

State of Mississippi Air Pollution Control

PERMIT TO OPERATE AIR EMISSIONS EQUIPMENT

THIS CERTIFIES THAT

Hercules, Incorporated
West 7th Street
Hattiesburg, Mississippi

has been granted permission to operate air emissions equipment in accordance with emission limitations, monitoring requirements and other conditions set forth herein. This permit is issued in accordance with the provisions of the Mississippi Air and Water Pollution Control Law (Section 49-17-1 et seq., Mississippi Code of 1972), and the regulations and standards adopted and promulgated thereunder.

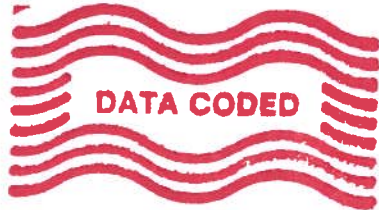
Issued this 13th day of May, 19 80

AIR AND WATER POLLUTION CONTROL PERMIT BOARD

Executive Director

Expires 1st day of May, 19 83

Permit No. 0800-00001



PART I
GENERAL CONDITIONS

1. All emissions authorized herein shall be consistent with the terms and conditions of this permit. The discharge of any air pollutant identified in this permit more frequently than or at a level in excess of that authorized shall constitute a violation of the permit. Any anticipated facility expansions or modifications which will result in new, different, or increased emission of air pollutants must be reported by submission of a new application.
2. 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.
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.
4. Any diversion from or bypass of collection and control facilities is prohibited except (i) where unavoidable to prevent loss of life or severe property damage or (ii) when approved by the Mississippi Air and Water Pollution Control Permit Board.
5. Whenever any emergency, accidental or excessive discharge of air contaminants occurs, the office of the Mississippi Air and Water Pollution Control Commission shall be notified immediately of all information concerning cause of the discharge, point of discharge, volume and characteristics, and whether discharge is continuing or stopped.
6. Should the Executive Director of the Mississippi Air and Water Pollution Control Commission declare an Air Pollution Emergency Episode, the permittee will be required to operate in accordance with the permittee's previously approved Emissions Reduction Schedule.
7. The permittee shall allow the Mississippi Air and Water Pollution Control Commission and the Mississippi Air and Water Pollution Control 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.

PART I

Page ³ of 34
Permit No. 0800-00001

8. After notice and opportunity for a hearing, this permit may be modified, suspended, or revoked in whole or in part during its term for cause including, but not limited to:
 - a. Violation of any terms or conditions of this permit;
 - b. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or
 - c. A change in any condition that required either a temporary or permanent reduction or elimination of authorized air emissions.
9. 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 Air and Water Pollution Control Permit Board.
10. Except for data determined to be confidential under the Mississippi Air and 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 Air and Water Pollution Control Commission.
11. 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.
12. 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.
13. This permit is non-transferable.
14. This permit is for air pollution control purposed only.

PART II

Page 4 of 34
Permit No. 0800-00001

PART II
EMISSION LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning May 13, 1980, and lasting until
May 1, 1983, the permittee is authorized to operate air emissions
equipment and emit air contaminants from mill room, extractor house, refinery,
still house, and pexite plant, Emission Point 001.

Such air emissions equipment shall be operated as efficiently as possible to provide the
maximum reduction of air contaminants.

PART II

Page 5 of 34
Permit No. 0800-00001

PART II
EMISSION LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning May 13, 1980, and lasting until
May 1, 1983, the permittee is authorized to operate air emissions
equipment and emit air contaminants from the Herchlor Plant, Emission
Point 002.

Such air emissions equipment shall be operated as efficiently as possible to provide the
maximum reduction of air contaminants.

PART II

Page 6 of 34
Permit No. 0800-00001

PART II
EMISSION LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning May 13, 1980, and lasting until
May 1, 1983, the permittee is authorized to operate air emissions
equipment and emit air contaminants from the Delnav Plant, Emission
Point 005.

Such air emissions equipment shall be operated as efficiently as possible to provide the
maximum reduction of air contaminants.

PART II
EMISSION LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning May 13, 1980, and lasting until
May 1, 1983, the permittee is authorized to operate air emissions
equipment and emit air contaminants from the Poly-Pale Plant, Emission
Point 006.

Such air emissions equipment shall be operated as efficiently as possible to provide the
maximum reduction of air contaminants.

PART II

Page 8 of 34

Permit No. 0800-00001

PART II
EMISSION LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning May 13, 1980, and lasting until
May 1, 1983, the permittee is authorized to operate air emissions
equipment and emit air contaminants from the Rosin Shed, Emission
Point 008.

Such air emissions equipment shall be operated as efficiently as possible to provide the
maximum reduction of air contaminants.

PART II
EMISSION LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning May 13, 1980, and lasting until
May 1, 1983, the permittee is authorized to operate air emissions
equipment and emit air contaminants from Woodwaste Boilers No. 1 & No. 2,
Emission Point 009.

Such emissions shall be limited and monitored by the permittee as specified below:

EMISSION CHARACTERISTIC	EMISSION LIMITATIONS		
	lb/hr	lbs/day	Other units (specify)
Particulate Matter			0.3 grains/sdcf

EMISSION CHARACTERISTIC	MONITORING REQUIREMENTS		
	Measurement Frequency	Sample Type	Reporting Frequency

**PART II
EMISSION LIMITATIONS AND MONITORING REQUIREMENTS**

During the period beginning May 13, 1980, and lasting until May 1, 1983, the permittee is authorized to operate air emissions equipment and emit air contaminants from Woodwaste Boilers No. 3 & No. 4, Emission Point 010.

Such emissions shall be limited and monitored by the permittee as specified below:

EMISSION CHARACTERISTIC	EMISSION LIMITATIONS		
	lb/hr	lbs/day	Other units (specify)
Particulate Matter			0.3 grains/sdcf

EMISSION CHARACTERISTIC	MONITORING REQUIREMENTS		
	Measurement Frequency	Sample Type	Reporting Frequency

PART II
EMISSION LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning May 13, 1980, and lasting until May 1, 1983, the permittee is authorized to operate air emissions equipment and emit air contaminants from Package Boiler No. 5, Emission Point 011.

Such emissions shall be limited and monitored by the permittee as specified below:

EMISSION CHARACTERISTIC	EMISSION LIMITATIONS		
	lb/hr	lbs/day	Other units (specify)
SO ₂			4.8 lb/10 ⁶ BTU
Particulate Matter			59.2 lb/hr

EMISSION CHARACTERISTIC	MONITORING REQUIREMENTS		
	Measurement Frequency	Sample Type	Reporting Frequency

PART II
EMISSION LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning May 13, 1980, and lasting until
May 1, 1983, the permittee is authorized to operate air emissions
equipment and emit air contaminants from Truline Flaking and Packaging
Area, Emission Point 014.

Such air emissions equipment shall be operated as efficiently as possible to provide the
maximum reduction of air contaminants.

PART II
EMISSION LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning May 13, 1980, and lasting until
May 1, 1983, the permittee is authorized to operate air emissions
equipment and emit air contaminants from Hard Resins Area, Emission
Point 015.

Such air emissions equipment shall be operated as efficiently as possible to provide the
maximum reduction of air contaminants.

PART II

Page 14 of 34
Permit No. 0800-00001

PART II
EMISSION LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning May 13, 1980, and lasting until
May 1, 1983, the permittee is authorized to operate air emissions
equipment and emit air contaminants from Continuous Esterification Unit,
Emission Point 016.

Such air emissions equipment shall be operated as efficiently as possible to provide the
maximum reduction of air contaminants.

PART II

Page 15 of 34
Permit No. 0800-00001

PART II
EMISSION LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning May 13, 1980, and lasting until
May 1, 1983, the permittee is authorized to operate air emissions
equipment and emit air contaminants from Flaking House, Emission Point 018.

Such air emissions equipment shall be operated as efficiently as possible to provide the maximum reduction of air contaminants.

PART II

Page 16 of 34
Permit No. 0800-00001

PART II
EMISSION LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning May 13, 1980, and lasting until
May 1, 1983, the permittee is authorized to operate air emissions
equipment and emit air contaminants from Foral and Staybelite Plant,
Emission Point 019.

Such air emissions equipment shall be operated as efficiently as possible to provide the
maximum reduction of air contaminants.

PART II

Page 17 of 34
Permit No. 0800-00001

PART II
EMISSION LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning May 13, 1980, and lasting until
May 1, 1983, the permittee is authorized to operate air emissions
equipment and emit air contaminants from Hydrogen Furnace, Emission
Point 020.

Such air emissions equipment shall be operated as efficiently as possible to provide the maximum reduction of air contaminants.

PART II
EMISSION LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning May 13, 1980, and lasting until
May 1, 1983, the permittee is authorized to operate air emissions
equipment and emit air contaminants from Pilot Plant, Emission Point 021.

Such air emissions equipment shall be operated as efficiently as possible to provide the maximum reduction of air contaminants.

PART II

Page 19 of 34
Permit No. 0800-00001

PART II
EMISSION LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning May 13, 1980, and lasting until
May 1, 1983, the permittee is authorized to operate air emissions
equipment and emit air contaminants from Resin 731 Area, Emission Point 022.

Such air emissions equipment shall be operated as efficiently as possible to provide the maximum reduction of air contaminants.

PART II

Page 20 of 34
Permit No. 0800-00001

PART II
EMISSION LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning May 13, 1980, and lasting until
May 1, 1983, the permittee is authorized to operate air emissions
equipment and emit air contaminants from Stills and Dresinates Area,
Emission Point 023.

Such air emissions equipment shall be operated as efficiently as possible to provide the
maximum reduction of air contaminants.

PART II

Page 21 of 34
Permit No. 0800-00001

PART II
EMISSION LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning May 13, 1980, and lasting until
May 1, 1983, the permittee is authorized to operate air emissions
equipment and emit air contaminants from Kymene Plant, Emission Point 024.

Such air emissions equipment shall be operated as efficiently as possible to provide the maximum reduction of air contaminants.

PART II

Page 22 of 34
Permit No. 0800-00001

PART II
EMISSION LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning May 13, 1980, and lasting until
May 1, 1983, the permittee is authorized to operate air emissions
equipment and emit air contaminants from Defoamer Plant, Emission Point 025.

Such air emissions equipment shall be operated as efficiently as possible to provide the maximum reduction of air contaminants.

PART II

Page 23 of 34
Permit No. 0800-00001

PART II
EMISSION LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning May 13, 1980, and lasting until
May 1, 1983, the permittee is authorized to operate air emissions
equipment and emit air contaminants from Rosin Amine D, Emission Point 026.

Such air emissions equipment shall be operated as efficiently as possible to provide the maximum reduction of air contaminants.

PART II

Page 24 of 34
Permit No. 0800-00001

PART II
EMISSION LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning May 13, 1980, and lasting until
May 1, 1983, the permittee is authorized to operate air emissions
equipment and emit air contaminants from Resin PS687 Plant, Emission
Point 027.

Such air emissions equipment shall be operated as efficiently as possible to provide the maximum reduction of air contaminants.

PART II

Page 25 of 34
Permit No. 0800-00001

PART II
EMISSION LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning May 13, 1980, and lasting until
May 1, 1983, the permittee is authorized to operate air emissions
equipment and emit air contaminants from Polyrad and Polyol, Emission
Point 028.

Such air emissions equipment shall be operated as efficiently as possible to provide the
maximum reduction of air contaminants.

PART II

Page 26 of 34
Permit No. 0800-00001

PART II
EMISSION LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning May 13, 1980, and lasting until May 1, 1983, the permittee is authorized to operate air emissions equipment and emit air contaminants from Para-Cymene Unit, Emission Point 029.

Such air emissions equipment shall be operated as efficiently as possible to provide the maximum reduction of air contaminants.

PART II

Page 27 of 34
Permit No. 0800-00001

PART II
EMISSION LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning May 13, 1980, and lasting until
May 1, 1983, the permittee is authorized to operate air emissions
equipment and emit air contaminants from Para-Menthane Unit, Emission
Point 030.

Such air emissions equipment shall be operated as efficiently as possible to provide the
maximum reduction of air contaminants.

PART II
EMISSION LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning May 13, 1980, and lasting until
May 1, 1983, the permittee is authorized to operate air emissions
equipment and emit air contaminants from Para-Menthane Hydroperoxide
Unit, Emission Point 031.

Such air emissions equipment shall be operated as efficiently as possible to provide the
maximum reduction of air contaminants.

PART II

Page 29 of 34
Permit No. 0800-00001

PART II
EMISSION LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning May 13, 1980, and lasting until
May 1, 1983, the permittee is authorized to operate air emissions
equipment and emit air contaminants from Sulfate Turpentine Refining
Unit, Emission Point 032.

Such air emissions equipment shall be operated as efficiently as possible to provide the maximum reduction of air contaminants.

PART II

Page 30 of 34
Permit No. 0800-00001

PART II
EMISSION LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning May 13, 1980, and lasting until
May 1, 1983, the permittee is authorized to operate air emissions
equipment and emit air contaminants from Synthetic Pine Oil Facility,
Emission Point 033.

Such air emissions equipment shall be operated as efficiently as possible to provide the
maximum reduction of air contaminants.

PART II

Page 31 of 34

Permit No. 0800-00001

PART II
EMISSION LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning May 13, 1980, and lasting until
May 1, 1983, the permittee is authorized to operate air emissions
equipment and emit air contaminants from Paracol Plant, Emission Point 035.

Such air emissions equipment shall be operated as efficiently as possible to provide the maximum reduction of air contaminants.

PART II

Page 32 of 34
Permit No. 0800-00001

PART II
EMISSION LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning May 13, 1980, and lasting until
May 1, 1983, the permittee is authorized to operate air emissions
equipment and emit air contaminants from Carbon Regeneration Furnace with
Scrubber, Emission Point 036.

Such air emissions equipment shall be operated as efficiently as possible to provide the
maximum reduction of air contaminants.