13	AA-019	Liquid Insecticide/Fungicide Unit No. 3
AREA14	AA-021	Liquid Insecticide/Fungicide Unit No. 4 (including Tank Truck Loading Rack)
EQPT5	AA-004	8.5 MMBtu/hr Natural Gas-Fired Boiler for the Liquid Herbicide Units
EQPT6	AA-020	6 MMBtu/hr Natural Gas-Fired Boiler for the Liquid Insecticide/Fungicide Units
EQPT8	AA-024	1.2 MMBtu/hr Natural Gas-Fired Process Heater for Liquid Insecticide/Fungicide Plant
EQPT9	AT-101	Vertical, Fixed Roof Tank, 24,500 gallon, Glyphosate Unit (ID No. Gly T-1)
EQPT10	AT-102	Vertical, Fixed Roof Tank, 24,500 gallon, Glyphosate Unit (ID No. Gly T-2)
EQPT11	AT-103	Vertical, Fixed Roof Tank, 24,500 gallon, Glyphosate Unit (ID No. Gly T-3)
EQPT12	AT-104	Vertical, Fixed Roof Tank, 24,500 gallon, Glyphosate Unit (ID No. Gly T-4)
EQPT13	AT-105	Vertical, Fixed Roof Tank, 29,500 gallon, Gyphosate Unit (ID No. Gly T-5)
EQPT14	AT-106	Vertical, Fixed Roof Tank, 29,500 gallon, Glyphosate Unit (ID No. Gly T-6)
EQPT15	AT-107	Vertical, Fixed Roof Tank, 24,500 gallon, Glyphosate Unit (ID No. Gly T-7)
EQPT16	AT-108	Vertical, Fixed Roof Tank, 24,500 gallon, Glyphosate Unit (ID No. Gly T-8)
EQPT17	AT-201	Vertical, Fixed Roof, 6,000 gallon, Surfactant Storage (ID No. C-1)
EQPT19	AT-202	Horizontal, Fixed Roof, Pressurized, 30,000 gallon, Isopropylamine Storage Tank (ID No. T-9A)



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ID	Designation	Description
EQPT20	AT-203	Horizontal, Fixed Roof, Pressurized, 30,000 gallon, Dimethylamine Storage Tank (ID No. T-9B)
EQPT18	AT-301	Vertical, Fixed Roof Tank, 18,000 gallon, Liquid Herbicide Unit (ID No. LH T-1)
EQPT22	AT-302	Vertical, Fixed Roof Tank, 18,000 gallon, Liquid Herbicide Unit (ID No. LH T-2)
EQPT23	AT-303	Vertical, Fixed Roof Tank, 18,000 gallon, Liquid Herbicide Unit (ID No. LH T-3)
EQPT24	AT-304	Vertical, Fixed Roof Tank, 18,000 gallon, Liquid Herbicide Unit (ID No. LH T-4)
EQPT25	AT-305	Vertical, Fixed Roof Tank, 22,000 gallon, Liquid Herbicide Unit (ID No. LH T-5)
EQPT26	AT-306	Vertical, Fixed Roof Tank, 6,663 gallon, Liquid Herbicide Unit (ID No. LH T-6)
EQPT27	AT-307	Vertical, Fixed Roof Tank, 9,306 gallon, Liquid Herbicide Unit (ID No. LH T-8)
EQPT29	AT-308	Vertical, Fixed Roof Tank, 9,306 gallon, Liquid Herbicide Unit (ID No. LH T-9)
EQPT30	AT-309	Vertical, Fixed Roof Tank, 5,500 gallon, Liquid Herbicide Unit (ID No. LH T-10)
EQPT31	AT-310	Vertical, Fixed Roof Tank, 10,000 gallon, Liquid Herbicide Unit (ID No. LH T-11)
EQPT32	AT-311	Vertical, Fixed Roof Tank, 6,000 gallon, Liquid Herbicide Unit (ID No. LH T-12)
EQPT33	AT-312	Vertical, Fixed Roof Tank, 6,000 gallon, Liquid Herbicide Unit (ID No. LH T-13A)
EQPT34	AT-313	Vertical, Fixed Roof Tank, 6,000 gallon, Liquid Herbicide Unit (ID No. LH T-13B)
EQPT35	AT-314	Vertical, Fixed Roof Tank, 6,000 gallon, Liquid Herbicide Unit (ID No. LH T-13C)
EQPT36	AT-315	Vertical, Fixed Roof Tank, 6,000 gallon, Liquid Herbicide Unit (ID No. LH T-13D)
EQPT37	AT-316	Vertical, Fixed Roof Tank, 6,000 gallon, Liquid Herbicide Unit (ID No. LH T-14)
EQPT38	AT-317	Vertical, Fixed Roof Tank, 9,500 gallon, Liquid Herbicide Unit (ID No. LH T-15)
EQPT39	AT-318	Vertical, Fixed Roof Tank, 7,144 gallon, Liquid Herbicide Unit (ID No. LH T-24)
EQPT40	AT-319	Vertical, Fixed Roof Tank, 9,988 gallon, Liquid Herbicide Unit (ID No. LH T-25)
EQPT51	AT-320	Vertical, Fixed Roof Tank, 30,000 gallon, Liquid Herbicide Unit (ID No. LH T-M1)
EQPT52	AT-321	Vertical, Fixed Roof Tank, 30,000 gallon, Liquid Herbicide Unit (ID No. LH T-M2)
EQPT53	AT-322	Vertical, Fixed Roof Tank, 30,000 gallon, Liquid Herbicide Unit (ID No. LH T-M3)



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ID	Designation	Description
EQPT54	AT-323	Vertical, Fixed Roof Tank, 22,000 gallon, Liquid Herbicide Unit (ID No. LH T-M4)
EQPT55	AT-324	Vertical, Fixed Roof Tank, 27,000 gallon, Liquid Herbicide Unit (ID No. LH T-G)
EQPT56	AT-325	Vertical, Fixed Roof Tank, 22,500 gallon, Liquid Herbicide Unit (ID No. LH T-BB)
EQPT21	AT-401	Vertical, Fixed Roof Tank, 9,300 gallon, Liquid Insecticide/Fungicide Unit (ID No. LIF T-1)
EQPT41	AT-402	Vertical, Fixed Roof Tank, 9,300 gallon, Liquid Insecticide/Fungicide Unit (ID No. LIF T-2)
EQPT43	AT-403	Vertical, Fixed Roof Tank, 9,300 gallon, Liquid Insecticide/Fungicide Unit (ID No. LIF T-3)
EQPT44	AT-404	Vertical, Fixed Roof Tank, 9,300 gallon, Liquid Insecticide/Fungicide Unit (ID No. LIF T-4)
EQPT45	AT-405	Vertical, Fixed Roof Tank, 8,800 gallon, Liquid Insecticide/Fungicide Unit (ID No. LIF T-5)
EQPT46	AT-406	Vertical, Fixed Roof Tank, 9,000 gallon, Liquid Insecticide/Fungicide Unit (ID No. LIF T-6)
EQPT47	AT-407	Vertical, Fixed Roof Tank, 9,300 gallon, Liquid Insecticide/Fungicide Unit (ID No. LIF T-7)
EQPT48	AT-408	Vertical, Fixed Roof Tank, 9,300 gallon, Liquid Insecticide/Fungicide Unit (ID No. LIF T-8)
EQPT49	AT-409	Vertical, Fixed Roof Tank, 9,300 gallon, Liquid Insecticide/Fungicide Unit (ID No. LIF T-9)
EQPT50	AT-410	Vertical, Fixed Roof Tank, 9,500 gallon, Liquid Insecticide/Fungicide Unit (ID No. LIF T-10)
EQPT57	AT-411	Vertical, Fixed Roof Tank, 4,500 gallon, Liquid Insecticide/Fungicide Unit (ID No. LIF TS-210)
AI7580	7580	Herbicide, insecticide, and fungicide formulation

### Subject Item Groups:

ID	Description	Components
GRPT5	Natural Gas Fired Equipment	EQPT5 8.5 MMBtu/hr Natural Gas-Fired Boiler for the Liquid Herbicide Units
		EQPT6 6 MMBtu/hr Natural Gas-Fired Boiler for the Liquid Insecticide/Fungicide Units



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ID	Description	Components
GRPT5	Natural Gas Fired Equipment	EQPT8 1.2 MMBtu/hr Natural Gas-Fired Process Heater for Liquid Insecticide/Fungicide Plant

### **KEY**

ACT = Activity

AREA = Area

CONT = Control Device

IA = Insignificant Activity

PCS = PCS

TRMT = Treatment

AI = Agency Interest

CAFO = Concentrated Animal Feeding Operation

EQPT = Equipment

MAFO = Animal Feeding Operation

RPNT = Release Point

WDPT = Withdrawal Point



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### AREA0000000007 (AA-009) Glyphosate Formulation Unit with VOC's from the mixing tanks controlled by a sulfuric acid scrubber:

#### Record-Keeping Requirements:

Condition No.	Condition
R-1	Recordkeeping Requirements: The permittee shall maintain sufficient records to demonstrate the full implementation of the Glyphosate Process Isopropylamine Emissions Minimization Plan. [APC-S-2 II.B(10)]

#### Narrative Requirements:

Condition No.	Condition
T-1	<p>Glyphosate Process Isopropylamine Emissions Minimization Plan:</p> <p>The permittee shall continue to implement a plan for minimizing emissions of isopropylamine (IPA) from fugitive sources, including equipment leaks, transfer operations, and pressure relief valves. At a minimum, the plan shall include the following:</p> <ul style="list-style-type: none"><li>(a) A schedule for preventive maintenance, which shall include checking valves, seals, connections, etc. on a regular basis;</li><li>(b) Routine monitoring of IPA storage and transfer areas for odor causing leaks;</li><li>(c) An action plan for responding to any leaks or spills, including a timeline for repairing leaks; and</li><li>(d) Procedures for minimizing emissions and spills during unloading operation.</li></ul> <p>Updates or revisions to the plan shall be made as necessary and submitted to MDEQ. The plan must be made available to MDEQ inspectors for review at the time of an on site inspection. [APC-S-2 II.B(10)]</p>



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### AI0000007580 (7580) Herbicide, insecticide, and fungicide formulation :

#### Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Opacity	Opacity: Except as otherwise specified or limited herein, no person shall 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) & (b). (a) Startup operations may produce emissions which exceed 40% opacity for up to fifteen (15) minutes per startup in any one hour and not to exceed three (3) startups per stack in any twenty-four (24) hour period. (b) Emissions resulting from soot blowing operations shall be permitted provided such emissions do not exceed 60 percent opacity, and provided further that the aggregate duration of such emissions during any twenty-four (24) hour period does not exceed ten (10) minutes per billion BTU gross heating value of fuel in any one hour. [APC-S-1 3.1]
L-2	Opacity	Opacity: Except as otherwise specified or limited herein, No person shall 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 40% opacity, equivalent to that provided in Condition L-1 above. This shall not apply to vision obscuration caused by uncombined water droplets. [APC-S-1 3.2]
L-3		Facility-Wide Emission Limitations: The permittee shall not emit more than 99.0 tons per year of volatile organic compounds (VOC) during any rolling 12-month period. [APC-S-2 II.B(10)]

#### Record-Keeping Requirements:

Condition No.	Condition
R-1	To demonstrate compliance with the facility-wide VOC emission limitation, the permittee shall document the VOC emission rates in tons/month and tons/year on a rolling 12-month basis. [APC-S-2 II.B(10)]
R-2	Recordkeeping Requirements: 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. [APC-S-2 II.B(10)]



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### AI0000007580 (continued):

#### Submittal/Action Requirements:

Condition No.	Condition
S-1	General Condition: Except as otherwise specified herein, the permittee shall report all deviations from permit requirements, including those attributable to upsets, the probable cause of such deviations, and any corrective actions or preventive measures taken. Said report shall be made within five (5) working days of the time the deviation began. [APC-S-2 II.B(10)]
S-2	Except as otherwise specified herein, the permittee shall Submit a certified annual synthetic minor monitoring report: Due annually by the 1st of March. This report shall include facility-wide VOC emission rates in tons/month and tons/year on a rolling 12-month basis. [APC-S-2 II.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. [APC-S-2 V.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 Regulation APC-S-1, "Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants," Section 10. [APC-S-1 Section 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. [APC-S-2 X]



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### AI0000007580 (continued):

#### 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. [APC-S-2 II.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. [APC-S-2 II.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. [APC-S-2 II.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 emissions equipment, or from compliance with the applicable statutes of the State, or with local laws, regulations, or ordinances. [APC-S-2 II.B(7)]</p>



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### AI0000007580 (continued):

#### Narrative Requirements:

Condition No.	Condition
T-12	General Condition: This permit may only be transferred upon approval of the Mississippi Environmental Quality Permit Board. [APC-S-2 XVI.B]
T-13	General Condition: This permit is for air pollution control purposes only. [APC-S-2 I.D(1)]
T-14	General Condition: This permit is a Federally-approved permit to operate a synthetic minor source as described in Regulation APC-S-2, Section IV.D. [APC-S-2 IV.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. [APC-S-2 I.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. [APC-S-2 II.B(15)d]



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**AI0000007580 (continued):**

### Narrative Requirements:

Condition No.	Condition
T-17	<p>General Condition: This permit does not authorize a modification as defined in APC-S-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 52.21 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 52.21, 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" [APC-S-2 I.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. [APC-S-2 II.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. [APC-S-2 IX]</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. [APC-S-2 II.B(5)]</p>



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**AI0000007580 (continued):**

### Narrative Requirements:

Condition No.	Condition
T-21	<p>General Condition: Emergencies</p> <p>(a) Except as otherwise specified herein, an emergency means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under the permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.</p> <p>(b) An emergency constitutes an affirmative defense to an action brought for noncompliance with such technology-based emission limitations if the conditions specified in (c) following are met.</p> <p>(c) The affirmative defense of emergency shall be demonstrated through properly signed contemporaneous operating logs, or other relevant evidence as follows: (i) an emergency occurred and that the permittee can identify the cause(s) of the emergency; (ii) the permitted facility was at the time being properly operated; (iii) during the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and (iv) the permittee submitted notice of the emergency to MDEQ within two (2) working days of the time when emission limitations were exceeded due to the emergency which contained a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.</p> <p>(d) In any enforcement proceeding, the permittee seeking to establish the occurrence of any emergency has the burden of proof.</p> <p>(e) This provision is in addition to any emergency or upset provision contained in any applicable requirement specified elsewhere herein [APC-S-2 II.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. [APC-S-1 Section 10]</p>



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### AI0000007580 (continued):

#### Narrative Requirements:

Condition No.	Condition
T-23	<p>General Condition: Startups and Shutdowns</p> <p>(a) Startups and shutdowns are part of normal source operation. Emissions limitations applicable to normal operation apply during startups and shutdowns except as follows: (i) when sudden, unavoidable breakdowns occur during a startup or shutdown, the event may be classified as an upset subject to the requirements above; (ii) when a startup or shutdown is infrequent, the duration of excess emissions is brief in each event, and the design of the source is such that the period of excess emissions cannot be avoided without causing damage to equipment or persons; or (iii) when the emissions standards applicable during a startup or shutdown are defined by other requirements of Applicable Rules and Regulations or any applicable permit.</p> <p>(b) In any enforcement proceeding, the permittee seeking to establish the applicability of any exception during a startup or shutdown has the burden of proof.</p> <p>(c) In the event this startup and shutdown provision conflicts with another applicable requirement, the more stringent requirement shall apply. [APC-S-1 Section 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. [APC-S-1 Section 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. [APC-S-2 VIII]</p>
T-26	<p>The permittee shall not formulate any product which may cause an increase in emissions of total VOC's and/or total HAP's in excess of those calculated in the application without first obtaining written approval from MDEQ. [APC-S-2 II.B(10)]</p>



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### AI0000007580 (continued):

#### Narrative Requirements:

Condition No.	Condition
T-27	At all times, the permittee shall maintain sufficient equipment on site as necessary to repair and/or replace the air pollution control equipment. [APC-S-2 II.B(10)]
T-28	The permittee shall minimize dust from truck traffic on unpaved access and in-plant roads by water sprinkling or other equivalent dust suppression method when conditions warrant. [APC-S-2 II.B(10)]
T-29	The permittee shall perform regular inspection and any required maintenance each week or more often if necessary to maintain proper operation of the pollution control equipment. Records of weekly inspections and any maintenance work shall be kept in log form and must be made available upon request during any inspection by MDEQ personnel. [APC-S-2 II.B(10)]



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

Platte Chemical Co dba Loveland Products

Facility Requirements

Permit Number:2800-00008

Activity ID No.: PER20130001

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### GRPT0000000005 Natural Gas Fired Equipment:

#### Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Particulate Matter	Particulate Matter: 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. [APC-S-1 3.4.a(1)]
L-2	Sulfur Dioxide	Sulfur Dioxide: The maximum discharge of sulfur dioxides 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. [APC-S-1 4.1(a)]



## GENERAL INFORMATION

Platte Chemical Co dba Loveland Products  
917 Platte Road  
Greenville, MS  
Washington County

### Alternate/Historic Identifiers

ID	Alternate/Historic Name	User Group	Start Date	End Date
7580	Loveland Products	Official Site Name	6/21/2012	
280000008	Platte Chemical Company	Air-Construction	10/11/1983	10/11/1983
280000008	Platte Chemical Company	Air-Construction	12/17/1991	
280000008	Platte Chemical Company	Air-Synthetic Minor Operating	5/17/2000	4/30/2005
MS0044962	Platte Chemical Company	Water - NPDES	4/9/1996	4/8/2001
2815100008	Platte Chemical Co dba Loveland Products	Air-AIRS AFS	10/11/1983	
MS0044962	Platte Chemical Company	Water - NPDES	5/15/2001	4/30/2006
MSD066106923	Platte Chemical Company	Hazardous Waste-EPA ID	1/27/1997	
280000008	Platte Chemical Company	Air-Synthetic Minor Operating	2/13/2007	1/31/2012
MS0044962	Platte Chemical Company	Water - NPDES	2/13/2007	1/31/2012
7580	Platte Chemical Company	Air-Notification	7/8/2009	
7580 001	Platte Chemical Company	GARD	12/7/1981	
7580 001	Thompson Hayward Chemical Company	GARD	12/7/1981	
7580	Platte Chemical Company Warehouse	Air-Notification	10/25/2010	
7580	Platte Chemical Company	Historic Site Name	8/16/1983	6/21/2012
280000008	Platte Chemical Co dba Loveland Products	Air-Synthetic Minor Operating	1/23/2013	12/31/2017
MSS061964	Platte Chemical Co dba Loveland Products	Water - NPDES	1/23/2013	12/31/2017

**Basin:** Yazoo River Basin



## **GENERAL INFORMATION**

**Location Description:**PG- Plant Entrance (General). Data collected by David Hall on 11/16/2005.