**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
4612 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**

**Mississippi Department of Environmental Quality**

Issued/Modified: SEP 2 3 2013
Expires: AUG 3 1 2018

Permit No. MS0000574
Agency Interest # 2269

## Table of Contents

Subject Item Inventory.....i

Facility Requirements.....1

General Information.....A-1

Other Relevant Documents:

# 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.: PER20120001

## 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). |

## Subject Item Groups:

| ID | Description | Components |
|---|---|---|
| GRPT2 | SWPPP Requirements for Facility's Storm Water Discharges | 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) |
| | | 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). |

## 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 |

## 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.: PER20120001

| Subject Item | Relationship | Receiving Stream |
|---|---|---|
| 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) | 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 |
| | Then Into | Yazoo River |

**KEY**

| | |
|---|---|
| ACT = Activity | AI = Agency Interest |
| AREA = Area | CAFO = Concentrated Animal Feeding Operation |
| CONT = Control Device | EQPT = Equipment |
| IA = Insignificant Activity | MAFO = Animal Feeding Operation |
| PCS = PCS | RPNT = Release Point |
| TRMT = Treatment | WDPT = Withdrawal Point |

# 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 |
| ***Oxygen, dissolved Effluent [Phase I]*** | ****** | ****** | ****** | Report Minimum | ****** | ****** | mg/L | Monthly | Grab Sampling | Jan-Dec |
| ***Ammonia Nitrogen, Total (as N) Effluent [Phase I, Phase II]*** | 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 |
| ***Flow Effluent [Phase I, Phase II]*** | Report Monthly Average | Report Daily Maximum | Million Gallons per Day | ****** | ****** | ****** | ****** | Continuously | Continuous Recorder | Jan-Dec |
| ***Nitrate Nitrogen, total Effluent [Phase I, Phase II]*** | 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 |
| ***Nitrogen (Total) Effluent [Phase I, Phase II]*** | 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 |
| ***Organic Nitrogen, total Effluent [Phase I, Phase II]*** | 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 |
| ***pH Effluent [Phase I, Phase II]*** | ****** | ****** | ****** | 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 |
| ***pH range excursions, monthly total accumulated Effluent [Phase I, Phase II]*** | ****** | ****** | ****** | ****** | ****** | 446 Monthly Total | min | Continuously | Continuous Recorder | Jan-Dec |
| ***pH range excursions, > 60 minutes Effluent [Phase I, Phase II]*** | ****** | 0 Monthly Total | occurrences per month | ****** | ****** | ****** | ****** | Continuously | Continuous Recorder | Jan-Dec |
| ***Phosphorus (Total) Effluent [Phase I, Phase II]*** | 50 Monthly Average | 86.67 Daily Maximum | pounds per day | ****** | ****** | ****** | ****** | Twice per Month | 24-hr Composite | Jan-Dec |
| ***Temperature (Deg. F) Effluent [Phase I, Phase II]*** | ****** | ****** | ****** | ****** | ****** | Report Daily Maximum | degrees F | Daily | Instantaneous Sampling | Jan-Dec |
| ***Temperature Difference Be tween Up/Down Stream (Deg . F) Effluent [Phase I, Phase II]*** | ****** | ****** | ****** | ****** | ****** | 5 Monthly Maximum | degrees F | Twice per Month | Instantaneous Sampling | Jan-Dec |
| ***Oxygen, dissolved Effluent [Phase II]*** | ****** | ****** | ****** | 6.0 Minimum | ****** | ****** | mg/L | Weekly | Grab 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 |
| ***Flow Effluent*** | Report Monthly Average | Report Daily Maximum | Million Gallons per Day | ****** | ****** | ****** | ****** | Once per Discharge Event | Totalizer | Jan-Dec |
| ***pH Effluent*** | ****** | ****** | ****** | Report Minimum | ****** | Report Maximum | SU | Continuously | Continuous Recorder | Jan-Dec |
| ***pH range excursions, monthly total accumulated Effluent*** | ****** | ****** | ****** | ****** | ****** | 446 Monthly Total | min | Continuously | Continuous Recorder | Jan-Dec |
| ***pH range excursions, > 60 minutes Effluent*** | ****** | 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 |
| ***Chlorine, total residual Effluent*** | ****** | ****** | ****** | ****** | ****** | 1.0 Maximum | mg/L | Monthly | Grab Sampling | Jan-Dec |
| ***Fecal coliform, general Effluent*** | ****** | ****** | ****** | ****** | 200 Monthly Average | 400 Daily Maximum | # of colonies/100 ml | Weekly | Grab Sampling | Jan-Dec |
| ***Flow Effluent*** | Report Monthly Average | Report Daily Maximum | Million Gallons per Day | ****** | ****** | ****** | ****** | Quarterly | Instantaneous Sampling | Jan-Dec |
| ***Oxygen Demand, biochemical, 5-day (20 degrees C) Effluent*** | ****** | ****** | ****** | ****** | 30 Monthly Average | 45 Daily Maximum | mg/L | Quarterly | 24-hr Composite | Jan-Dec |
| ***Solids (Total Suspended) Effluent*** | ****** | ****** | ****** | ****** | 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 |
| ***Chlorine, total residual Effluent*** | ****** | ****** | ****** | ****** | ****** | 1.0 Maximum | mg/L | Monthly | Grab Sampling | Jan-Dec |
| ***Fecal coliform, general Effluent*** | ****** | ****** | ****** | ****** | 200 Monthly Average | 400 Daily Maximum | # of colonies/100 ml | Weekly | Grab Sampling | Jan-Dec |
| ***Flow Effluent*** | Report Monthly Average | Report Daily Maximum | Million Gallons per Day | ****** | ****** | ****** | ****** | Quarterly | Instantaneous Sampling | Jan-Dec |
| ***Oxygen Demand, biochemical, 5-day (20 degrees C) Effluent*** | ****** | ****** | ****** | ****** | 30 Monthly Average | 45 Daily Maximum | mg/L | Quarterly | 24-hr Composite | Jan-Dec |
| ***Solids (Total Suspended) Effluent*** | ****** | ****** | ****** | ****** | 30 Monthly Average | 45 Daily Maximum | mg/L | Quarterly | 24-hr Composite | Jan-Dec |

**AI0000002269:**

## Limitation Requirements:

| Condition No. | Parameter | Condition |
|---|---|---|
| L-1 | pH | 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:<br><br>(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<br>(2) No individual excursion from the range of pH values shall exceed 60 minutes. [40 CFR 401.17(a)] |
| L-2 | | Discharges from MS0000574 101 (Outfall 101) to Martin Creek shall only occur as described in condition T-61 of this permit. [Other] |
| L-3 | | 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-4 | | 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-5 | | 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).] |

**AI0000002269 (continued):**

## Record-Keeping Requirements:

| Condition No. | Condition |
|---|---|
| R-1 | Recording of Results<br><br>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:<br><br>(1) The exact place, date, and time of sampling;<br>(2) The dates the analyses were performed;<br>(3) The person(s) who performed the analyses;<br>(4) The analytical techniques, procedures or methods used; and<br>(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<br><br>Monitoring results obtained during the previous reporting period shall be summarized and reported on a Discharge Monitoring Report Form (EPA No. 3320-1) POSTMARKED NO LATER THAN THE 28TH DAY OF THE MONTH FOLLOWING THE COMPLETED REPORTING PERIOD. As an alternative to submitting a paper DMR the permittee may submit using the eDMR system no later than the 28th day of the month following the completed reported period. Copies of these, and all other reports required herein, shall be signed in accordance with Chapter One Rules 1.1.2.C. and 1.1.2.E. of the Mississippi Wastewater Permit Regulations, and shall be submitted to the Mississippi Environmental Quality Permit Board at the following address:<br><br>Mississippi Department of Environmental Quality<br>Office of Pollution Control<br>P.O. Box 2261<br>Jackson, Mississippi 39225. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(15)(c)(1).] |

**AI0000002269 (continued):**

## Submittal/Action Requirements:

| Condition No. | Condition |
|---|---|
| S-2 | Reporting Requirements - Planned Changes<br><br>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:<br>(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<br>(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).<br>(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 | Reporting Requirements - Anticipated Noncompliance<br><br>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).] |
| S-4 | Noncompliance Notification - Twenty-Four Hour Reporting<br><br>(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.<br><br>(2) The following shall be included as information which must be reported within 24 hours under this paragraph.<br>(i) Any unanticipated bypass which exceeds any effluent limitation in the permit.<br>(ii) Any upset which exceeds any effluent limitation in the permit.<br>(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.<br>(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. [11 Miss. Admin. Code Pt. 6, R.1.1.4.A(29)(e).] |

**AI0000002269 (continued):**

## Submittal/Action Requirements:

| Condition No. | Condition |
|---|---|
| S-5 | Noncompliance Notification - Other Noncompliance<br><br>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. [11 Miss. Admin. Code Pt. 6, R.1.1.4.A(29)(f).] |
| S-6 | Noncompliance Notification - Other Information<br><br>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).] |
| S-7 | Expiration of Permit<br><br>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).] |

**AI0000002269 (continued):**

## Submittal/Action Requirements:

| Condition No. | Condition |
|---|---|
| S-8 | Requirements Regarding Cooling and Boiler Water Additives<br><br>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:<br><br>(1) Name and composition of the proposed additive,<br>(2) Proposed discharge concentration,<br>(3) Dosage addition rates,<br>(4) Frequency of use,<br>(5) EPA registration, if applicable, and<br>(6) Aquatic species toxicological data.<br><br>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).] |
| S-9 | Submit Compliance Schedule: Due within six months after permit effective date. The permittee shall submit a compliance report that describes how the facility will come in compliance with the Phase II limit for dissolved oxygen (DO). The compliance report shall include an implementation sequence of interim requirements, such as data collection, submittal of work plan, construction activities, or other milestone events (i.e., a compliance schedule), which upon completion, lead to compliance with the new water quality-based effluent limit (WQBEL) for DO. The report, implementation schedule, and interim milestones will be enforceable conditions of the permit. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(9), 40 CFR 122.47] |

**AI0000002269 (continued):**

## Narrative Requirements:

**Definitions:**

| Condition No. | Condition |
|---|---|
| T-1 | Definitions: General<br><br>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 |
| T-2 | Definitions: Monthly Average<br><br>"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 fecal coliform bacteria is the geometric mean of "daily discharges" measured during the calendar month. In computing the geometric mean for fecal coliform 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).] |
| T-3 | Definitions: Daily Discharge<br><br>"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).] |
| T-4 | Definitions: Daily Maximum<br><br>"Daily maximum" means the highest "daily discharge" over a calendar month. [11 Miss. Admin. Code Pt. 6, R.1.1.1.A(16).] |
| T-5 | Definitions: Toxic Pollutants<br><br>"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).] |

**AI0000002269 (continued):**

## Narrative Requirements:

**Definitions:**

| Condition No. | Condition |
|---|---|
| T-6 | Definitions: Hazardous Substances<br><br>"Hazardous substances" are defined in 40 CFR 116.4. [40 CFR 116.4] |
| T-7 | Definitions: Weekly Average<br><br>"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 fecal coliform bacteria is the geometric mean of all "daily discharges" measured in a calendar week. In computing the geometric mean for fecal coliform 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).] |
| T-8 | Definitions: Quarterly Average<br><br>"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 fecal coliform bacteria is the geometric mean of "daily discharges" measured during the quarter. In computing the geometric mean for fecal coliform 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).] |
| T-9 | Definitions: Maximum Monthly Average<br><br>Maximum Monthly Average means the highest "monthly average" over a monitoring period. [40 CFR 122] |
| T-10 | Definitions: Quarterly Maximum<br><br>"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).] |

**AI0000002269 (continued):**

## Narrative Requirements:

**Definitions:**

| Condition No. | Condition |
|---|---|
| T-11 | Definitions: Yearly Average<br><br>"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 fecal coliform bacteria is the geometric mean of "daily discharges" during the calendar year. In computing the geometric mean for fecal coliform 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).] |
| T-12 | Definitions: Yearly Maximum<br><br>"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<br>Except as specifically defined, or otherwise noted, in an applicable regulation or permit, any report, application, or other document or information that is required by these regulations, or by a permit issued by the Permit Board, to be submitted to the Commission, Permit Board, or MDEQ shall be deemed submitted only upon its receipt by MDEQ. [11 Miss. Admin. Code Pt. 6, Ch.1, Subch.1.] |

| Condition No. | Condition |
|---|---|
| T-14 | The permittee shall achieve compliance with the effluent limitations specified herein in accordance with the following schedule:<br><br>Upon issuance of this permit, the permittee shall achieve compliance with the effluent limitations specified for the parameters noted as "Phase I" and "Phase I, Phase II"; Phase II limitations shall not apply at this time. Beginning upon completion and start-up of improvements needed to comply with Phase II limitations, but no later than five (5) years after the effective date of the permit, the permittee shall achieve compliance with the effluent limitations specified for the parameters noted as Phase II; Phase I limitations shall not apply at this time. Phase II limitations will become enforceable conditions of the permit no later than the expiration date of this permit. The permittee shall notify our office of start-up for Phase II orally at least 24 hours prior to start-up and in writing no later than 48 hours after start-up. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(9)] |

**AI0000002269 (continued):**

## Narrative Requirements:

| Condition No. | Condition |
|---|---|
| T-15 | Until compliance with the Phase II effluent limit for DO is achieved, the permittee must submit an annual Progress Report which outlines the progress made towards achieving the compliance with the DO effluent limitation. Progress reports shall be submitted beginning 1 year after the issuance date of the permit, and shall continue at 1 year intervals thereafter, until compliance with the DO effluent limit is achieved. See also Permit Condition T-16., "Compliance Schedules". At a minimum, the Progress Report must include:<br><br>a) An assessment of the previous year of DO data, and a comparison to the effluent DO Phase II limitation.<br><br>b) A discussion of progress made towards meeting the DO Phase II limitation. In other words, identify the necesaary remedial actions or measures taken or considered for improving effluent DO as part of the compliance schedule.<br><br>c) Further actions and milestones targeted for the upcoming year. [40 CFR 122.47] |
| T-16 | Compliance Schedules<br><br>Reports of compliance or noncompliance with, or any progress reports on interim and final requirements contained in any compliance schedule of this permit must be submitted to the Environmental Compliance and Enforcement Division of MDEQ no later than 14 days following each scheduled date. Failure to submit such reports shall be considered a violation of the compliance requirements of the permit and could be subject to enforcement action.<br><br>If permittee fails or refuses to comply with either a specific compliance requirement presented in the implementation schedule required in Permit Condition S-9 of page 5 of 38 or the Phase II limitation by the final date of compliance specified in the permit, the permittee shall be considered in violation of the permit and could be subject to enforcement action. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A.9(c), 11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(10)] |
| T-17 | Representative Sampling<br><br>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.1.1.1.A(28).] |

**AI0000002269 (continued):**

## Narrative Requirements:

| Condition No. | Condition |
|---|---|
| T-18 | Reporting<br><br>If the results for a given sample analysis are such that any parameter (other than fecal coliform) 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 fecal coliform, a value of 1.0 shall be used in calculating the geometric mean. If the resulting fecal coliform 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.] |
| T-19 | Reporting<br><br>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).] |
| T-20 | Reporting<br><br>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).] |
| T-21 | Test Procedures<br><br>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).] |

**AI0000002269 (continued):**

## Narrative Requirements:

| Condition No. | Condition |
|---|---|
| T-22 | Records Retention<br><br>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).] |
| T-23 | Falsifying Reports<br><br>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).] |
| T-24 | Facility Expansion and/or Modification<br><br>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.] |
| T-25 | Duty to Comply<br><br>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).] |

**AI0000002269 (continued):**

## Narrative Requirements:

| Condition No. | Condition |
|---|---|
| T-26 | Proper Operation, Maintenance and Replacement<br><br>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).] |
| T-27 | Duty to Mitigate<br><br>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).)] |
| T-28 | Bypassing<br><br>The permittee shall comply with the terms and conditions regarding bypass found in 40 CFR 122.41(m). [40 CFR 122.41(m)] |
| T-29 | Bypassing - Definitions<br><br>"Bypass" means the intentional diversion of waste streams from any portion of a treatment facility.<br><br>"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)] |
| T-30 | Bypassing - Bypass not exceeding limitations<br><br>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)] |

**AI0000002269 (continued):**

## Narrative Requirements:

| Condition No. | Condition |
|---|---|
| T-31 | Bypassing -Notice<br><br>Anticipated bypass-<br>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.<br><br>Unanticipated bypass-<br>The permittee shall submit notice of an unanticipated bypass as required by the twenty-four hour reporting requirements set forth in this permit. [40 CFR 122.41(m)] |
| T-32 | Bypassing- Prohibition of Bypass<br><br>(1) Bypass is prohibited, and the Commission may take enforcement action against a permittee unless:<br>(i) Bypass was unavoidable to prevent loss of life, personal injury, or sever property damage.<br>(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<br>(iii) The permittee submitted notices as required under the Twenty-Four Hour reporting requirements set forth in this permit.<br><br>(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)] |
| T-33 | Upsets<br><br>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).] |

**AI0000002269 (continued):**

## Narrative Requirements:

| Condition No. | Condition |
|---|---|
| T-34 | Upsets- Definition<br><br>"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).] |
| T-35 | Upsets - Effect of an Upset<br><br>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).] |
| T-36 | Upsets - Conditions necessary for demonstration of upset<br><br>A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed contemporaneous operating logs, or other relevant evidence that:<br><br>(1) An upset occurred and that the permittee can identify the cause(s) of the upset;<br>(2) The permitted facility was at the time being properly operated;<br>(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<br>(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-37 | Upsets - Burden of proof<br><br>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).] |

**AI0000002269 (continued):**

## Narrative Requirements:

| Condition No. | Condition |
|---|---|
| T-38 | Removed Substances<br><br>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).] |
| T-39 | Power Failures<br><br>If electric power is required, in order to maintain compliance with the conditions and prohibitions of the permit, the permittee shall either:<br><br>(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,<br>(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).)] |
| T-40 | Inspection and Entry<br><br>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).] |
| T-41 | Transfer of Ownership or Control<br><br>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.] |
| T-42 | Signatory Requirements<br><br>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.] |

**AI0000002269 (continued):**

## Narrative Requirements:

| Condition No. | Condition |
|---|---|
| T-43 | Signatory Requirements - Application Signatures<br><br>All permit applications shall be signed as follows:<br><br>(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.<br><br>(2) For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or<br><br>(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.] |
| T-44 | Signatory Requirements -Reports and Other Information<br><br>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:<br><br>(1) The authorization is made in writing by a person described by the application signature requirements;<br>(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<br>(3) The written authorization is submitted to the Permit Board. [11 Miss. Admin. Code Pt. 6, R.1.1.2.C.] |

**AI0000002269 (continued):**

## Narrative Requirements:

| Condition No. | Condition |
|---|---|
| T-45 | Signatory Requirements - Changes to Authorization<br><br>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.] |
| T-46 | Signatory Requirements - Certification<br><br>Any person signing a document under the signatory requirements stated in this permit shall make the following certification:<br><br>"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.] |
| T-47 | Availability of Records<br><br>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.] |
| T-48 | Duty to Provide Information<br><br>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).] |

**AI0000002269 (continued):**

## Narrative Requirements:

| Condition No. | Condition |
|---|---|
| T-49 | Toxic Pollutants<br><br>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).] |
| T-50 | Toxic Pollutants Notification Requirements<br><br>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).] |
| T-51 | Civil and Criminal Liability<br><br>(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.<br>(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.<br>(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).)] |
| T-52 | Oil and Hazardous Substance Liability<br><br>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).] |
| T-53 | Property Rights<br><br>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.] |

**AI0000002269 (continued):**

## Narrative Requirements:

| Condition No. | Condition |
|---|---|
| T-54 | Severability<br><br>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).] |
| T-55 | Protection of Confidential Information<br><br>(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.] |
| T-56 | Protection of Confidential Information- continued<br><br>(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.] |
| T-57 | Protection of Confidential Information- continued<br><br>(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.] |

**AI0000002269 (continued):**

## Narrative Requirements:

| Condition No. | Condition |
|---|---|
| T-58 | Spill Prevention and Best Management Plans<br><br>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).] |
| T-59 | Reopener Clause<br><br>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:<br><br>1. Contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or<br>2. Controls any pollutant not limited in the permit; or<br>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 or water quality study of the receiving stream. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.F(1)] |
| T-60 | Closure Requirements<br><br>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).] |

**AI0000002269 (continued):**

## Narrative Requirements:

| Condition No. | Condition |
|---|---|
| T-61 | Permit Actions<br><br>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).] |

**AI0000002269 (continued):**

## Narrative Requirements:

| Condition No. | Condition |
|---|---|
| T-62 | All wastewater from MS0000574 (Outfall 001) shall be discharged to the Yazoo River except under the following scenerios:<br><br>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<br><br>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:<br><br>Parameter — Limitation<br>Maximum Ammonia Nitrogen — 12.0 mg/L<br>Minimum Dissolved Oxygen* — 5.0 mg/L<br><br>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.<br><br>* The permittee must achieve compliance with the minimum DO requirement of 6.0 mg/l by the expiration date of this permit. In the interim the above effluent requirement for minimum DO of 5.0 mg/l must be met.<br><br>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] |

## GRPT0000000002 (AA-000) SWPPP Requirements for Facility's Storm Water Discharges:

### Submittal/Action Requirements:

| Condition No. | Condition |
|---|---|
| S-1 | STORM WATER ANNUAL REPORTING:<br><br>The results of all monthly site inspections and SWPPP evaluations must be documented on the Annual Comprehensive Site Inspection and SWPPP Evaluation Report Form and kept with the SWPPP. The Annual Comprehensive Site Inspection and SWPPP Evaluation Report Form may be found in the Individual Permit SWPPP Forms Package at the following website: http://www.deq.state.ms.us/MDEQ.nsf/page/epd_ApplicationsandForms. The permittee shall submit a Certified Inspection Report: Due annually, by the 28th of January for preceding calendar year. The first submission in a permit term may be for less than a 12-month period.<br><br>Reports shall be submitted to MDEQ at the following address:<br><br>Chief, Environmental Compliance and Enforcement Division<br>Mississippi Department of Environmental Quality<br>Office of Pollution Control<br>P.O. Box 2261<br>Jackson, Mississippi 39225<br><br>For priority or overnight deliveries, the physical address is:<br>515 East Amite Street<br>Jackson, Mississippi 39201<br><br>Electronic reporting of this information is also available by following the instructions on MDEQ's webpage at http://endx.deq.state.ms.us. [11 Miss Admin, Code Pt. 6, Ch. 1, Subch. 1.] |

**GRPT0000000002 (continued):**

## Submittal/Action Requirements:

| Condition No. | Condition |
|---|---|
| S-2 | SITE INSPECTIONS AND SWPPP EVALUATIONS:<br><br>The permittee shall perform routine visual inspections as often as needed, but no less than once per month for all areas associated with industrial activity that contribute to storm water discharges to ensure the effectiveness of the SWPPP's design and implementation. Areas to be inspected shall include, but are not limited to, equipment and material handling; storage; tank farms; equipment fueling; maintenance and cleaning; loading/unloading; process areas; and where spills have occurred in the past. These areas shall be checked for evidence of pollutants entering the drainage system and also identify conditions which may give rise to contamination of storm water runoff.<br><br>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.<br><br>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. 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.<br><br>The results of all inspections and associated corrective actions shall be documented on the Annual Comprehensive Site Inspection and SWPPP Evaluation Report Form and kept with the SWPPP. [11 Miss. Admin. Code Pt. 6, Ch. 1, Subch. 1.] |

**GRPT0000000002 (continued):**

## Submittal/Action Requirements:

| Condition No. | Condition |
|---|---|
| S-3 | The permittee shall submit a copy of the SWPPP to the Environmental Permits Division at the following address within 180 days of permit issuance that specifically addresses the best management practices (BMP) for shipping losses resulting from the discharges during ongoing activities as stated under definition for "Shipping Losses" in 40 CFR 418.<br><br>Chief, Environmental Permits Division<br>Mississippi Department of Environmental Quality<br>Office of Pollution Control<br>P.O. Box 2261<br>Jackson, Mississippi 39225<br><br>For priority or overnight deliveries, the physical address is:<br>515 East Amite Street<br>Jackson, Mississippi 39201. [11 Miss Admin, Code Pt. 6, Ch. 1, Subch. 1.] |

**GRPT0000000002 (continued):**

## Submittal/Action Requirements:

| Condition No. | Condition |
|---|---|
| S-4 | STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IMPLEMENTATION REQUIREMENTS:<br><br>The permittee shall:<br><br>(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.<br><br>(2) Comply with the terms of the SWPPP upon submittal of the SWPPP or upon amendment of the SWPPP to address permit requirements herein.<br><br>(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.<br><br>(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 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.<br><br>(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. [11 Miss. Admin. Code Pt. 6, Ch. 1, Subch. 1.] |

**GRPT0000000002 (continued):**

## Submittal/Action Requirements:

| Condition No. | Condition |
|---|---|
| S-5 | STORM WATER POLLUTION PREVENTION PLAN (SWPPP) REQUIREMENTS AT REISSUANCE:<br><br>At permit reissuance, resubmittal of the SWPPP is not required if the SWPPP is on-site, current, and effective in controlling storm water pollutants at the facility. 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 Permit SWPPP Forms Package at the following website: http://www.deq.state.ms.us/MDEQ.nsf/page/epd_ApplicationsandForms.<br><br>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, Subch. 1.] |
| S-6 | SWPPP COMPLIANCE WITH LOCAL STORM WATER ORDINANCES:<br><br>(1) The SWPPP shall be in compliance with all local storm water ordinances.<br><br>(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, Subch. 1.] |

**GRPT0000000002 (continued):**

## Submittal/Action Requirements:

| Condition No. | Condition |
|---|---|
| S-7 | SWPPP PERSONNEL TRAINING REQUIREMENTS:<br><br>Training Documentation:<br><br>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.<br><br>Training Program Requirements:<br><br>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 at a minimum of every twelve (12) months, thereafter. [11 Miss. Admin. Code Pt. 6, Ch. 1, Subch. 1.] |

**GRPT0000000002 (continued):**

## Submittal/Action Requirements:

| Condition No. | Condition |
|---|---|
| S-8 | SWPPP PERSONNEL TRAINING REQUIREMENTS (cont.):<br><br>Training shall at a minimum address, but not be limited to, the following elements:<br><br>(1) SWPPP goals and plan components, including:<br>(A) Housekeeping and pollution prevention requirements,<br>(B) Spill prevention and response procedures,<br>(C) Installation, maintenance and inspection of erosion and sediment controls for construction activities, and<br>(D) Installation, maintenance and inspection of Best Management Practices (BMPs) for industrial storm water and/or post-construction storm water.<br><br>(2) Procedures for monitoring compliance with non-numeric and numeric limitations prescribed in this permit;<br><br>(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);<br><br>(4) Release reporting and non-compliance notification requirements; and<br><br>(5) Standard requirements contained in this permit. [11 Miss. Admin. Code Pt. 6, Ch. 1, Subch. 1.] |

**GRPT0000000002 (continued):**

## Narrative Requirements:

| Condition No. | Condition |
|---|---|
| T-1 | STORM WATER POLLUTION PREVENTION PLAN (SWPPP) DEVELOPMENT:<br><br>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, Subch. 1.] |
| T-2 | MINIMUM SWPPP COMPONENTS/DESCRIPTION OF POTENTIAL POLLUTANT SOURCES:<br><br>The SWPPP shall identify all activities and significant materials which may potentially pollute storm water discharges, including:<br><br>(1) A list of industrial activities exposed to storm water (e.g., storage, equipment fueling, maintenance and cleaning, loading/unloading, process areas, etc);<br><br>(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.);<br><br>(3) A narrative description of the materials and pollutants identified above. The narrative shall include, but not be limited to:<br>(A) Method of storage or disposal,<br>(B) Management practices employed to minimize contact of these materials with storm water,<br>(C) Existing structural and non-structural control measures to reduce pollutants in storm water runoff, and<br>(D) Any treatment the storm water receives.<br><br>(4) A monthly updated list of significant spills and leaks of toxic or hazardous pollutants that have occurred at the facility. If no spills have occurred, indicate this in the SWPPP. [11 Miss. Admin. Code Pt. 6, Ch. 1, Subch. 1.] |

**GRPT0000000002 (continued):**

## Narrative Requirements:

| Condition No. | Condition |
|---|---|
| T-3 | MINIMUM SWPPP COMPONENTS/DESCRIPTION OF POTENTIAL POLLUTANT SOURCES (cont.):<br><br>(5) A detailed scaled site map showing the property layout with site boundaries and indicating the following features:<br>(A) Surface water bodies,<br>(B) Drainage area of each storm water outfall identified by number,<br>(C) Direction of flow for each area (designated by arrow),<br>(D) Location and a description of existing structural and non-structural control measures to reduce pollutants in storm water runoff;<br>(E) Location of any storm water treatment activities,<br>(F) Location of any storm drain inlets,<br>(G) Location of industrial activities, such as:<br>(i) Fuel storage and dispensing locations,<br>(ii) Vehicle/equipment repair, maintenance and cleaning areas,<br>(iii) Materials storage and handling areas,<br>(iv) Loading/unloading areas,<br>(v) Process or manufacturing areas,<br>(H) Location of housekeeping practices,<br>(I) Storm water conveyances (ditches, pipes, & swales), and<br>(J) Any post-construction control measures<br><br>(6) A topographic map extending at least 1/2 mile beyond the facility property boundaries. This may be part of the above required site map; and<br><br>(7) A summary of the types of pollutants likely to be present for each area of the facility generating storm water discharges with a reasonable potential for containing significant amounts of pollutants. [11 Miss. Admin. Code Pt. 6, Ch. 1, Subch. 1.] |

**GRPT0000000002 (continued):**

## Narrative Requirements:

| Condition No. | Condition |
|---|---|
| T-4 | MINIMUM SWPPP COMPONENTS/DESCRIPTION OF STORM WATER MANAGEMENT CONTROLS:<br><br>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:<br><br>(1) Pollution Prevention Manager/Committee. The SWPPP shall specify individual(s) responsible for developing the SWPPP and assisting the facility manager in it's implementation, maintenance, and revision.<br><br>(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.<br><br>(3) Sediment and Erosion Prevention. The SWPPP shall identify areas with a high potential for soil erosion, and specify prevention measures to limit erosion.<br><br>(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, Subch. 1.] |

**GRPT0000000002 (continued):**

## Narrative Requirements:

| Condition No. | Condition |
|---|---|
| T-5 | MINIMUM SWPPP COMPONENTS/DESCRIPTION OF STORM WATER MANAGEMENT CONTROLS (cont.):<br><br>(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:<br>(A) Designate areas for equipment maintenance and repair;<br>(B) Provide waste receptacles at convenient locations (outdoor waste receptacles must be covered).<br>(C) Provide regular collection of waste;<br>(D) Provide protected storage areas for chemicals, paints, solvents, fertilizers, and other potentially toxic materials;<br>(E) Provide adequately maintained sanitary facilities;<br>(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<br>(G) Provide secondary containment for raw material stockpiles (if required to prevent material from entering waters of the State)<br><br>(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.<br><br>(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, Subch. 1.] |

**GRPT0000000002 (continued):**

## Narrative Requirements:

| Condition No. | Condition |
|---|---|
| T-6 | MINIMUM SWPPP COMPONENTS/DESCRIPTION OF STORM WATER MANAGEMENT CONTROLS (cont.):<br><br>(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 process is explained in MDEQ's SWPPP Guidance Manual for Industrial Facilities, which is available at: http://www.deq.state.ms.us/mdeq.nsf/page/epd_epdgeneral<br><br>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.<br><br>(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.<br><br>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. [11 Miss. Admin. Code Pt. 6, Ch. 1, Subch. 1.] |

**GRPT0000000002 (continued):**

## Narrative Requirements:

| Condition No. | Condition |
|---|---|
| T-7 | ADDITIONAL SWPPP REQUIREMENTS FOR FACILITIES SUBJECT TO SARA TITLE III, SECTION 313:<br><br>(1) Section 313 Water Priority Chemicals. In areas where Section 313 Water Priority Chemicals are stored, processed or handled, appropriate containment, drainage control and/or diversionary structures shall be provided. Section 313 Water Priority Chemicals are specific chemicals, listed at 40 CFR 372.65, subject to reporting requirements under the Emergency Planning and Community Right-to-Know Act (EPCRA) Section 313.<br><br>The SWPPP shall identify preventive systems or their equivalent which are used. Preventative systems include:<br><br>(A) Curbing, culverting, gutters, sewers or other forms of drainage control to prevent or minimize the potential for storm water run-on to contact significant sources of pollutants; and<br><br>(B) Roofs, covers or other appropriate means to protect storage piles from exposure to storm water and wind.<br><br>(2) Liquid Storage Areas Exposed to Storm Water. No tank or container shall be used for the storage of a Section 313 Water Priority Chemical unless its material and construction are compatible with the material stored and conditions of storage, such as pressure and temperature, etc. Appropriate measures shall be taken to minimize discharges of Section 313 Water Priority Chemicals, which may include secondary containment providing for at least the entire contents of the largest single tank and precipitation, a strong spill contingency and integrity testing plan, and/or other equivalent measures.<br><br>(3) Non-Liquid Material Storage Areas. Material storage areas subject to runoff, leaching or wind shall incorporate drainage or other control features that will minimize the discharge of Section 313 Water Priority Chemicals. Drainage control shall minimize storm water contact with these chemicals.<br><br>(4) Truck and Rail Car Loading and Unloading Areas. Loading and unloading areas shall be operated to minimize discharges of liquid Section 313 Water Priority Chemicals. Overhangs or door skirts to enclose trailer ends at loading/unloading docks shall be provided as appropriate. Other controls may include the use and proper maintenance of drip pans where spillage may occur, such as when making or breaking hose connections, and/or strong spill contingency and integrity testing plan. [11 Miss. Admin. Code Pt. 6, Ch. 1, Subch. 1.] |

**GRPT0000000002 (continued):**

## Narrative Requirements:

| Condition No. | Condition |
|---|---|
| T-8 | ADDITIONAL SWPPP REQUIREMENTS FOR FACILITIES SUBJECT TO SARA TITLE III, SECTION 313 (cont.):<br><br>(5) Areas Where Section 313 Water Priority Chemicals are Transferred, Processed, or Otherwise Handled. Piping, processing and handling equipment shall be designed and operated so as to prevent discharges of Section 313 Water Priority Chemicals. Materials used in piping and equipment shall be compatible with the substances handled. Drainage from process and materials handling areas shall minimize storm water contact with Section 313 Water Priority Chemicals. Additional protection such as covers or guards to prevent exposure to wind, spraying or releases from pressure relief vents shall be provided as appropriate. Visual inspections or leak tests shall be provided for overhead piping conveying Section 313 Water Priority Chemicals without secondary containment.<br><br>(6) Discharges from Areas Covered by Conditions (2), (3), (4) or (5) above.<br><br>(A) Drainage from these areas shall be restrained by valves or other means to prevent a spill or excessive leakage of Section 313 Water Priority Chemicals into the drainage system. Pumps or ejectors may empty containment areas; however, these must be manually activated.<br><br>(B) Flapper-type drain valves shall not be used to drain containment areas. Valves used for the drainage of containment areas shall be of manual, open-and-close design.<br><br>(C) If plan drainage is not engineered as above, the final discharge of all facility storm sewers shall be equipped, in the event of an uncontrolled spill of Section 313 Water Priority Chemicals, to return the spilled material to the facility.<br><br>(7) Other Areas, Which May Contain Runoff of Section 313 Water Priority Chemicals. Drainage or other controls to prevent or mitigate polluted runoff or leachate shall be incorporated. [11 Miss. Admin. Code Pt. 6, Ch. 1, Subch. 1.] |

**GRPT0000000002 (continued):**

## Narrative Requirements:

| Condition No. | Condition |
|---|---|
| T-9 | ADDITIONAL SWPPP REQUIREMENTS FOR FACILITIES SUBJECT TO SARA TITLE III, SECTION 313 (cont.):<br><br>(8) Preventive Maintenance and Housekeeping. All areas of the facility shall be inspected at specific intervals for leaks or conditions that could lead to discharges of Section 313 Water Priority Chemicals or direct contact of storm water with raw materials, intermediate materials, waste materials or products. In particular, facility piping, pumps, storage tanks and bins, pressure vessels, process and material handling equipment, and material bulk storage area shall be examined for any conditions or failures which could cause a discharge. Inspection shall include examination for leaks, corrosion, support or foundation failure, or other forms of deterioration or noncontainment. Inspection intervals shall be specified in the plan and shall be based on design and operational experience. Different areas may require different inspection intervals. Where a leak or other condition is discovered which may result in significant releases of Section 313 Water Priority Chemicals to the drainage system, corrective action shall be immediately taken or the unit or process shut down until corrective action can be taken. When a leak or noncontainment of a Section 313 Water Priority Chemical has occurred, contaminated soil, debris, or other material must be promptly removed and disposed of in accordance with Federal, State, and local requirements and as described in the plan.<br><br>(9) Facility Security. Facilities shall have the necessary security systems to prevent accidental or intentional entry that could cause a discharge. Security systems described in the plan shall address fencing, lighting, vehicular traffic control, and securing of equipment and buildings.<br><br>(10) Training. Facility employees and contractor personnel shall be trained in preventive measures. Training shall be conducted at least annually on pollution control laws and regulations, the storm water pollution prevention plan and the particular features of the facility and its operation, which are designed to prevent spills and discharges of Section 313 Water Priority Chemicals.<br><br>(11) Change of Applicability Status. If pollution prevention measures or process changes result in the requirements of SARA Title III, Section 313 no longer being applicable, then the facility is no longer subject to the additional requirements of this part. [11 Miss. Admin. Code Pt. 6, Ch. 1, Subch. 1.] |

**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 | | The instream temperature of the Yazoo River shall be measured instantaneously, twice per month at the following locations: two hunderd (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 90ºF after mixing nor shall it cause it to change more than 5ºF above natural conditions. The instream temperature monitoring shall be submitted at the time of the DMR submittal as a separate report. The report shall contain the date and approximate time of sampling, sampling location, temperature measurements, and weather conditions (ambient temperature, sky conditions, etc.).<br><br>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] |

## 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, Ch. 1, Subch. 2.] |

**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 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, Ch. 1, Subch. 2.] |

**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 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, Ch. 1, Subch. 2.] |

**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 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, Ch. 1, Subch. 2.] |

# GENERAL INFORMATION

CF Industries Nitrogen LLC
4612 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 | |

# GENERAL INFORMATION

| 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 | 12/31/2015 |
| MSR110144 | CF Industries Nitrogen, LLC | GP-Baseline | 2/11/2013 | 9/28/2015 |
| 2269 | CF Industries | Air-Notification | 2/12/2013 | |

# GENERAL INFORMATION

| 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 |

**Basin:** Yazoo River Basin

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