



State of Mississippi



WATER POLLUTION CONTROL PERMIT

Permit to Discharge Wastewater in Accordance with National Pollutant Discharge Elimination System

THIS CERTIFIES

Drexel Chemical Company
Tunica Industrial Park
1799 Drexel Drive
Tunica, MS
Tunica County

has been granted permission to discharge wastewater in accordance with the effluent limitations, monitoring requirements and other conditions set forth in this permit. This permit is issued in accordance with the provisions of the Mississippi Water Pollution Control Law (Section 49-17-1 et seq., Mississippi Code of 1972), and the regulations and standards adopted and promulgated thereunder, and under authority granted pursuant to Section 402(b) of the Federal Water Pollution Control Act.

Mississippi Environmental Quality Permit Board

Krystal Rudolph

Mississippi Department of Environmental Quality

Issued/Modified: April 19, 2021

Expires: March 31, 2026

Permit No. MS0037621

Agency Interest # 2074

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Permit to Discharge Wastewater in Accordance with National Pollutant Discharge Elimination System

Drexel Chemical Company
 Subject Item Inventory
 Permit Number:MS0037621
 Activity ID No.: PER20200001

Subject Item Inventory:

ID	Designation	Description
AI2074	2074	formulating, blending, and packaging pesticides
RPNT1	MS0037621-001	Internal Outfall 001 (Non-contact cooling water, condensate, and boiler blowdown)
RPNT3	MS0037621-003	Outfall 003 (Storm water, south ditch)
RPNT4	MS0037621-004	Outfall 004 (Storm water, north ditch)

Subject Item Groups:

ID	Description	Components
GRPT1	Individual Storm Water Pollution Prevention Requirements	RPNT1 Internal Outfall 001 (Non-contact cooling water, condensate, and boiler blowdown)
		RPNT3 Outfall 003 (Storm water, south ditch)
		RPNT4 Outfall 004 (Storm water, north ditch)

Receiving Stream Relationships:

Subject Item	Relationship	Receiving Stream
RPNT1 Internal Outfall 001 (Non-contact cooling water, condensate, and boiler blowdown)	Discharges Into	Ditch
	Then Into	White Oak Bayou
RPNT3 Outfall 003 (Storm water, south ditch)	Discharges Into	Ditch
	Then Into	White Oak Bayou
RPNT4 Outfall 004 (Storm water, north ditch)	Discharges Into	Ditch

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Subject Item	Relationship	Receiving Stream
RPNT4 Outfall 004 (Storm water, north ditch)	Then Into	White Oak Bayou

KEY

ACT = Activity

AREA = Area

CONT = Control Device

IA = Insignificant Activity

MAFO = Animal Feeding Operation

RPNT = Release Point

WDPT = Withdrawal Point

AI = Agency Interest

CAFO = Concentrated Animal Feeding Operation

EQPT = Equipment

IMPD = Impoundment

PCS = PCS

TRMT = Treatment

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

Subject Item: Internal Outfall 001 (Non-contact cooling water, condensate, and boiler blowdown)

RPNT000000001: MS0037621-001

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

Parameter	Discharge Limitations							Monitoring Requirements		
	Quantity / Loading Average	Quantity / Loading Maximum	Quantity / Loading Units	Quality / Conc. Minimum	Quality / Conc. Average	Quality / Conc. Maximum	Quality / Conc. Units	Frequency	Sample Type	Which Months
<i>Flow Effluent</i>	Report Annual Average	Report Annual Maximum	Million Gallons per Day	*****	*****	*****	*****	Quarterly	Estimate	Jan-Dec
<i>pH Effluent</i>	*****	*****	*****	6.0 Minimum	*****	9.0 Maximum	SU	Quarterly	Grab Sampling	Jan-Dec
<i>Temperature (Deg. F) Effluent</i>	*****	*****	*****	*****	Report Annual Average	90 Annual Maximum	degrees F	Quarterly	Grab Sampling	Jan-Dec

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

Subject Item: Outfall 003 (Storm water, south ditch)

RPNT000000003: MS0037621-003

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

Parameter	Discharge Limitations							Monitoring Requirements		
	Quantity / Loading Average	Quantity / Loading Maximum	Quantity / Loading Units	Quality / Conc. Minimum	Quality / Conc. Average	Quality / Conc. Maximum	Quality / Conc. Units	Frequency	Sample Type	Which Months
<i>Arsenic (Total Recoverable) Effluent</i>	*****	*****	*****	*****	Report Annual Average	0.36 Annual Maximum	mg/L	Quarterly	Grab Sampling	Jan-Dec
<i>Flow Effluent</i>	Report Annual Average	Report Daily Maximum	Million Gallons per Day	*****	*****	*****	*****	Quarterly	Estimate	Jan-Dec
<i>Oxygen Demand, chemical Effluent</i>	*****	*****	*****	*****	Report Annual Average	Report Annual Maximum	mg/L	Quarterly	Grab Sampling	Jan-Dec
<i>pH Effluent</i>	*****	*****	*****	6.0 Minimum	*****	9.0 Maximum	SU	Quarterly	Grab Sampling	Jan-Dec

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

Subject Item: Outfall 004 (Storm water, north ditch)

RPNT000000004: MS0037621-004

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

Parameter	Discharge Limitations							Monitoring Requirements		
	Quantity / Loading Average	Quantity / Loading Maximum	Quantity / Loading Units	Quality / Conc. Minimum	Quality / Conc. Average	Quality / Conc. Maximum	Quality / Conc. Units	Frequency	Sample Type	Which Months
<i>Arsenic (Total Recoverable) Effluent</i>	*****	*****	*****	*****	Report Annual Average	0.36 Annual Maximum	mg/L	Quarterly	Grab Sampling	Jan-Dec
<i>Flow Effluent</i>	Report Annual Average	Report Annual Maximum	Million Gallons per Day	*****	*****	*****	*****	Quarterly	Estimate	Jan-Dec
<i>Oxygen Demand, chemical Effluent</i>	*****	*****	*****	*****	Report Annual Average	Report Annual Maximum	mg/L	Quarterly	Grab Sampling	Jan-Dec
<i>pH Effluent</i>	*****	*****	*****	6.0 Minimum	*****	9.0 Maximum	SU	Quarterly	Grab Sampling	Jan-Dec

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Drexel Chemical Company
Facility Requirements
Permit Number:MS0037621
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AI0000002074 (2074) formulating, blending, and packaging pesticides:

Limitation Requirements:

Condition No.	Parameter	Condition
L-1		There shall be no discharge of floating solids or visible foam in other than trace amounts. [11 Miss. Admin. Code Pt. 6, R. 2.2.A(2).]
L-2		The discharges shall not cause the occurrence of a visible sheen on the surface of the receiving waters. [11 Miss. Admin. Code Pt. 6, R. 2.2.A(2).]
L-3		Samples taken in compliance with the monitoring requirements specified in this permit shall be taken at the nearest accessible point after final treatment but prior to mixing with the receiving stream or as otherwise specified in this permit. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(28).]

Monitoring Requirements:

Condition No.	Parameter	Condition
M-1		For Outfalls 003 and 004, grab samples of the discharge shall be taken during the first 30 minutes (or as soon thereafter as practicable) of the storm event. All samples shall be collected from the discharge resulting from a storm event that is greater than 0.1 inches and at least 72 hours from the previously measurable (greater than 0.1-inch rainfall) storm event. [40 CFR 122.21(g)(7)(ii)]
M-2		For Outfalls 003 and 004, the permittee shall monitor and record the date and duration (in hours) of the storm(s) samples; rainfall measurements or estimates (in inches) of the storm which generated the sampled runoff; the duration between the storm sampled and the end of the previous measurable (greater than 0.1-inch rainfall) storm event; and an estimate of the total discharge (gallons) for the storm sampled. [Other]

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AI0000002074 (continued):

Record-Keeping Requirements:

Condition No.	Condition
R-1	Recording of Results For each measurement or sample taken pursuant to the requirements of this permit, the permittee shall maintain records of all information obtained from such monitoring including: (1) The exact place, date, and time of sampling; (2) The dates the analyses were performed; (3) The person(s) who performed the analyses; (4) The analytical techniques, procedures or methods used; and (5) The results of all required analyses. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(29)(a).]

Submittal/Action Requirements:

Condition No.	Condition
S-1	Reporting Monitoring results obtained during the previous reporting period shall be summarized and reported on a Discharge Monitoring Report (DMR). DMR data must be submitted electronically using the MDEQ NetDMR system NO LATER THAT THE 28TH DAY OF THE MONTH FOLLOWING THE COMPLETED REPORTING PERIOD. DMRs and all other reports required herein, shall be signed in accordance with 11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(15)(c)(1). of the Mississippi Wastewater Regulations. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(15)c(1)., 40 CFR 122.21(1)(4)(i)]

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AI0000002074 (continued):

Submittal/Action Requirements:

Condition No.	Condition
S-2	<p>Reporting Requirements - Planned Changes</p> <p>The permittee shall give notice to the Permit Board as soon as possible of any planned physical alterations or additions, including but not limited to, a change of operation to the permitted facility. Notice is required in the circumstances that follow:</p> <ul style="list-style-type: none">(1) The alteration or addition to a permitted facility may meet one of the criteria for determining whether the facility is a new source in 40 CFR 122.29(b); or(2) The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are not subject to either effluent limitations in the permit or notification requirements under 40 CFR 122.42(a)(1).(3) The alteration or addition results in a significant change in the permittee's sludge use or disposal practices, and such alteration, addition, or change may justify the application of permit conditions that are different from or absent in the existing permit, including notification of additional use or disposal sites not reported during the permit application process or not reported pursuant to an approved land application plan; [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(15)(a).]
S-3	<p>Reporting Requirements - Anticipated Noncompliance</p> <p>The permittee shall give advance notice to the Permit Board of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(29)(b).]</p>

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AI0000002074 (continued):

Submittal/Action Requirements:

Condition No.	Condition
S-4	<p>Noncompliance Notification - Twenty-Four Hour Reporting</p> <p>(1) The permittee shall report any noncompliance which may endanger health or the environment. Any information shall be provided orally within 24 hours from the time the permittee becomes aware of the circumstances. A written submission shall also be provided within 5 days of the time the permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and/or prevent recurrence of the noncompliance.</p> <p>(2) The following shall be included as information which must be reported within 24 hours under this paragraph.</p> <p>(i) Any unanticipated bypass which exceeds any effluent limitation in the permit.</p> <p>(ii) Any upset which exceeds any effluent limitation in the permit.</p> <p>(iii) Violation of a maximum daily discharge limitation for any of the pollutants listed by the Permit Board in the permit to be reported within 24 hours.</p> <p>(iv) The Executive Director may waive the written report on a case-by-case basis for reports under paragraph (1) of this section if the oral report has been received within 24 hours.</p> <p>All reports required by this condition which are submitted after December 20, 2025, shall be submitted by the permittee electronically as instructed by MDEQ. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(29)(e), 40 CFR 122.41.(1)(6)]</p>
S-5	<p>Noncompliance Notification - Other Noncompliance</p> <p>The permittee shall report all instances of noncompliance not reported under the twenty-four hour reporting requirements, at the time monitoring reports are submitted or within 30 days from the end of the month in which the noncompliance occurs. The reports shall contain the same information as is required under the twenty-four hour reporting requirements contained in this permit.</p> <p>All reports required by this condition which are submitted after December 20, 2025, shall be submitted by the permittee electronically as instructed by MDEQ. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(29)(f), 40 CFR 122.41.(1)(7)]</p>

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AI0000002074 (continued):

Submittal/Action Requirements:

Condition No.	Condition
S-6	<p>Noncompliance Notification - Other Information</p> <p>Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the Permit Board, it shall promptly submit such facts or information. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(29)(g).]</p>
S-7	<p>Bypassing -Notice</p> <p>Anticipated bypass- If the permittee knows in advance of the need for a bypass, it shall submit prior notice, if possible at least ten days before the date of the bypass.</p> <p>Unanticipated bypass- The permittee shall submit notice of an unanticipated bypass as required by the twenty-four hour reporting requirements set forth in this permit.</p> <p>All reports required by this condition which are submitted after December 20, 2025, shall be submitted by the permittee electronically as instructed by MDEQ. [40 CFR 122.41(m)(3)(i, ii)]</p>
S-8	<p>Expiration of Permit</p> <p>At least 180 days prior to the expiration date of this permit pursuant to the State law and regulation, the permittee who wishes to continue to operate under this permit shall submit an application to the Permit Board for reissuance. The Permit Board may grant permission to submit an application later than this, but no later than the expiration date of the permit. [11 Miss. Admin. Code Pt. 6, R. 1.1.5.B(1).]</p>

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AI0000002074 (continued):

Submittal/Action Requirements:

Condition No.	Condition
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S-9 Requirements Regarding Cooling and Boiler Water Additives

Notification shall be made to the permitting authority in writing not later than sixty (60) days prior to initiating the addition of any chemical product to the cooling water and/or boiler water which is subject to discharge, other than those previously approved and/or used. Such notification should include, but not be limited to:

- (1) Name and composition of the proposed additive,
- (2) Proposed discharge concentration,
- (3) Dosage addition rates,
- (4) Frequency of use,
- (5) EPA registration, if applicable, and
- (6) Aquatic species toxicological data.

Written approval must be received from the permitting authority prior to initiating use. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(14).]

Narrative Requirements:

Definitions:

Condition No.	Condition
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T-1 Definitions: General

The permittee shall refer to 11 Miss. Admin. Code Pt. 6, R. 1.1.1.A for definitions of any permit term not specified in this permit. [11 Miss. Admin. Code Pt. 6, R. 1.1.1.A.]

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AI0000002074 (continued):

Narrative Requirements:

Definitions:

Condition No.	Condition
T-2	<p>Definitions: Monthly Average</p> <p>"Monthly Average" means the average of "daily discharges" over a calendar month, calculated as the sum of all "daily discharges" measured during a calendar month divided by the number of "daily discharges" measured during the month. The monthly average for E coli bacteria is the geometric mean of "daily discharges" measured during the calendar month. In computing the geometric mean for E coli bacteria, the value one (1) shall be substituted for sample results of zero. [11 Miss. Admin. Code Pt. 6, R. 1.1.1.A(44).]</p>
T-3	<p>Definitions: Daily Discharge</p> <p>"Daily discharge" means the "discharge of a pollutant" measured during a calendar day or any 24-hour period that reasonably represents the calendar day for purposes of sampling. For pollutants with limitations expressed in units of mass, the "daily discharge" is calculated as the total mass of the pollutant discharged over the day. For pollutants with limitations expressed in other units of measurements, the "daily average" is calculated as the average measurement of the discharge of the pollutant over the day. [11 Miss. Admin. Code Pt. 6, R. 1.1.1.A(15).]</p>
T-4	<p>Definitions: Daily Maximum</p> <p>"Daily maximum" means the highest "daily discharge" over a calendar month. [11 Miss. Admin. Code Pt. 6, R. 1.1.1.A(16).]</p>
T-5	<p>Definitions: Toxic Pollutants</p> <p>"Toxic pollutants" means any pollutant listed as toxic under Section 307(a)(1) or, in the case of "sludge use or disposal practices", any pollutant identified in regulations implementing Section 405(d) of the Clean Water Act. [11 Miss. Admin. Code Pt. 6, R. 1.1.1.A(71).]</p>
T-6	<p>Definitions: Hazardous Substances</p> <p>"Hazardous substances" are defined in 40 CFR 116.4. [40 CFR 116.4]</p>

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Drexel Chemical Company
Facility Requirements
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AI0000002074 (continued):

Narrative Requirements:

Definitions:

Condition No.	Condition
T-7	<p>Definitions: Weekly Average</p> <p>"Weekly average" means the average of "daily discharges" over a calendar week, calculated as the sum of all "daily discharges" measured during a calendar week divided by the number of "daily discharges" measured during that week. The weekly average for E coli bacteria is the geometric mean of all "daily discharges" measured in a calendar week. In computing the geometric mean for E coli bacteria, one (1) shall be substituted for sample results of zero. For self-monitoring purposes, the value to be reported is the single highest weekly average computed during a calendar month. [11 Miss. Admin. Code Pt. 6, R. 1.1.1.A(86).]</p>
T-8	<p>Definitions: Quarterly Average</p> <p>"Quarterly Average" means the average of "daily discharges" over a three month period, calculated as the sum of all "daily discharges" measured during the quarter divided by the number of "daily discharges" measured during the quarter. The quarterly average for E coli bacteria is the geometric mean of "daily discharges" measured during the quarter. In computing the geometric mean for E coli bacteria, the value one (1) shall be substituted for sample results of zero. [11 Miss. Admin. Code Pt. 6, R. 1.1.1.A(61).]</p>
T-9	<p>Definitions: Quarterly Maximum</p> <p>"Quarterly Maximum" means the highest "daily discharge" measured over a three-month period. [11 Miss. Admin. Code Pt. 6, R.1.1.1.A(62).]</p>
T-10	<p>Definitions: Maximum Monthly Average</p> <p>Maximum Monthly Average means the highest "monthly average" over a monitoring period. [40 CFR 122]</p>
T-11	<p>Definitions: Yearly Average</p> <p>"Yearly Average" means the average of "daily discharges" over a calendar year, calculated as the sum of all "daily discharges" measured during the calendar year divided by the number of "daily discharges" measured during the calendar year. The yearly average for E coli bacteria is the geometric mean of "daily discharges" during the calendar year. In computing the geometric mean for E coli bacteria, the value one (1) shall be substituted for sample results of zero. [11 Miss. Admin. Code Pt. 6, R.1.1.1.A(87).]</p>

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Drexel Chemical Company
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AI0000002074 (continued):

Narrative Requirements:

Definitions:

Condition No.	Condition
T-12	Definitions: Yearly Maximum "Yearly Maximum" means the highest "daily discharge" measured over a calendar year. [11 Miss. Admin. Code Pt. 6, R. 1.1.1.A(88).]
T-13	Definitions:"Submitted" means the document is postmarked on or before the applicable deadline, except as otherwise specified. [11 Miss. Admin. Code Pt. 6, R. 1.1.1.A(67).]

Condition No.	Condition
T-14	The permittee shall achieve compliance with the effluent limitations specified for discharge in accordance with the following schedule: Upon Permit Issuance. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(9).]
T-15	Within 14 days after either an interim or final date of compliance specified by this permit, the permittee shall provide the Permit Board with written notice of his compliance or noncompliance with the requirements or conditions specified to be completed by that date. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(10).]
T-16	Representative Sampling Samples and measurements taken as required herein shall be representative of the volume and nature of the monitored wastewater. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(28)(e).]
T-17	Reporting If the results for a given sample analysis are such that any parameter (other than E coli) is not detected at or above the minimum level for the test method used, a value of zero will be used for that sample in calculating an arithmetic mean value for the parameter. If the resulting calculated arithmetic mean value for that reporting period is zero, the permittee shall report "NODI = B" on the DMR. For E coli, a value of 1.0 shall be used in calculating the geometric mean. If the resulting E coli mean value is 1.0, the permittee shall report "NODI = B" on the DMR. For each quantitative sample value that is not detectable, the test method used and the minimum level for that method for that parameter shall be attached to and submitted with the DMR. The permittee shall then be considered in compliance with the appropriate effluent limitation and/or reporting requirement. [11 Miss. Admin. Code Pt. 6, Ch. 1, Subch. 2.]

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AI0000002074 (continued):

Narrative Requirements:

Condition No.	Condition
T-18	<p>Reporting</p> <p>If the permittee monitors any pollutant as prescribed in the permit more frequently than required by the permit using test procedures approved under 40 CFR Part 136 or, in the case of sludge use or disposal, approved under 40 CFR Part 136 unless otherwise specified in 40 CFR Part 503, or as specified in the permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR or sludge reporting form specified by the Permit Board. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(15)(c)(2).]</p>
T-19	<p>Reporting</p> <p>Calculations for all limitations which require averaging of measurements shall utilize an arithmetic mean unless otherwise specified by the Permit Board in the permit. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(15)(c)(3).]</p>
T-20	<p>Test Procedures</p> <p>Test procedures for the analysis of pollutants shall include those set forth in 40 CFR 136 or alternative procedures approved and/or promulgated by EPA. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(30).]</p>
T-21	<p>Records Retention</p> <p>All records and results of monitoring activities required by this permit, including calibration and maintenance records, shall be retained by the permittee for a minimum of three (3) years, unless otherwise required or extended by the Permit Board, copies of which shall be furnished to the Department upon request. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(29)(a).]</p>
T-22	<p>Falsifying Reports</p> <p>Any permittee who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required by the Permit Board to be maintained as a condition in a permit, or who alters or falsifies the results obtained by such devices or methods and/or any written report required by or in response to a permit condition, shall be deemed to have violated a permit condition and shall be subject to the penalties provided for a violation of a permit condition pursuant to Section 49-17-43 of the Code. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(29)(d).]</p>

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Drexel Chemical Company
Facility Requirements
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AI0000002074 (continued):

Narrative Requirements:

Condition No.	Condition
T-23	<p>Facility Expansion and/or Modification</p> <p>Any facility expansion, production increases, process modifications, changes in discharge volume or location or other changes in operations or conditions of the permittee which may result in a new or increased discharge of waste, shall be reported to the Permit Board by submission of a new application for a permit pursuant to 11 Miss. Admin. Code Pt. 6, R. 1.1.2.A. of the Mississippi Wastewater Regulations, or if the discharge does not violate effluent limitations specified in the permit, by submitting to the Permit Board a notice of a new or increased discharge. [11 Miss. Admin. Code Pt. 6, R. 1.1.2.A.]</p>
T-24	<p>Duty to Comply</p> <p>The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the Clean Water Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(2).]</p>
T-25	<p>Proper Operation, Maintenance and Replacement</p> <p>The permittee shall at all times properly operate, maintain, and when necessary, promptly replace all facilities and systems of collection, treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance includes adequate laboratory controls and appropriate quality assurance procedures. Proper replacement includes maintaining an adequate inventory of replacement equipment and parts for prompt replacement when necessary to maintain continuous collection and treatment of wastewater. This provision requires the operation of back-up or auxiliary facilities or similar systems that are installed by a permittee only when the operation is necessary to achieve compliance with the conditions of the permit. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(18).]</p>
T-26	<p>Duty to Mitigate</p> <p>The permittee shall take all reasonable steps to minimize or prevent any discharge or sludge use or disposal in violation of the permit that has a reasonable likelihood of adversely affecting human health or the environment. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(19).]</p>
T-27	<p>Bypassing</p> <p>The permittee shall comply with the terms and conditions regarding bypass found in 40 CFR 122.41(m). [40 CFR 122.41(m)]</p>

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Drexel Chemical Company
Facility Requirements
Permit Number:MS0037621
Activity ID No.: PER20200001

AI0000002074 (continued):

Narrative Requirements:

Condition No.	Condition
T-28	<p>Bypassing - Definitions</p> <p>"Bypass" means the intentional diversion of waste streams from any portion of a treatment facility.</p> <p>"Severe property damage" means substantial physical damage to property, damage to the treatment facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production. [40 CFR 122.41(m)]</p>
T-29	<p>Bypassing - Bypass not exceeding limitations</p> <p>The permittee may allow any bypass to occur which does not cause effluent limitations to be exceeded, but only if it also is for essential maintenance to assure efficient operation. These bypasses are not subject to the notice and prohibition provisions of the bypass requirements in this permit. [40 CFR 122.41(m)]</p>
T-30	<p>Bypassing- Prohibition of Bypass</p> <p>(1) Bypass is prohibited, and the Commission may take enforcement action against a permittee unless:</p> <ul style="list-style-type: none">(i) Bypass was unavoidable to prevent loss of life, personal injury, or sever property damage.(ii) There was no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgement to prevent a bypass which occurred during normal periods of equipment downtime or preventative maintenance; and(iii) The permittee submitted notices as required under the Twenty-Four Hour reporting requirements set forth in this permit. <p>(2) The Commission may approve an anticipated bypass, after considering its adverse affects, if the Commission determines that it will meet the three conditions listed above in paragraph (1) of this permit condition. [40 CFR 122.41(m)]</p>
T-31	<p>Upsets</p> <p>The permittee shall meet the conditions of 40 CFR 122.41(n) regarding "Upsets" and as in the upset requirements of this permit. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(27).]</p>

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Drexel Chemical Company
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AI0000002074 (continued):

Narrative Requirements:

Condition No.	Condition
T-32	<p>Upsets- Definition</p> <p>"Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with technology based permit effluent limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(27).]</p>
T-33	<p>Upsets - Effect of an Upset</p> <p>An upset constitutes an affirmative defense to an action brought for noncompliance with such technology based permit effluent limitations if the "conditions necessary for demonstration of upset" requirements of this permit are met. Any determination made during administrative review of claims that noncompliance was caused by upset, and before an action for noncompliance, shall not constitute final administrative action subject to judicial review. [11 Miss. Admin. Code Pt. 6, R.1.1.4.A(27).]</p>
T-34	<p>Upsets - Conditions necessary for demonstration of upset</p> <p>A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed contemporaneous operating logs, or other relevant evidence that:</p> <ol style="list-style-type: none">(1) An upset occurred and that the permittee can identify the cause(s) of the upset;(2) The permitted facility was at the time being properly operated;(3) The permittee submitted notice of the upset as required in 40 CFR 122.41(L)(6)(ii)(B)(24-hour notice of noncompliance); and(4) The permittee complied with any remedial measures required under 40 CFR 122.41(d) (Duty to Mitigate). [11 Miss. Admin. Code Pt. 6, R.1.1.4.A(27).]
T-35	<p>Upsets - Burden of proof</p> <p>In any enforcement proceeding the permittee seeking to establish the occurrence of an upset has the burden of proof. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(27).]</p>

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AI0000002074 (continued):

Narrative Requirements:

Condition No.	Condition
T-36	<p>Removed Substances</p> <p>Solids, sludges, filter backwash, or other residuals removed in the course of treatment or control of wastewater shall be disposed of in a manner such as to prevent such materials from entering State waters and in a manner consistent with the Mississippi Solid Waste Disposal Act, the Federal Resource Conservation and Recovery Act, and the Mississippi Water Pollution Control Act. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(21).]</p>
T-37	<p>Power Failures</p> <p>If electric power is required, in order to maintain compliance with the conditions and prohibitions of the permit, the permittee shall either:</p> <p>(1) Provide an alternative power source to operate the wastewater control facilities; or, if such alternative power source is not in existence, and no date for its implementation appears in the permit,</p> <p>(2) Halt, reduce, or otherwise control production and/or all wastewater flows upon reduction, loss, or failure of the primary source of power to the wastewater control facilities. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(22).]</p>
T-38	<p>Inspection and Entry</p> <p>The permittee shall allow any authorized Commission representative to enter the permittee's premises at any reasonable time, to have access to and copy any applicable records, to inspect process facilities, treatment works, monitoring methods or equipment or to take samples, as authorized by Section 49-17-21 of the Code. In the event of investigation during an emergency response action, a reasonable time shall be any time of the day or night. Follow-up investigations subsequent to the conclusion of the emergency event shall be conducted at reasonable times. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(17).]</p>
T-39	<p>Transfer of Ownership or Control</p> <p>This permit is not transferable to any person without proper modification of this permit following procedures found in [11 Miss. Admin. Code Pt. 6, R. 1.1.5.C.]</p>
T-40	<p>Signatory Requirements</p> <p>All applications, reports, or information submitted to the Permit Board shall be signed and certified. [11 Miss. Admin. Code Pt. 6, R. 1.1.2.C.]</p>

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Drexel Chemical Company
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AI0000002074 (continued):

Narrative Requirements:

Condition No.	Condition
T-41	<p>Signatory Requirements - Application Signatures</p> <p>All permit applications shall be signed as follows:</p> <p>(1) For a corporation: by a responsible corporate officer. For the purpose of this Section, a responsible corporate officer means: (i) a president, secretary, treasurer or vice president of the corporation in charge of a principal business function, or any other person who performs similar policy - or decision-making function for the corporation, or (ii) the manager of one or more manufacturing, production, or operating facilities provided, the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.</p> <p>(2) For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or</p> <p>(3) For a municipality, State, Federal, or other public agency: by either a principal executive officer or ranking elected official. [11 Miss. Admin. Code Pt. 6, R. 1.1.2.C.]</p>
T-42	<p>Signatory Requirements -Reports and Other Information</p> <p>All reports required by the permit and other information requested by the Permit Board shall be signed by a person described by the application signature requirements in this permit or by a duly authorized representative of that person. A person is a duly authorized representative only if:</p> <p>(1) The authorization is made in writing by a person described by the application signature requirements;</p> <p>(2) The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity, such as the position of plant manager, operator of a well or a well field, superintendent, position having overall responsibility for environmental matters for the company. (A duly authorized representative may thus be either a named individual or any individual occupying a named position.); and</p> <p>(3) The written authorization is submitted to the Permit Board. [11 Miss. Admin. Code Pt. 6, R. 1.1.2.C.]</p>

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AI0000002074 (continued):

Narrative Requirements:

Condition No.	Condition
T-43	<p>Signatory Requirements - Changes to Authorization</p> <p>If an authorization under the signatory requirements of this permit is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the signatory requirements of this permit must be submitted to the Permit Board prior to or together with any reports, information, or applications. [11 Miss. Admin. Code Pt. 6, R. 1.1.2.C.]</p>
T-44	<p>Signatory Requirements - Certification</p> <p>Any person signing a document under the signatory requirements stated in this permit shall make the following certification:</p> <p>"I certify under penalty of law that this document and all attachments were prepared under the direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations." [11 Miss. Admin. Code Pt. 6, R. 1.1.2.C.]</p>
T-45	<p>Availability of Records</p> <p>Except for information deemed to be confidential under the Mississippi Code Ann. 49-17-39 and 40 CFR 123.41, file information relating to this permit shall be made available for public inspection and copying during normal business hours at the office of the Department of Environmental Quality in Jackson, Mississippi. Written request must be provided in accordance with policies developed by the Commission and must state, specifically, records proposed for review, date proposed for review and copying requirements. [11 Miss. Admin. Code Pt. 6, R. 1.1.3.E.]</p>
T-46	<p>Duty to Provide Information</p> <p>The permittee shall furnish to the Permit Board within a reasonable time any relevant information which the Permit Board may request to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit, or to determine compliance with the permit. The permittee shall also furnish to the Permit Board upon request, copies of records required to be kept by the permit. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(16).]</p>

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AI0000002074 (continued):

Narrative Requirements:

Condition No.	Condition
T-47	<p>Toxic Pollutants</p> <p>The permittee shall comply with any toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) established under Section 307(a) of the Federal Water Pollution Control Act. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(26).]</p>
T-48	<p>Toxic Pollutants Notification Requirements</p> <p>The permittee shall comply with the applicable provisions of 40 CFR 122.42. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(26).]</p>
T-49	<p>Civil and Criminal Liability</p> <p>(1) Any person who violates a term, condition or schedule of compliance contained within this permit or the Mississippi Water Pollution Control Law is subject to the actions defined by law. (2) Except as provided in permit conditions on "Bypassing" and "Upsets", nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance. (3) It shall not be the defense of the 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. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(24).]</p>
T-50	<p>Oil and Hazardous Substance Liability</p> <p>Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject to under Section 311 of the Federal Water Pollution Control Act and applicable provisions under Mississippi Law pertaining to transportation, storage, treatment, or spillage of oil or hazardous substances. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(23).]</p>
T-51	<p>Property Rights</p> <p>The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State, or local laws or regulations. [11 Miss. Admin. Code Pt. 6, R. 1.1.5. E.]</p>

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AI0000002074 (continued):

Narrative Requirements:

Condition No.	Condition
T-52	<p>Severability</p> <p>The provisions of this permit are severable. If any provision of this permit, or the application of any provision of this permit to any circumstances, is challenged or held invalid, the validity of the remaining permit provisions and/or portions thereof or their application to other persons or sets of circumstances, shall not be affected thereby. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(25).]</p>
T-53	<p>Protection of Confidential Information</p> <p>(1) Pursuant to Miss. Code Ann. ' 49-17-39 and 40 CFR 123.41, the Permit Board shall make available to the public all information contained on any form and all public comments on such information. Effluent data and information concerning air or water quality shall also be made available to the public. Information that is determined by the Commission to be trade secrets shall not be disclosed to the public without prior consent of the source of such information. When a claim of confidentiality is made by a person in accordance with the provisions of Miss. Code Ann. ' 49-17-39, a recommendation on the questions of confidentiality shall be made by the Commission and forwarded to the Regional Administrator (or his/her designee) of EPA for his concurrence in such determination of confidentiality. [11 Miss. Admin. Code Pt. 6, R. 1.1.3.F.]</p>
T-54	<p>Protection of Confidential Information- continued</p> <p>(2) A copy of a State, UIC, or NPDES permit application, public notice, fact sheet, draft permit and other forms relating thereto, including written public comment and other reports, files and information relating to the application not classified as confidential information by the Commission pursuant to part (1) of this requirement, shall be available for public inspection and copying during normal business hours at the office of the Department in Jackson, Mississippi. [11 Miss. Admin. Code Pt. 6, R. 1.1.3.F.]</p>
T-55	<p>Protection of Confidential Information- continued</p> <p>(3) Upon determination by the Commission that information submitted by a permit applicant is entitled to protection against disclosure as trade secrets, the information shall be so labeled and otherwise handled as confidential. Copies of the information and a notice of the Commission's action shall be forwarded to the Regional Administrator (or his/her designee). In making its determination of entitlement to protection as a trade secret, the Commission shall follow the procedure set forth in Miss. Code Ann. ' 49-17-39. In the event the Commission denies the claim of confidentiality, the applicant shall have, upon notification thereof, the right to appeal the Commission's determination in the same manner provided for other orders of the Commission. No disclosure, except to EPA, shall be allowed until any appeal from the determination of the Commission is completed. [11 Miss. Admin. Code Pt. 6, R. 1.1.3.F.]</p>

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AI0000002074 (continued):

Narrative Requirements:

Condition No.	Condition
T-56	<p>Spill Prevention and Best Management Plans</p> <p>Any permittee which has above ground bulk storage capacity, of more than 1320 gallons or any single container with a capacity greater than 660 gallons, of materials and/or liquids (including but not limited to, all raw, finished and/or waste material) with chronic or acute potential for pollution impact on waters of the State and not subject to Mississippi Hazardous Waste Management Regulations or 40 CFR 112 (Oil Pollution Prevention) regulations shall provide secondary containment as found in 40 CFR 112 or equivalent protective measures such as trenches or waterways which would conduct any tank releases to a permitted treatment system or sufficient equalization or treatment capacity needed to prevent chronic/acute pollution impact. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(12)(a).]</p>
T-57	<p>Reopener Clause</p> <p>This permit shall be modified, or alternately, revoked and reissued, to comply with any applicable effluent standard, limitation or storm water regulation issued or approved under Section 301(b)(2)(C), and (D), 304(b)(2), 307(a)(2) and 402(p) of the Federal Water Pollution Control Act if the effluent standard, limitation or regulation so issued or approved:</p> <ol style="list-style-type: none">1. Contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or2. Controls any pollutant not limited in the permit.3. This permit shall be modified to reflect any additional or otherwise more stringent limitations and additional monitoring as determined to be necessary by the results of a Completed TMDL. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.F(1).]
T-58	<p>Closure Requirements</p> <p>Should the permittee decide to permanently close and abandon the premises upon which it operates, it shall provide a Closure Plan to the Permit Board no later than 90 days prior to doing so. This Closure Plan shall address how and when all manufactured products, by-products, raw materials, stored chemicals, and solid and liquid waste and residues will be removed from the premises or permanently disposed of on site such that no potential environmental hazard to the waters of the State will be presented. Closure plan(s) submitted to and approved by Mississippi Department of Environmental Quality for compliance with other environmental regulations will satisfy the closure requirements for those items specifically addressed in the closure plan(s) as long as the closure does not present a potential for environmental hazard to waters of the State. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(11).]</p>

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Drexel Chemical Company
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AI0000002074 (continued):

Narrative Requirements:

Condition No.	Condition
T-59	Permit Actions The permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a modification of planned changes or anticipated noncompliance, does not stay any permit condition. [11 Miss. Admin. Code Pt. 6, R. 1.1.5.C(5).]

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GRPT000000001 Individual Storm Water Pollution Prevention Requirements:

Monitoring Requirements:

Condition No.	Parameter	Condition
M-1		<p>ANNUAL COMPREHENSIVE SITE INSPECTION AND SWPPP EVALUATION FORM:</p> <p>The permittee shall conduct a comprehensive evaluation of the facility's SWPPP by December 31st in the year following issuance and annually thereafter. The evaluation shall assess the effectiveness and accuracy of the SWPPP and ensure that the SWPPP is current, up to date, and meets all the requirements outlined in this permit. Should the SWPPP need to be amended based on the findings of any evaluation, a copy of the amended SWPPP must be submitted to MDEQ in accordance with the SWPPP Implementation Requirements.</p> <p>The results of all monthly site inspections shall be documented on the Annual SWPPP Evaluation Form, filed on site with the SWPPP, and made available to MDEQ personnel for inspection upon request. The Annual SWPPP Evaluation Form is provided in the Individual NPDES Permit SWPPP Forms Package, which can be found on the MDEQ website at http://www.deq.state.ms.us/Applications. The permittee may use an alternate form to record this information, so long as it includes all of the information on the above referenced form. The form must be signed in accordance with the provisions outlined in the general conditions of this permit. [11 Miss. Admin. Code Pt. 6. Ch. 1.]</p>

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Drexel Chemical Company
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GRPT0000000001 (continued):

Monitoring Requirements:

Condition No.	Parameter	Condition
M-2		<p>MONTHLY SITE INSPECTIONS:</p> <p>Routine visual site inspections shall be performed at a minimum of once per month to ensure the effectiveness of the SWPPP's design and implementation. If feasible, the inspections should be conducted during or after storm events. All areas contributing to storm water discharges associated with industrial activity (including, but not limited to, ground storage piles, tanks, hoppers, silos, dust containment/collection systems, cleaning, and maintenance areas) must be visually inspected as often as needed, but no less than once monthly. The inspection must evaluate whether the SWPPP adequately minimizes pollutant loadings and is properly implemented in accordance with the terms of this permit or whether additional control measures are needed. This includes observing storm water discharges for obvious industrial storm water pollution such as color, lack of clarity, floating solids, settled solids, suspended solids, foam, odor and oil sheens. The results of all monthly site inspections shall be documented on the Monthly Inspection / Visual Evaluation Report Form that is provided in the Individual NPDES Permit SWPPP Forms Package, which can be found on the MDEQ website at http://www.deq.state.ms.us/Applications. The permittee may use an alternate form to record this information, so long as it includes all of the information on the above referenced form. Completed forms shall be filed on-site with the SWPPP and made available to MDEQ personnel for inspection upon request.</p> <p>As part of inspections conducted during or after storm events, a representative sample of storm water should be collected at each outfall in a clean, clear jar and examined in a well-lit area. Should any of the objectionable characteristics described above be observed, the permittee shall investigate upstream from the sample location to identify the potential sources of pollution and implement corrective action. The results of all jar test inspections shall be documented on the Monthly Visual Jar Test Inspection Form that is provided in the Individual NPDES Permit SWPPP Forms Package, which can be found at http://www.deq.state.ms.us/Applications. The permittee may use an alternate form to record this information, so long as it includes all of the information on the above referenced form. Completed forms shall be filed on-site with the SWPPP and made available to MDEQ personnel for inspection upon request. [11 Miss. Admin. Code Pt. 6. Ch. 1.]</p>

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GRPT0000000001 (continued):

Record-Keeping Requirements:

Condition No.	Condition
R-1	<p>TRAINING DOCUMENTATION:</p> <p>Personnel training conducted to meet the requirements of this permit shall be documented. Training records shall include employee's name, worker identification number, date of training, contents of training, an indication whether it was initial or refresher training and the employee's signature acknowledging that training was received. All training records shall be maintained for at least three years from the date of training. All personnel training associated with this permit shall be documented on the Employee Training Log Form that is provided in the Individual NPDES Permit SWPPP Forms Package, which can be found on the MDEQ website at http://www.deq.state.ms.us/Applications. Coverage recipients may use an alternate form to record this information, so long as it includes all of the information on the above referenced form. Completed forms and supporting training documentation shall be maintained on-site with the SWPPP and made available to MDEQ personnel for inspection upon request. [11 Miss. Admin. Code Pt. 6. Ch. 1.]</p>

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GRPT000000001 (continued):

Record-Keeping Requirements:

Condition No.	Condition
R-2	<p data-bbox="222 607 709 633">TRAINING PROGRAM REQUIREMENTS:</p> <p data-bbox="222 665 1965 812">The permittee shall develop and implement a program for initial and periodic refresher training of personnel that are responsible for implementing and/or complying with the requirements of this permit. Initial training for all personnel that are responsible for implementing and/or complying with the requirements of this permit shall be performed within twelve (12) months of issuance of this permit. Newly hired employees responsible for implementing and/or complying with the requirements of this permit shall receive initial training prior to performing such responsibilities. All employees responsible for implementing and/or complying with the requirements of this permit shall receive refresher training by December 31st of each calendar year.</p> <p data-bbox="222 844 1098 870">Training shall at a minimum address, but not be limited to, the following elements:</p> <ol data-bbox="222 902 1915 1380" style="list-style-type: none"><li data-bbox="222 902 762 928">(1) SWPPP goals and plan components, including:<ol data-bbox="222 961 1789 1107" style="list-style-type: none"><li data-bbox="222 961 835 987">(A) Housekeeping and pollution prevention requirements,<li data-bbox="222 990 709 1016">(B) Spill prevention and response procedures,<li data-bbox="222 1019 1077 1045">(C) Identification and elimination of non-allowable, non-storm water discharges,<li data-bbox="222 1049 1373 1075">(D) Installation, maintenance and inspection of erosion and sediment controls for construction activities, and<li data-bbox="222 1078 1789 1104">(E) Installation, maintenance and inspection of Best Management Practices (BMPs) for industrial storm water and/or post-construction storm water.<li data-bbox="222 1140 1392 1166">(2) Procedures for monitoring compliance with non-numeric and numeric limitations prescribed in this permit;<li data-bbox="222 1201 1915 1260">(3) Recordkeeping, reporting and record retention requirements (includes understanding the records filing system and being able to produce the required permit documentation during a MDEQ on-site inspection);<li data-bbox="222 1295 1142 1321">(4) Release reporting and non-compliance notification and reporting requirements; and<li data-bbox="222 1357 1278 1383">(5) Applicable standard requirements contained in this permit. [11 Miss. Admin. Code Pt. 6. Ch. 1.]

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GRPT0000000001 (continued):

Submittal/Action Requirements:

Condition No.	Condition
S-1	<p data-bbox="220 600 1396 633">STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IMPLEMENTATION REQUIREMENTS:</p> <p data-bbox="220 657 430 690">The permittee shall:</p> <ol data-bbox="220 722 1988 1230" style="list-style-type: none"><li data-bbox="220 722 1988 787">(1) Implement the SWPPP and retain a copy of the SWPPP at the permitted site. Failure to implement the SWPPP is a violation of permit requirements. A copy of the SWPPP must be made available to the MDEQ inspectors for review at the time of an on-site inspection.<li data-bbox="220 812 1155 844">(2) Comply with the terms of the SWPPP upon commencement of the regulated activity.<li data-bbox="220 868 1988 966">(3) If notified at any time by the Executive Director of the MDEQ that the SWPPP does not meet the minimum requirements, amend the SWPPP and certify in writing to the Executive Director that the requested changes have been made. Unless otherwise provided, the permittee shall have 30 days to make the requested changes.<li data-bbox="220 990 1988 1088">(4) Amend the SWPPP whenever there is a change in design, construction, operation, or maintenance, which may increase the discharge of pollutants to State waters or whenever the SWPPP proves to be ineffective in controlling storm water pollutants. The permittee shall submit the revised SWPPP to the MDEQ within 30 days of amendment.<li data-bbox="220 1112 1988 1177">(5) If after permit issuance, a specific wasteload allocation is established that would apply to the facility's discharge, the facility must implement steps necessary to meet that allocation.<li data-bbox="220 1201 1417 1234">(6) Submit any new storm water sampling data within 90 days of sampling. [11 Miss. Admin. Code Pt. 6. Ch. 1.]

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GRPT000000001 (continued):

Submittal/Action Requirements:

Condition No.	Condition
S-2	<p>STORM WATER POLLUTION PREVENTION PLAN (SWPPP) REQUIREMENTS AT REISSUANCE:</p> <p>At permit reissuance, resubmittal of the SWPPP is not required if the SWPPP is on-site, current, adequately addresses the sources of pollution at the facility and is fully compliant with the terms and conditions of the reissued permit. The permittee shall complete the Storm Water Pollution Prevention Plan (SWPPP) Certification Form for Individual NPDES Permit Reissuance certifying that the SWPPP is on-site, current and effective in controlling storm water pollutants. It shall be attached to the NPDES Form 2F (or other required form) submitted for reissuance of the individual permit. The Storm Water Pollution Prevention Plan (SWPPP) Certification Form for Individual NPDES Permit Reissuance may be found in the Individual NPDES Permit SWPPP Forms Package at the following website: http://www.deq.state.ms.us/Applications.</p> <p>If the SWPPP is no longer current or does not effectively control storm water pollutants at the facility, a revised SWPPP shall be submitted to MDEQ as an attachment to the NPDES Form 2F (or other required form) submitted for reissuance of the individual permit. [11 Miss. Admin. Code Pt. 6. Ch. 1.]</p>

Narrative Requirements:

Condition No.	Condition
T-1	<p>STORM WATER POLLUTION PREVENTION PLAN (SWPPP) DEVELOPMENT:</p> <p>Within 180 days of permit issuance, the permittee shall develop, maintain, and implement a Storm Water Pollution Prevention Plan (SWPPP) for the operations subject to this permit. If a SWPPP has already been developed and implemented, the permittee shall review the existing SWPPP and revise it, if necessary, within 180 days of permit issuance to incorporate the requirements of the permit specified herein. The SWPPP shall be prepared in accordance with sound engineering practices and shall identify potential sources of pollution, which may reasonably be expected to affect the quality of storm water discharges associated with industrial activity from the facility. The SWPPP shall describe and ensure the implementation of best management practices, which will reduce pollutants in storm water discharges and assure compliance with the terms and conditions of this permit. For assistance in developing a SWPPP, applicants are encouraged to reference the Mississippi Storm Water Pollution Prevention Plan (SWPPP) Guidance Manual for Industrial Facilities or other recognized manual of design, such as EPA's "Developing Your Stormwater Pollution Prevention Plan" (February 2009), which are available at: http://www.deq.state.ms.us/MDEQ.nsf/page/epd_epdgeneral. [11 Miss. Admin. Code Pt. 6. Ch. 1.]</p>

Permit to Discharge Wastewater in Accordance with National Pollutant Discharge Elimination System

Drexel Chemical Company
Facility Requirements
Permit Number:MS0037621
Activity ID No.: PER20200001

GRPT0000000001 (continued):

Narrative Requirements:

Condition	Condition
T-2	<p data-bbox="222 607 1297 633">MINIMUM SWPPP COMPONENTS/DESCRIPTION OF POTENTIAL POLLUTANT SOURCES:</p> <p data-bbox="222 665 1591 691">The SWPPP shall identify all activities and significant materials which may potentially pollute storm water discharges, including:</p> <ul data-bbox="222 724 1864 990" style="list-style-type: none"><li data-bbox="222 724 1864 750">(1) A list of industrial activities exposed to storm water (e.g., storage, equipment fueling, maintenance and cleaning, loading/unloading, process areas, etc);<li data-bbox="222 782 1734 808">(2) A list of the materials and pollutants associated with each of the activities identified above (e.g., used oil, zinc, sulfuric acid, solvents, etc.);<li data-bbox="222 841 1549 867">(3) A narrative description of the materials and pollutants identified above. The narrative shall include, but not be limited to:<ul data-bbox="222 873 1344 990" style="list-style-type: none"><li data-bbox="222 873 592 899">(A) Method of storage or disposal,<li data-bbox="222 906 1213 932">(B) Management practices employed to minimize contact of these materials with storm water,<li data-bbox="222 938 1344 964">(C) Existing structural and non-structural control measures to reduce pollutants in storm water runoff, and<li data-bbox="222 971 688 990">(D) Any treatment the storm water receives.
	<p data-bbox="222 1023 1948 1172">(4) A list of spills and leaks of toxic or hazardous pollutants that have occurred at the facility shall be documented on the Monthly Spill & Leak Log Sheet that is provided in the Individual NPDES Permit SWPPP Forms Package, which can be found on the MDEQ website at http://www.deq.state.ms.us/Applications. A separate form shall be completed for each month that the facility is covered under this permit. If no spills have occurred, the form shall be completed by checking the available box and signing it as indicated. The permittee may use an alternate form to record this information, so long as it includes all the information on the above referenced form and is updated monthly. The completed forms shall be filed on-site with the SWPPP and made available to MDEQ personnel upon request.</p> <p data-bbox="222 1179 617 1200">[11 Miss. Admin. Code Pt. 6. Ch. 1.]</p>

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Drexel Chemical Company
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GRPT0000000001 (continued):

Narrative Requirements:

Condition	Condition
T-3	<p>MINIMUM SWPPP COMPONENTS/DESCRIPTION OF POTENTIAL POLLUTANT SOURCES (cont.):</p> <ul style="list-style-type: none">(5) An undated summary of all storm water sampling data (if available), including a description of associated pollutants of concern.(6) A detailed scaled site map showing the property layout with site boundaries and indicating the following features:<ul style="list-style-type: none">(A) Surface water bodies,(B) Drainage area of each storm water outfall identified by number,(C) Direction of flow for each area (designated by arrow),(D) Location and a description of existing structural and non-structural control measures to reduce pollutants in storm water runoff;(E) Location of any storm water treatment activities,(F) Location of any storm drain inlets,(G) Location of industrial activities, such as: (i) Fuel storage and dispensing locations, (ii) Vehicle/equipment repair, maintenance and cleaning areas, (iii) Materials storage and handling areas, (iv) Loading/unloading areas, (v) Process or manufacturing areas,(H) Location of housekeeping practices,

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T-4 MINIMUM SWPPP COMPONENTS/DESCRIPTION OF STORM WATER MANAGEMENT CONTROLS:

The permittee shall describe appropriate storm water management controls addressing identified potential pollution sources and implement such controls. The description shall include a schedule for implementing the following minimum components:

- (1) Pollution Prevention Manager/Committee. The SWPPP shall specify individual(s) responsible for developing the SWPPP and assisting the facility manager in its implementation, maintenance, and revision.
- (2) Risk Identification and Assessment/Material Inventory. The SWPPP shall assess the pollution potential of various sources at the facility including loading and unloading operations; outdoor storage, manufacturing or processing activities; significant dust or particulate generating processes and on-site waste disposal practices. Factors to consider include the toxicity and quantity of chemicals used, produced, or discharged, the likelihood of contact with storm water and history of significant leaks or spills of toxic or hazardous pollutants. The plan shall include an inventory of materials handled. Based on the Risk Identification and Material Inventory, the plan shall specify management controls, and, if necessary, structural controls to reduce or eliminate the potential for pollutants in the storm water discharges.
- (3) Sediment and Erosion Prevention. The SWPPP shall identify areas with a high potential for soil erosion, and specify prevention measures to limit erosion.
- (4) Preventive Maintenance. A preventive maintenance program shall involve inspection and maintenance of storm water management devices (cleaning oil/water separators, catch basins, etc.) and the inspecting and testing of equipment to preclude breakdowns or failures that may cause pollution. [11 Miss. Admin. Code Pt. 6. Ch. 1.]

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GRPT0000000001 (continued):

Narrative Requirements:

Condition No.	Condition
T-5	<p data-bbox="222 605 1476 630">MINIMUM SWPPP COMPONENTS/DESCRIPTION OF STORM WATER MANAGEMENT CONTROLS (cont.):</p> <p data-bbox="222 667 1965 721">(5) Good Housekeeping. The permittee shall describe and list practices appropriate to prevent pollutants from entering storm water from industrial activities due to poor housekeeping. The permittee shall:</p> <ul data-bbox="222 727 1965 1052" style="list-style-type: none"><li data-bbox="222 727 852 751">(A) Designate areas for equipment maintenance and repair;<li data-bbox="222 758 1272 782">(B) Provide waste receptacles at convenient locations (outdoor waste receptacles must be covered).<li data-bbox="222 789 642 813">(C) Provide regular collection of waste;<li data-bbox="222 820 1440 844">(D) Provide protected storage areas for chemicals, paints, solvents, fertilizers, and other potentially toxic materials;<li data-bbox="222 850 789 875">(E) Provide adequately maintained sanitary facilities;<li data-bbox="222 881 1965 1019">(F) Provide secondary containment as found in 40 CFR 112 or equivalent protective measures such as trenches or waterways which would conduct any tank releases to a permitted treatment system or sufficient equalization or treatment capacity needed to prevent chronic/acute pollution impact for any above ground bulk storage capacity of more than 1,320 gallons or any single container with a capacity greater than 660 gallons of materials and/or liquids (including but not limited to, all raw, finished and/or waste material) with chronic or acute potential for pollution impact on waters of the State, and not subject to Mississippi Hazardous Waste Management Regulations or 40 CFR 112 (Oil Pollution Prevention) regulations; and<li data-bbox="222 1026 1587 1050">(G) Provide secondary containment for raw material stockpiles (if required to prevent material from entering waters of the State). <p data-bbox="222 1089 1965 1170">(6) Spill Prevention and Response Procedures. The SWPPP shall clearly identify potential spill areas and their drainage points. The plan should specify material handling procedures and storage requirements. Procedures for cleaning up spills shall be identified and made available to the appropriate personnel. The necessary clean up equipment should be available to personnel.</p> <p data-bbox="222 1209 1965 1260">(7) Employee Training. The SWPPP shall specify periodic training for personnel that are responsible for implementing and/or complying with the requirements of the SWPPP (see SWPPP Personnel Training Requirements in this permit). [11 Miss. Admin. Code Pt. 6. Ch. 1.]</p>

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GRPT0000000001 (continued):

Narrative Requirements:

Condition No.	Condition
T-6	<p data-bbox="222 605 1476 634">MINIMUM SWPPP COMPONENTS/DESCRIPTION OF STORM WATER MANAGEMENT CONTROLS (cont.):</p> <p data-bbox="222 667 1969 781">(8) Illicit Connections-Testing and Certification. The permittee shall certify at least every five (5) years that storm water discharges have been evaluated for the presence of non-allowable, non-storm water discharges. The certification shall include the evaluation method(s), date(s), observation point(s) and result(s). The evaluation method(s) may include, but not be limited to, one or more three dry weather tests: 1) visual inspection, 2) plant schematic review, and 3) dye testing. The certification shall be filed on-site with the SWPPP and made available to MDEQ personnel for inspection upon request.</p> <p data-bbox="222 813 1969 870">This certification may not be feasible if the permittee does not have access to the discharge before it enters the ultimate receiving conduit. In such cases, the SWPPP shall include why the certification required by this part was not feasible.</p> <p data-bbox="222 902 1969 1016">(9) Routine Visual Site Inspections. The purpose of conducting visual site inspections is to make sure storm water discharges are free from objectionable characteristics (i.e., pollutants you can see, such as turbidity, color, sheen, etc.). The SWPPP shall describe the policy and procedures for routine visual site inspections, including frequencies and areas to be inspected. Areas to be inspected must include all industrial activities exposed to storm water. These areas must be checked for evidence of pollutants entering the storm water drainage system and also identify conditions which may give rise to contamination of storm water runoff.</p> <p data-bbox="222 1049 1969 1138">The frequency of inspections shall be performed as often as needed but no less than once monthly. If feasible, the inspections should be conducted during or after storm events. As part of the inspection, storm water should be collected in a clean, clear jar and examined in a well-lit area. The SWPPP should outline procedures to investigate, correct and document instances in which visible pollutants are observed.</p> <p data-bbox="222 1170 1969 1229">(10) Storm Water Management. The SWPPP should provide for the management of storm water volume through its diversion, infiltration, storage or re-use. [11 Miss. Admin. Code Pt. 6. Ch. 1.]</p>

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Drexel Chemical Company
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GRPT0000000001 (continued):

Narrative Requirements:

Condition No.	Condition
T-7	<p>MINIMUM SWPPP COMPONENTS/DESCRIPTION OF STORM WATER MANAGEMENT CONTROLS (cont.):</p> <p>(11) Non-Storm Water Discharge Management. The SWPPP must identify any allowable non-storm water discharges, except for flows from actual firefighting activities, which are combined with storm water discharges associated with industrial activity at the site. Non-storm water discharges should be eliminated or reduced to the extent feasible. The SWPPP must identify and ensure the implementation of appropriate Best Management Practices (BMPs) for the non-storm water component of the discharge. Allowable non-storm water discharges are as follows:</p> <ul style="list-style-type: none">(A) Discharges from actual fire-fighting activities;(B) Fire hydrant flushings;(C) Water used to control dust;(D) Potable water sources including uncontaminated water line flushing;(E) Routine external building wash down that does not use detergents;(F) Pavement wash waters where spills or leaks of toxic or hazardous materials have not occurred (unless all spilled material has been removed) and where detergents are not used;(G) Uncontaminated air conditioning or compressor condensate;(H) Incidental windblown mist from cooling towers that collects on rooftops or adjacent portions of the facility, but NOT intentional discharges from the cooling tower (e.g., “piped” cooling tower blowdown or drains);(I) Uncontaminated groundwater or spring water;(J) Foundation or footing drains where flows are not contaminated with process materials such as solvents;(K) Uncontaminated excavation dewatering;(L) Landscape irrigation; and(M) Water used to wash vehicles where detergents are not used. [11 Miss. Admin. Code Pt. 6. Ch. 1.]
T-8	<p>SWPPP COMPLIANCE WITH LOCAL STORM WATER ORDINANCES:</p> <p>(1) The SWPPP shall be in compliance with all local storm water ordinances.</p> <p>(2) When storm water discharges into a Municipal Separate Storm Sewer System (MS4), the permittee shall make the SWPPP available to the local authority upon request. [11 Miss. Admin. Code Pt. 6. Ch. 1.]</p>

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RPNT0000000001 (MS0037621-001) Internal Outfall 001 (Non-contact cooling water, condensate, and boiler blowdown):

Submittal/Action Requirements:

Condition No.	Condition
S-1	The Permittee shall submit analytical results on an annual Discharge Monitoring Report (DMR): Due annually by the 28th of January. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(15)(c).]

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RPNT0000000003 (MS0037621-003) Outfall 003 (Storm water, south ditch):

Submittal/Action Requirements:

Condition No.	Condition
S-1	The Permittee shall submit analytical results on an annual Discharge Monitoring Report (DMR): Due annually by the 28th of January. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(15)(c).]

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RPNT0000000004 (MS0037621-004) Outfall 004 (Storm water, north ditch):

Submittal/Action Requirements:

Condition No.	Condition
S-1	The Permittee shall submit analytical results on an annual Discharge Monitoring Report (DMR): Due annually by the 28th of January. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(15)(c).]

GENERAL INFORMATION

Drexel Chemical Company
 Tunica Industrial Park
 1799 Drexel Drive
 Tunica, MS
 Tunica County

Alternate/Historic Identifiers

ID	Alternate/Historic Name	User Group	Start Date	End Date
2074	Drexel Chemical Company	Official Site Name	3/12/1996	
2814300028	Drexel Chemical Company	Air-AIRS AFS (MDEQ USE ONLY)	10/12/2000	
MSD991277575	Drexel Chemical Company	Hazardous Waste-EPA ID	10/21/1980	
266000028	Drexel Chemical Company	Air-State Operating	10/24/1997	3/25/2002
266000028	Drexel Chemical Company	Air-Construction	10/24/1997	
MS0037621	Drexel Chemical Company	Water - NPDES	7/23/1996	7/22/2001
MSP091253	Drexel Chemical Company	Water - Pretreatment	3/12/1996	3/11/2001
MSP091253	Drexel Chemical Company	Water - Pretreatment	4/20/2001	1/9/2006
MS0037621	Drexel Chemical Company	Water - NPDES	4/20/2001	1/9/2006
MSP091253	Drexel Chemical Company	Water - Pretreatment	1/10/2006	10/20/2010
MS0037621	Drexel Chemical Company	Water - NPDES	1/10/2006	12/31/2010
2074 001	Drexel Chemical Company	GARD	2/23/1982	
2074 001	Helena Chemical	GARD	2/23/1982	
MSP091253	Drexel Chemical Company	Water - Pretreatment	10/20/2010	9/30/2015
MS0037621	Drexel Chemical Company	Water - NPDES	1/13/2011	12/31/2015
MSP091253	Drexel Chemical Company	Water - Pretreatment	6/23/2015	5/7/2020
MS0037621	Drexel Chemical Company	Water - NPDES	5/18/2016	4/30/2021
	Branch	Branches Group - Air	7/18/2017	
	Branch	Branches Group - Water	7/18/2017	
	Branch	Branches Group - Hazardous Waste	8/4/2017	
MSP091253	Drexel Chemical Company	Water - Pretreatment	5/7/2020	4/30/2025

Basin: Yazoo River Basin

GENERAL INFORMATION

Location Description:PG- Plant Entrance (General). Data collected by Scott Mills on 9/3/2004. Elevation 230 feet.