



State of Mississippi



WATER POLLUTION CONTROL PERMIT

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

THIS CERTIFIES

CF Industries Nitrogen LLC

4608 Highway 49 East

Yazoo City, MS

Yazoo 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

A handwritten signature in blue ink, reading "Krystal Rudolph".

Mississippi Department of Environmental Quality

Issued/Modified: MAY 16 2019

Expires: APR 30 2024

Permit No. MS0000574

Agency Interest # 2269

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

CF Industries Nitrogen LLC

Subject Item Inventory

Permit Number:MS0000574

Activity ID No.: PER20170001

Subject Item Inventory:

ID	Designation	Description
AI2269		
RPNT1	MS0000574 001	Outfall 001 (Treated process wastewater from ammonia production, nitric acid production, ammonium nitrate production, urea production, wastewater from the Chem-Seps treatment facility, sanitary wastewater from internal outfall 102 and 103, wastewater from the co-generation of electricity, miscellaneous wastewater and stormwater)
RPNT2	MS0000574 101	Outfall 101 (Wastewater sources described at Outfall 001 shall discharge through this outfall pipe to Martin Creek only during excessive rainfall events and during testing of flood pumps).
RPNT3	MS0000574 102	Outfall 102 (Treated sanitary wastewater from areas within ammonia production, carbon dioxide liquefaction, urea production, and nitric acid production plants along with minimal amount of laboratory waste from the facility testing lab - Internal Outfall discharging to Outfall 001).
RPNT4	MS0000574 103	Outfall 103 (Treated sanitary wastewater from areas within ammonium nitrate production/prilling plant - Internal Outfall discharging to Outfall 001).

Receiving Stream Relationships:

Subject Item	Relationship	Receiving Stream
AI 2269	Discharges Into	Yazoo River
	Then Into	Mississippi River
RPNT1 Outfall 001 (Treated process wastewater from ammonia production, nitric acid production, ammonium nitrate production, urea production, wastewater from the Chem-Seps treatment facility, sanitary wastewater from internal outfall 102 and 103, wastewater from the co-generation of electricity, miscellaneous wastewater and stormwater)	Discharges Into	Yazoo River
	Then Into	Mississippi River
RPNT2 Outfall 101 (Wastewater sources described at Outfall 001 shall discharge through this outfall pipe to Martin Creek only during excessive rainfall events and during testing of flood pumps).	Discharges Into	Martin Creek

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Subject Item	Relationship	Receiving Stream
RPNT2 Outfall 101 (Wastewater sources described at Outfall 001 shall discharge through this outfall pipe to Martin Creek only during excessive rainfall events and during testing of flood pumps).	Then Into	Yazoo River

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: **Outfall 001 (Treated process wastewater from ammonia production, nitric acid production, ammonium nitrate production, urea production, wastewater from the Chem-Seps treatment facility, sanitary wastewater from internal outfall 102 and 103, wastewater from the co-generation of electricity, miscellaneous wastewater and stormwater)**
RPNT0000000001: MS0000574 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>Ammonia Nitrogen, Total (as N) Effluent</i>	816.2 Monthly Average	1672.3 Daily Maximum	pounds per day	*****	Report Monthly Average	Report Daily Maximum	mg/L	3 Times per Week	24-hr Composite	Jan-Dec
<i>Flow Effluent</i>	Report Monthly Average	Report Daily Maximum	Million Gallons per Day	*****	*****	*****	*****	Continuously	Continuous Recorder	Jan-Dec
<i>Nitrate Nitrogen, total Effluent</i>	1101.2 Monthly Average	2372.6 Daily Maximum	pounds per day	*****	Report Monthly Average	Report Daily Maximum	mg/L	3 Times per Week	24-hr Composite	Jan-Dec
<i>Nitrogen (Total) Effluent</i>	2279.8 Monthly Average	4773.0 Daily Maximum	pounds per day	*****	Report Monthly Average	Report Daily Maximum	mg/L	3 Times per Week	24-hr Composite	Jan-Dec
<i>Organic Nitrogen, total Effluent</i>	362.4 Monthly Average	728.1 Daily Maximum	pounds per day	*****	Report Monthly Average	Report Daily Maximum	mg/L	3 Times per Week	24-hr Composite	Jan-Dec
<i>Oxygen, dissolved Effluent</i>	*****	*****	*****	6.0 Minimum	*****	*****	mg/L	Weekly	Grab Sampling	Jan-Dec
<i>pH Effluent</i>	*****	*****	*****	Report Minimum	*****	Report Maximum	SU	Continuously	Continuous Recorder	Jan-Dec

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

Subject Item: **Outfall 001 (Treated process wastewater from ammonia production, nitric acid production, ammonium nitrate production, urea production, wastewater from the Chem-Seps treatment facility, sanitary wastewater from internal outfall 102 and 103, wastewater from the co-generation of electricity, miscellaneous wastewater and stormwater)**
RPNT0000000001: MS0000574 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>pH range excursions, monthly total accumulated Effluent</i>	*****	*****	*****	*****	*****	446 Monthly Total	minutes	Continuously	Continuous Recorder	Jan-Dec
<i>pH range excursions, > 60 minutes Effluent</i>	*****	0 Monthly Total	occurrences per month	*****	*****	*****	*****	Continuously	Continuous Recorder	Jan-Dec
<i>Phosphorus (Total) Effluent</i>	50 Monthly Average	86.67 Daily Maximum	pounds per day	*****	*****	*****	*****	Twice per Month	24-hr Composite	Jan-Dec
<i>Temperature (Deg. F) Effluent</i>	*****	*****	*****	*****	*****	Report Daily Maximum	degrees F	Daily	Instantaneous Sampling	Jan-Dec
<i>Temperature Difference Between Up/Down Stream (Deg. F) Effluent</i>	*****	*****	*****	*****	*****	5 Quarterly Maximum	degrees F	Quarterly	Instantaneous Sampling	Jan-Dec

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

Subject Item: **Outfall 101 (Wastewater sources described at Outfall 001 shall discharge through this outfall pipe to Martin Creek only during excessive rainfall events and during testing of flood pumps).**

RPNT0000000002: MS0000574 101

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 Monthly Average	Report Daily Maximum	Million Gallons per Day	*****	*****	*****	*****	Once per Discharge Event	Totalizer	Jan-Dec
<i>pH Effluent</i>	*****	*****	*****	Report Minimum	*****	Report Maximum	SU	Continuously	Continuous Recorder	Jan-Dec
<i>pH range excursions, monthly total accumulated Effluent</i>	*****	*****	*****	*****	*****	446 Monthly Total	minutes	Continuously	Continuous Recorder	Jan-Dec
<i>pH range excursions, > 60 minutes Effluent</i>	*****	0 Monthly Total	occurrences per month	*****	*****	*****	*****	Continuously	Continuous Recorder	Jan-Dec

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

Subject Item: **Outfall 102 (Treated sanitary wastewater from areas within ammonia production, carbon dioxide liquefaction, urea production, and nitric acid production plants along with minimal amount of laboratory waste from the facility testing lab - Internal Outfall discharging to Outfall 001).**

RPNT0000000003: MS0000574 102

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>Chlorine, total residual Effluent</i>	*****	*****	*****	*****	*****	1.0 Maximum	mg/L	Monthly	Grab Sampling	Jan-Dec
<i>E coli Effluent</i>	*****	*****	*****	*****	126 Monthly Average	410 Daily Maximum	# of colonies/100 ml	Weekly	Grab Sampling	Jan-Dec
<i>Flow Effluent</i>	Report Monthly Average	Report Daily Maximum	Million Gallons per Day	*****	*****	*****	*****	Quarterly	Instantaneous Sampling	Jan-Dec
<i>Oxygen Demand, biochemical, 5-day (20 degrees C) Effluent</i>	*****	*****	*****	*****	30 Monthly Average	45 Daily Maximum	mg/L	Quarterly	24-hr Composite	Jan-Dec
<i>Solids (Total Suspended) Effluent</i>	*****	*****	*****	*****	30 Monthly Average	45 Daily Maximum	mg/L	Quarterly	24-hr Composite	Jan-Dec

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

Subject Item: **Outfall 103 (Treated sanitary wastewater from areas within ammonium nitrate production/prilling plant - Internal Outfall discharging to Outfall 001).**
RPNT0000000004: MS0000574 103

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>Chlorine, total residual Effluent</i>	*****	*****	*****	*****	*****	1.0 Maximum	mg/L	Monthly	Grab Sampling	Jan-Dec
<i>E coli Effluent</i>	*****	*****	*****	*****	126 Monthly Average	410 Daily Maximum	# of colonies/100 ml	Weekly	Grab Sampling	Jan-Dec
<i>Flow Effluent</i>	Report Monthly Average	Report Daily Maximum	Million Gallons per Day	*****	*****	*****	*****	Quarterly	Instantaneous Sampling	Jan-Dec
<i>Oxygen Demand, biochemical, 5-day (20 degrees C) Effluent</i>	*****	*****	*****	*****	30 Monthly Average	45 Daily Maximum	mg/L	Quarterly	24-hr Composite	Jan-Dec
<i>Solids (Total Suspended) Effluent</i>	*****	*****	*****	*****	30 Monthly Average	45 Daily Maximum	mg/L	Quarterly	24-hr Composite	Jan-Dec

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Limitation Requirements:

Condition No.	Parameter	Condition
L-1	pH	<p>pH: For Outfall 001 and 101, at which pH is continuously monitored, the permittee shall maintain the pH of discharge wastewater within the range of 6.0-9.0 standard units, except excursions from the range that are permitted subject to the following limitations:</p> <p>(1) The total time during which the pH values are outside the required range of pH values shall not exceed 7 hours and 26 minutes in any calendar month; and</p> <p>(2) No individual excursion from the range of pH values shall exceed 60 minutes. [40 CFR 401.17(a)]</p>
L-2		<p>Discharges from MS0000574 101 (Outfall 101) to Martin Creek shall only occur as described in condition T-15 of this permit. [Other]</p>
L-3		<p>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).]</p>
L-4		<p>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).]</p>
L-5		<p>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).]</p>

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Record-Keeping Requirements:

Condition No.	Condition
R-1	<p>Recording of Results</p> <p>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:</p> <ul style="list-style-type: none">(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	<p>Reporting</p> <p>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.</p> <p>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)]</p>

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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> <p>(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</p> <p>(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).</p> <p>(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).]</p>
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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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, 2020, 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, 2020, 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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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, 2020, 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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Submittal/Action Requirements:

Condition No.	Condition
S-9	<p>Requirements Regarding Cooling and Boiler Water Additives</p> <p>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:</p> <ul style="list-style-type: none">(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. <p>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).]</p>

Narrative Requirements:

Definitions:

Condition No.	Condition
T-1	<p>Definitions: General</p> <p>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.]</p>

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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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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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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).]

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Narrative Requirements:

Condition No.	Condition								
T-14	<p>All wastewater from MS0000574 (Outfall 001) shall be discharged to the Yazoo River except under the following scenerios:</p> <p>a. When rainfall and subsequent runoff reach a rate which exceeds the maximum capacity of the effluent pumping system (about 5800 gpm), the excess flow can be discharged through MS0000574 101 (Outfall 101) into Martin Creek; and in this instance, the combined effluent limitations for the parameters listed and described under the section, Effluent Limitations and Monitoring Requirements of this permit for Outfall 001 and 101 shall not be exceeded; or</p> <p>b. When the flood control pumps need to be tested to ensure proper operation, the wastewater from these pumps may be discharged into Martin Creek. The wastewater from testing of two flood pumps may be discharged to Martin Creek on a basis of once per week at a discharge rate not to exceed 30,000 gallons per minute over a period of approximately two minutes per pump provided that the discharge shall not exceed the following limitations:</p> <table><tr><th>Parameter</th><th>Limitation</th></tr><tr><td>-----</td><td>-----</td></tr><tr><td>Maximum Ammonia Nitrogen</td><td>12.0 mg/L</td></tr><tr><td>Minimum Dissolved Oxygen</td><td>6.0 mg/L</td></tr></table> <p>The permittee shall be required to monitored for above parameters prior to each discharge that takes place from the routinely tested flood pumps. The monitoring records for this routine flood water pumps testing shall be made available upon request for review by the Mississippi Department of Environmental Quality.</p> <p>c. When water levels in the Yazoo River and/or Martin Creek prohibit the normal discharge of wastewater via Outfall 001 and/or Outfall 101, wastewater may be discharged by the two flood control pumps into Martin Creek. [Other]</p>	Parameter	Limitation	-----	-----	Maximum Ammonia Nitrogen	12.0 mg/L	Minimum Dissolved Oxygen	6.0 mg/L
Parameter	Limitation								
-----	-----								
Maximum Ammonia Nitrogen	12.0 mg/L								
Minimum Dissolved Oxygen	6.0 mg/L								
T-15	<p>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).]</p>								
T-16	<p>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).]</p>								

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Narrative Requirements:

Condition No.	Condition
T-17	<p>Representative Sampling</p> <p>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).]</p>
T-18	<p>Reporting</p> <p>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.]</p>
T-19	<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-20	<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-21	<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>

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Narrative Requirements:

Condition No.	Condition
T-22	<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-23	<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>
T-24	<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-25	<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>

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Condition No.	Condition
T-26	<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-27	<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-28	<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>
T-29	<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-30	<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>

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Condition No.	Condition
T-31	<p>Bypassing- Prohibition of Bypass</p> <p>(1) Bypass is prohibited, and the Commission may take enforcement action against a permittee unless:</p> <p>(i) Bypass was unavoidable to prevent loss of life, personal injury, or sever property damage.</p> <p>(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</p> <p>(iii) The permittee submitted notices as required under the Twenty-Four Hour reporting requirements set forth in this permit.</p> <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-32	<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>
T-33	<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-34	<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>

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Condition No.	Condition
T-35	<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> <ul 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-36	<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>
T-37	<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-38	<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> <ul style="list-style-type: none">(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,(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).]

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Condition No.	Condition
T-39	<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-40	<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-41	<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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Narrative Requirements:

Condition No.	Condition
T-42	<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-43	<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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Condition No.	Condition
T-44	<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-45	<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-46	<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-47	<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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Condition No.	Condition
T-48	<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-49	<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-50	<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.</p> <p>(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.</p> <p>(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-51	<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-52	<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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Condition No.	Condition
T-53	<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-54	<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-55	<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-56	<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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Condition No.	Condition
T-57	<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-58	<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-59	<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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Condition No.	Condition
T-60	<p>Permit Actions</p> <p>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).]</p>

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RPNT0000000001 (MS0000574 001) Outfall 001 (Treated process wastewater from ammonia production, nitric acid production, ammonium nitrate production, urea production, wastewater from the Chem-Seps treatment facility, sanitary wastewater from internal outfall 102 and 103, wastewater from the co-generation of electricity, miscellaneous wastewater and stormwater):

Monitoring Requirements:

Condition No.	Parameter	Condition
M-1		<p>The instream temperature of the Yazoo River shall be measured instantaneously, once per quarter at the following locations: two hundred (200) feet upstream of the discharge pipe and hundred (100) feet downstream of the discharge pipe. The temperature shall be measured at a depth of five (5) feet in waters ten (10) feet or greater in depth. For those waters less than ten (10) feet in depth, the temperature shall be measured at mid-depth. The temperature of the effluent shall not cause the instream temperature of the receiving stream to exceed 90°F after mixing nor shall it cause it to change more than 5°F above natural conditions. The instream temperature monitoring data report shall be retained onsite and make available upon request for review by MDEQ personnel. The report shall contain the date and approximate time of sampling, sampling location, temperature measurements, and weather conditions (ambient temperature, sky conditions, etc.).</p> <p>The greatest temperature difference between the temperature measured upstream and downstream of the discharge pipe shall be reported on the monthly DMR. [11 Miss. Admin. Code Pt. 6, R. 2.2.E]</p>

Submittal/Action Requirements:

Condition No.	Condition
S-1	The Permittee shall submit analytical results on a monthly Discharge Monitoring Report (DMR): Due monthly, by the 28th of the subsequent month. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(15)(c).]
S-2	The Permittee shall submit analytical results on a quarterly Discharge Monitoring Report (DMR): Due quarterly, by the 28th of Jan, April, July, and Oct. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(15)(c).]

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RPNT0000000002 (MS0000574 101) Outfall 101 (Wastewater sources described at Outfall 001 shall discharge through this outfall pipe to Martin Creek only during excessive rainfall events and during testing of flood pumps).:

Submittal/Action Requirements:

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

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RPNT0000000003 (MS0000574 102) Outfall 102 (Treated sanitary wastewater from areas within ammonia production, carbon dioxide liquefaction, urea production, and nitric acid production plants along with minimal amount of laboratory waste from the facility testing lab - Internal Outfall discharging to Outfall 001):

Submittal/Action Requirements:

Condition	Condition
No.	
S-1	The Permittee shall submit analytical results on a quarterly Discharge Monitoring Report (DMR): Due quarterly, by the 28th of Jan, April, July, and Oct. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(15)(c).]

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RPNT0000000004 (MS0000574 103) Outfall 103 (Treated sanitary wastewater from areas within ammonium nitrate production/prilling plant - Internal Outfall discharging to Outfall 001).:

Submittal/Action Requirements:

Condition	
Condition No.	Condition
S-1	The Permittee shall submit analytical results on a quarterly Discharge Monitoring Report (DMR): Due quarterly, by the 28th of Jan, April, July, and Oct. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(15)(c).]

GENERAL INFORMATION

CF Industries Nitrogen LLC
4608 Highway 49 East
Yazoo City, MS
Yazoo County

Alternate/Historic Identifiers

ID	Alternate/Historic Name	User Group	Start Date	End Date
2269	CF Industries Nitrogen, L.L.C.	Official Site Name	1/9/2013	
2816300010	CF Industries Nitrogen, L.L.C.	Air-AIRS AFS	10/12/2000	
MSD008161432	MissChem Nitrogen, L.L.C.	Hazardous Waste-EPA ID	7/20/1992	9/28/2006
302000010	MissChem Nitrogen, L.L.C.	Air-Construction	9/16/1999	
302000010	MissChem Nitrogen, L.L.C.	Air-Title V Operating	1/6/2000	1/1/2005
302000010	MissChem Nitrogen, L.L.C.	Air-Construction	1/14/1997	
302000010	MissChem Nitrogen, L.L.C.	Air-Construction	11/5/1997	
302000010	MissChem Nitrogen, L.L.C.	Air-Construction	1/6/1999	
302000010	MissChem Nitrogen, L.L.C.	Air-Construction	9/28/1999	
302000010	MissChem Nitrogen, L.L.C.	Air-State Operating	9/28/1999	9/28/1999
MSR110144	MissChem Nitrogen, L.L.C.	GP-Sara Title III	7/5/1995	7/5/1995
MS0000574	MissChem Nitrogen, L.L.C.	Water - NPDES	1/28/1997	1/27/2002
MS0000574	MissChem Nitrogen, L.L.C.	Water - NPDES	11/5/1997	11/5/1997
MS0000574	MissChem Nitrogen, L.L.C.	Water - NPDES	9/28/1999	1/27/2002
2269	Mississippi Chemical Corporation	Historic Site Name	7/20/1992	7/20/1999
MSR110144	MissChem Nitrogen, L.L.C.	GP-Baseline	11/27/2000	3/20/2005
MS0000574	MissChem Nitrogen, L.L.C.	Water - NPDES	3/12/2002	2/28/2007
302000010	MissChem Nitrogen, LLC	Air-Construction	9/21/2004	
2269	MissChem Nitrogen, L.L.C.	Historic Site Name	7/20/1999	3/17/2005
MS0000574	Terra Mississippi Nitrogen Inc	Water - NPDES	3/21/2005	2/28/2007
MSR110144	Terra Mississippi Nitrogen Inc	GP-Baseline	3/21/2005	9/11/2005
MSR103874	Terra Mississippi Nitrogen Inc	GP-Construction	11/17/2005	5/7/2008
302000010	Terra Mississippi Nitrogen Inc	Air-Construction	1/11/2006	

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ID	Alternate/Historic Name	User Group	Start Date	End Date
MSR110144	Terra Mississippi Nitrogen, Inc., Yazoo City Facility	GP-Baseline	1/11/2006	11/5/2010
302000010	CF Industries Nitrogen, L.L.C.	Air-Title V Fee Customer	1/6/2000	
6731	CF Industries Nitrogen Incorporated	UST	5/7/1986	
302000010	Terra Mississippi Nitrogen Inc	Air-Title V Operating	12/15/2006	11/30/2011
MSD008161432	Terra Mississippi Nitrogen, Inc.	Hazardous Waste-EPA ID	9/28/2006	1/9/2013
MS0000574	Terra Mississippi Nitrogen Inc	Water - NPDES	12/11/2007	11/30/2012
2269	Terra Mississippi Nitrogen Inc	Air-Notification	4/8/2008	
2269 001	Mississippi Chemical	GARD	11/19/1980	
2269	Terra Mississippi Nitrogen, Ammonia plant 1500#storm drum	Air-Notification	2/20/2009	
2269	Annual Notification	Air-Notification	1/4/2010	
2269	Terra Mississippi Nitrogen Inc	Air-Notification	2/16/2010	2/16/2010
2269	Urea Plant #10 AOP Kellogg Plant	Air-Notification	2/25/2010	
MSR110144	Terra Mississippi Nitrogen, Inc.	GP-Baseline	11/5/2010	2/11/2013
2269	Annual	Air-Notification	1/28/2010	
2269	CF Industries	Air-Notification	1/5/2011	
2269	CF Industries Urea Plant # 1 Scrubber	Air-Notification	3/24/2011	
2269	CF Industries Octagon Conference building	Air-Notification	8/25/2011	
2269	CF Industries Amine Still 3 NHS Plant	Air-Notification	9/12/2011	
2269	CF Industries	Air-Notification	9/27/2011	
2269	Annual Terra Mississippi Nitrogen Inc	Air-Notification	1/5/2012	
2269	CF Industries cooling tower	Air-Notification	2/13/2012	
2269	Molecular Sieve Area	Air-Notification	5/7/2012	
MSR106156	Terra Mississippi Nitrogen, Inc.	GP-Construction	5/11/2012	2/11/2013
2269	CF Industries	Air-Notification	6/14/2012	
2269	Number 3 Ammonia Plant	Air-Notification	9/14/2012	
302000010	Terra Mississippi Nitrogen Inc	Air-Construction	9/27/2012	
2269	CF Industries Annual	Air-Notification	12/14/2012	
2269	Terra Mississippi Nitrogen, Inc.	Historic Site Name	3/17/2005	1/9/2013
2269	# 6 Acid Plant Piping	Air-Notification	1/23/2013	
MSR106156	CF Industries Nitrogen, LLC	GP-Construction	2/11/2013	10/17/2013
MSR110144	CF Industries Nitrogen, LLC	GP-Baseline	2/11/2013	1/11/2016
2269	CF Industries	Air-Notification	2/12/2013	

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ID	Alternate/Historic Name	User Group	Start Date	End Date
2269	CF Industries	Air-Notification	2/22/2013	
2269	CF Industries	Air-Notification	3/13/2013	
2269	Ammonia transfer line to #3 & #4 spheres	Air-Notification	4/18/2013	
2269	Ammonia pipe rack @ area plant R/R track	Air-Notification	4/18/2013	4/18/2013
2269	Ammonia Plant and AOP	Air-Notification	6/7/2013	
2269	Old Change House	Air-Notification	6/13/2013	
2269	Urea Prill Tower and Equipment	Air-Notification	9/6/2013	
MSD008161432	CF Industries Nitrogen LLC	Hazardous Waste-EPA ID	1/9/2013	
2269	Pipe Rack	Air-Notification	9/16/2013	
MS0000574	CF Industries Nitrogen LLC	Water - NPDES	9/23/2013	8/31/2018
2269	Old Barbecue Shed	Air-Notification	11/12/2013	
302000010	CF Industries Nitrogen LLC	Air-Title V Operating	11/13/2013	10/31/2018
2269	CF Industries	Air-Notification	1/28/2014	
2269	CF Industries Kellogg Plant	Air-Notification	1/28/2014	
302000010	CF Industries Nitrogen LLC	Air-Construction	6/23/2014	
2269	CF Industries	Air-Notification	7/9/2014	
2269	Old Saw Mill Office	Air-Notification	9/10/2014	
2269	CF Industries Compressor Building	Air-Notification	10/29/2014	
2269	CF Industries Lab Floor	Air-Notification	11/18/2014	
2269	Annual Notification	Air-Notification	12/8/2014	
2269	Old Warehouse Bldg	Air-Notification	12/15/2014	
2269	CF Industries Kellogg Plant	Air-Notification	1/21/2015	
302000010	CF Industries Nitrogen LLC	Air-Construction	2/2/2015	
2269	Old Warehouse Building	Air-Notification	2/5/2015	
MSR106858	CF Industries Nitrogen, L.L.C., ANS and IGAN Expansion Project (Rail System	GP-Construction	4/13/2015	4/4/2016
MSR106975	CF Industries Nitrogen LLC, AFN Drainage Improvements Project	GP-Construction	9/3/2015	8/18/2016
2269	CF Industries Annual	Air-Notification	12/14/2015	
MSR110144	CF Industries Nitrogen, L.L.C.	GP-Baseline	1/11/2016	10/31/2020
2269	CF Industries	Air-Notification	8/31/2016	
2269	Ammonia Storage Spheres	Air-Notification	5/23/2017	
	Branch	Branches Group - Air	7/18/2017	
	Branch	Branches Group - Water	7/18/2017	

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ID	Alternate/Historic Name	User Group	Start Date	End Date
	Branch	Branches Group - Stormwater-401	7/18/2017	
	Branch	Branches Group - Hazardous Waste	8/4/2017	
2269	Stores Warehouse	Air-Notification	12/26/2018	
MS0000574	CF Industries Nitrogen LLC	Water - NPDES	5/16/2019	4/30/2024

Basin: Yazoo River Basin

Location Description:PG - Plant entrance (General). Front Gate to Plant. Data collected by Chuck Gray on September 11, 2002.