



State of Mississippi

WATER POLLUTION CONTROL PERMIT



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

THIS CERTIFIES

Mississippi Power Company, Plant Jack Watson
10406 Lorraine Road
Gulfport, MS
Harrison 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: MAR 17 2016

Expires: FEB 28 2021

Permit No. MS0002925

Agency Interest # 927

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Cover Letter, Application Form 2C - Wastewater Discharge Information, Application Form 1 - General Information	

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

Mississippi Power Company, Plant Jack Watson

Subject Item Inventory

Permit Number: MS0002925

Activity ID No.: PER20130002

Subject Item Inventory:

ID	Designation	Description
AI927	927	Power Generation Plant
RPNT1	MS0002925-001	Outfall 001 (Cooling Water Intake Canal)
RPNT2	MS0002925-002	Outfall 002 (Once Through Cooling Water from Units 3-4, including internal outfalls102, 202 and 302) - External Outfall
RPNT3	MS0002925-003	Outfall 003 (Ash Pond Treatment for Ash Transport Wastewater from Units 4 and 5 Commingled with Coal Pile Runoff, and Minor Low Volume Wastes) - External Outfall
RPNT4	MS0002925-302	Outfall 302 (Cooling Tower Blowdown from Unit 5) - Internal Outfall
RPNT5	MS0002925-005	Outfall 005 (Treated Low Volume Wastewater) - External Outfall
RPNT7	MS0002925-102	Outfall 102 (Low Volume Waste from the Water Treatment Plant) - Internal Outfall
RPNT8	MS0002925-202	Outfall 202 (Ash Storage Cell Leachate) - Internal Outfall

Relationships:

Subject Item	Relationship	Subject Item
RPNT4 Outfall 302 (Cooling Tower Blowdown from Unit 5) - Internal Outfall	Releases To	RPNT2 Outfall 002 (Once Through Cooling Water from Units 3-4, including internal outfalls102, 202 and 302) - External Outfall
RPNT7 Outfall 102 (Low Volume Waste from the Water Treatment Plant) - Internal Outfall	Releases To	RPNT2 Outfall 002 (Once Through Cooling Water from Units 3-4, including internal outfalls102, 202 and 302) - External Outfall
RPNT8 Outfall 202 (Ash Storage Cell Leachate) - Internal Outfall	Releases To	RPNT2 Outfall 002 (Once Through Cooling Water from Units 3-4, including internal outfalls102, 202 and 302) - External Outfall

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Receiving Stream Relationships:

Subject Item	Relationship	Receiving Stream
RPNT2 Outfall 002 (Once Through Cooling Water from Units 3-4, including internal outfalls102, 202 and 302) - External Outfall	Discharges Into	Big Lake
RPNT3 Outfall 003 (Ash Pond Treatment for Ash Transport Wastewater from Units 4 and 5 Commingled with Coal Pile Runoff, and Minor Low Volume Wastes) - External Outfall	Discharges Into	Big Lake
RPNT5 Outfall 005 (Treated Low Volume Wastewater) - External Outfall	Discharges Into	Fritz Creek

KEY

ACT = Activity

AREA = Area

CONT = Control Device

IA = Insignificant Activity

MAFO = Animal Feeding Operation

RPNT = Release Point

WDPT = Withdrawal Point

AI = Agency Interest

CAFO = Concentrated Animal Feeding Operation

EQPT = Equipment

IMPD = Impoundment

PCS = PCS

TRMT = Treatment

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

Subject Item: Outfall 001 (Cooling Water Intake Canal)
RPNT00000000001: MS0002925-001

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

Parameter	Discharge Limitations							Monitoring Requirements		
	Quantity / Loading Average	Quantity / Loading Maximum	Quantity / Loading Units	Quality / Conc. Minimum	Quality / Conc. Average	Quality / Conc. Maximum	Quality / Conc. Units	Frequency	Sample Type	Which Months
<i>Flow Effluent</i>	ReportMonthly Average	ReportDaily Maximum	Million Gallons per Day	*****	*****	*****	*****	Continuously	Pump Log	Jan-Dec
<i>pH Effluent</i>	*****	*****	*****	ReportMinimum	*****	ReportMaximum	SU	Weekly	Grab Sampling	Jan-Dec
<i>Temperature (Deg. F) Effluent</i>	*****	*****	*****	*****	ReportMonthly Average	ReportDaily Maximum	degrees F	Continuously	Continuous Recorder	Jan-Dec

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

Subject Item: Outfall 002 (Once Through Cooling Water from Units 3-4, including internal outfalls 102, 202 and 302) - External Outfall
RPNT000000000002: MS0002925-002

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

Parameter	Discharge Limitations							Monitoring Requirements		
	Quantity / Loading Average	Quantity / Loading Maximum	Quantity / Loading Units	Quality / Conc. Minimum	Quality / Conc. Average	Quality / Conc. Maximum	Quality / Conc. Units	Frequency	Sample Type	Which Months
<i>Chlorination Duration Effluent</i>	*****	*****	*****	*****	ReportMonthly Average	120 Daily Maximum	minutes	Daily	Measurement	Jan-Dec
<i>Chlorine, total residual Effluent</i>	ReportMonthly Average	ReportDaily Maximum	pounds per day	*****	0.0528 Monthly Average	0.0915 Daily Maximum	mg/L	Weekly	8 Grab Samples	Jan-Dec
<i>Flow Effluent</i>	ReportMonthly Average	ReportDaily Maximum	Million Gallons per Day	*****	*****	*****	*****	Continuously	Pump Log	Jan-Dec
<i>pH Effluent</i>	*****	*****	*****	ReportMinimum	*****	ReportMaximum	SU	Weekly	Grab Sampling	Jan-Dec
<i>Temperature (Deg. F) Effluent</i>	*****	*****	*****	*****	90 Monthly Average	*****	degrees F	Continuously	Measurement	Jan-Dec

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

Subject Item: **Outfall 003 (Ash Pond Treatment for Ash Transport Wastewater from Units 4 and 5 Commingled with Coal Pile Runoff, and Minor Low Volume Wastes) - External Outfall**
RPNT00000000003: MS0002925-003

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

Parameter	Discharge Limitations							Monitoring Requirements		
	Quantity / Loading Average	Quantity / Loading Maximum	Quantity / Loading Units	Quality / Conc. Minimum	Quality / Conc. Average	Quality / Conc. Maximum	Quality / Conc. Units	Frequency	Sample Type	Which Months
<i>Flow Effluent</i>	ReportMonthly Average	ReportDaily Maximum	Million Gallons per Day	*****	*****	*****	*****	Continuously	Continuous Recorder	Jan-Dec
<i>Oil and grease Effluent</i>	ReportMonthly Average	ReportDaily Maximum	pounds per day	*****	15 Monthly Average	20 Daily Maximum	mg/L	Weekly	Grab Sampling	Jan-Dec
<i>pH Effluent</i>	*****	*****	*****	6.0 Minimum	*****	9.0 Maximum	SU	Weekly	Grab Sampling	Jan-Dec
<i>Solids (Total Suspended) Effluent</i>	ReportMonthly Average	ReportDaily Maximum	pounds per day	*****	30 Monthly Average	100 Daily Maximum	mg/L	Weekly	Grab Sampling	Jan-Dec

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

Subject Item: Outfall 302 (Cooling Tower Blowdown from Unit 5) - Internal Outfall
RPNT00000000004: MS0002925-302

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

Parameter	Discharge Limitations							Monitoring Requirements		
	Quantity / Loading Average	Quantity / Loading Maximum	Quantity / Loading Units	Quality / Conc. Minimum	Quality / Conc. Average	Quality / Conc. Maximum	Quality / Conc. Units	Frequency	Sample Type	Which Months
<i>Chlorination Duration Effluent</i>	*****	*****	*****	*****	ReportMonthly Average	120 Daily Maximum	minutes	Daily	Measurement	Jan-Dec
<i>Chlorine, free available Effluent</i>	ReportMonthly Average	ReportDaily Maximum	pounds per day	*****	0.20 Monthly Average	0.50 Daily Maximum	mg/L	Daily When Discharging	8 Grab Samples	Jan-Dec
<i>Flow Effluent</i>	ReportMonthly Average	ReportDaily Maximum	Million Gallons per Day	*****	*****	*****	*****	Daily When Discharging	Instantaneous Sampling	Jan-Dec
<i>pH Effluent</i>	*****	*****	*****	6.0 Minimum	*****	9.0 Maximum	SU	Weekly when Discharging	Grab Sampling	Jan-Dec
<i>Chromium (Total Recoverable) Effluent</i>	*****	*****	*****	*****	0.20 Annual Average	0.20 Annual Maximum	mg/L	Annually	Grab Sampling	Jan-Dec
<i>Zinc (Total Recoverable) Effluent</i>	*****	*****	*****	*****	1.0 Annual Average	1.0 Annual Maximum	mg/L	Annually	Grab Sampling	Jan-Dec

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

Subject Item: Outfall 005 (Treated Low Volume Wastewater) - External Outfall
RPNT00000000005: MS0002925-005

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

Parameter	Discharge Limitations							Monitoring Requirements		
	Quantity / Loading Average	Quantity / Loading Maximum	Quantity / Loading Units	Quality / Conc. Minimum	Quality / Conc. Average	Quality / Conc. Maximum	Quality / Conc. Units	Frequency	Sample Type	Which Months
<i>Flow Effluent</i>	ReportMonthly Average	ReportDaily Maximum	Million Gallons per Day	*****	*****	*****	*****	Continuously	Continuous Recorder	Jan-Dec
<i>Oil and grease Effluent</i>	ReportMonthly Average	ReportDaily Maximum	pounds per day	*****	15 Monthly Average	20 Daily Maximum	mg/L	Weekly	Grab Sampling	Jan-Dec
<i>pH Effluent</i>	*****	*****	*****	6.0 Minimum	*****	9.0 Maximum	SU	Weekly	Grab Sampling	Jan-Dec
<i>Solids (Total Suspended) Effluent</i>	ReportMonthly Average	ReportDaily Maximum	pounds per day	*****	30 Monthly Average	100 Daily Maximum	mg/L	Weekly	24-hr Composite	Jan-Dec

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

Subject Item: Outfall 102 (Low Volume Waste from the Water Treatment Plant) - Internal Outfall
RPNT00000000007: MS0002925-102

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

Parameter	Discharge Limitations							Monitoring Requirements		
	Quantity / Loading Average	Quantity / Loading Maximum	Quantity / Loading Units	Quality / Conc. Minimum	Quality / Conc. Average	Quality / Conc. Maximum	Quality / Conc. Units	Frequency	Sample Type	Which Months
<i>Flow Effluent</i>	ReportMonthly Average	ReportDaily Maximum	Million Gallons per Day	*****	*****	*****	*****	Daily When Discharging	Measurement	Jan-Dec
<i>Oil and grease Effluent</i>	ReportMonthly Average	ReportDaily Maximum	pounds per day	*****	15 Monthly Average	20 Daily Maximum	mg/L	Weekly	Grab Sampling	Jan-Dec
<i>pH Effluent</i>	*****	*****	*****	6.0 Minimum	*****	9.0 Maximum	SU	Weekly	Grab Sampling	Jan-Dec
<i>Solids (Total Suspended) Effluent</i>	ReportMonthly Average	ReportDaily Maximum	pounds per day	*****	30 Monthly Average	100 Daily Maximum	mg/L	Weekly	Grab Sampling	Jan-Dec

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

Subject Item: Outfall 202 (Ash Storage Cell Leachate) - Internal Outfall
RPNT00000000008: MS0002925-202

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

Parameter	Discharge Limitations							Monitoring Requirements		
	Quantity / Loading Average	Quantity / Loading Maximum	Quantity / Loading Units	Quality / Conc. Minimum	Quality / Conc. Average	Quality / Conc. Maximum	Quality / Conc. Units	Frequency	Sample Type	Which Months
<i>Flow Effluent</i>	ReportMonthly Average	ReportDaily Maximum	Million Gallons per Day	*****	*****	*****	*****	Daily When Discharging	Pump Log	Jan-Dec
<i>Oil and grease Effluent</i>	ReportMonthly Average	ReportDaily Maximum	pounds per day	*****	15 Monthly Average	20 Daily Maximum	mg/L	Weekly	Grab Sampling	Jan-Dec
<i>pH Effluent</i>	*****	*****	*****	6.0 Minimum	*****	9.0 Maximum	SU	Weekly	Grab Sampling	Jan-Dec
<i>Solids (Total Suspended) Effluent</i>	ReportMonthly Average	ReportDaily Maximum	pounds per day	*****	30 Monthly Average	100 Daily Maximum	mg/L	Weekly	Grab Sampling	Jan-Dec

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AI0000000927 (927) Power Generation Plant:

Limitation Requirements:

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

Record-Keeping Requirements:

Condition No.	Condition
R-1	Recording of Results
	<p>For each measurement or sample taken pursuant to the requirements of this permit, the permittee shall maintain records of all information obtained from such monitoring including:</p> <ol style="list-style-type: none">(1) The exact place, date, and time of sampling;(2) The dates the analyses were performed;(3) The person(s) who performed the analyses;(4) The analytical techniques, procedures or methods used; and(5) The results of all required analyses. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(29)(a).]

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Submittal/Action Requirements:

Condition No.	Condition
S-1	<p>Reporting</p> <p>Monitoring results obtained during the previous reporting period shall be summarized and reported on a Discharge Monitoring Report (DMR). DMRs submitted after December 20, 2016, shall be submitted electronically using the MDEQ NetDMR system. From permit issuance until December 20, 2016, DMRs may be submitted electronically or may be reported on EPA Form (No. 3320-1).</p> <p>DMR data must be submitted into the MDEQ NetDMR system or the EPA forms must be postmarked NO LATER THAN THE 28TH DAY OF THE MONTH FOLLOWING THE COMPLETED REPORTING PERIOD. Forms shall be submitted to the Mississippi Environmental Quality Permit Board at the following address: Mississippi Department of Environmental Quality Office of Pollution Control P.O. Box 2261 Jackson, Mississippi 39225.</p> <p>DMRs and all other reports required herein, shall be signed in accordance with 11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(15)(c)(1) of the Mississippi Wastewater Regulations. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(15)c(1), 40 CFR 122.21.(1)(4)(i)]</p>
S-2	<p>Reporting Requirements - Planned Changes</p> <p>The permittee shall give notice to the Permit Board as soon as possible of any planned physical alterations or additions, including but not limited to, a change of operation to the permitted facility. Notice is required in the circumstances that follow:</p> <p>(1) The alteration or addition to a permitted facility may meet one of the criteria for determining whether the facility is a new source in 40 CFR 122.29(b); or</p> <p>(2) The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are not subject to either effluent limitations in the permit or notification requirements under 40 CFR 122.42(a)(1).</p> <p>(3) The alteration or addition results in a significant change in the permittee's sludge use or disposal practices, and such alteration, addition, or change may justify the application of permit conditions that are different from or absent in the existing permit, including notification of additional use or disposal sites not reported during the permit application process or not reported pursuant to an approved land application plan; [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(15)(a).]</p>
S-3	<p>Reporting Requirements - Anticipated Noncompliance</p> <p>The permittee shall give advance notice to the Permit Board of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(29)(b).]</p>

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Submittal/Action Requirements:

Condition No.	Condition
S-4	<p>Noncompliance Notification - Twenty-Four Hour Reporting</p> <p>(1) The permittee shall report any noncompliance which may endanger health or the environment. Any information shall be provided orally within 24 hours from the time the permittee becomes aware of the circumstances. A written submission shall also be provided within 5 days of the time the permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and/or prevent recurrence of the noncompliance.</p> <p>(2) The following shall be included as information which must be reported within 24 hours under this paragraph.</p> <p>(i) Any unanticipated bypass which exceeds any effluent limitation in the permit.</p> <p>(ii) Any upset which exceeds any effluent limitation in the permit.</p> <p>(iii) Violation of a maximum daily discharge limitation for any of the pollutants listed by the Permit Board in the permit to be reported within 24 hours.</p> <p>(iv) The Executive Director may waive the written report on a case-by-case basis for reports under paragraph (1) of this section if the oral report has been received within 24 hours.</p> <p>All reports required by this condition which are submitted after December 20, 2020, shall be submitted by the permittee electronically as instructed by MDEQ. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(29)(e)., 40 CFR 122.41.(1)(6)]</p>
S-5	<p>Noncompliance Notification - Other Noncompliance</p> <p>The permittee shall report all instances of noncompliance not reported under the twenty-four hour reporting requirements, at the time monitoring reports are submitted or within 30 days from the end of the month in which the noncompliance occurs. The reports shall contain the same information as is required under the twenty-four hour reporting requirements contained in this permit.</p> <p>All reports required by this condition which are submitted after December 20, 2020, shall be submitted by the permittee electronically as instructed by MDEQ. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(29)(f)., 40 CFR 122.41.(1)(7)]</p>

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Submittal/Action Requirements:

Condition No.	Condition
S-6	<p>Noncompliance Notification - Other Information</p> <p>Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the Permit Board, it shall promptly submit such facts or information. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(29)(g).]</p>
S-7	<p>Bypassing -Notice</p> <p>Anticipated bypass- If the permittee knows in advance of the need for a bypass, it shall submit prior notice, if possible at least ten days before the date of the bypass.</p> <p>Unanticipated bypass- The permittee shall submit notice of an unanticipated bypass as required by the twenty-four hour reporting requirements set forth in this permit.</p> <p>All reports required by this condition which are submitted after December 20, 2020, shall be submitted by the permittee electronically as instructed by MDEQ. [40 CFR 122.41.(m)(3)(i, ii)]</p>
S-8	<p>Expiration of Permit</p> <p>At least 180 days prior to the expiration date of this permit pursuant to the State law and regulation, the permittee who wishes to continue to operate under this permit shall submit an application to the Permit Board for reissuance. The Permit Board may grant permission to submit an application later than this, but no later than the expiration date of the permit. [11 Miss. Admin. Code Pt. 6, R. 1.1.5.B(1).]</p>

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Submittal/Action Requirements:

Condition No.	Condition
S-9	<p>Requirements Regarding Cooling and Boiler Water Additives</p> <p>Notification shall be made to the permitting authority in writing not later than sixty (60) days prior to initiating the addition of any chemical product to the cooling water and/or boiler water which is subject to discharge, other than those previously approved and/or used. Such notification should include, but not be limited to:</p> <ul style="list-style-type: none">(1) Name and composition of the proposed additive,(2) Proposed discharge concentration,(3) Dosage addition rates,(4) Frequency of use,(5) EPA registration, if applicable, and(6) Aquatic species toxicological data. <p>Written approval must be received from the permitting authority prior to initiating use. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(14).]</p>

Narrative Requirements:

Definitions:

Condition No.	Condition
T-1	<p>Definitions: General</p> <p>The permittee shall refer to 11 Miss. Admin. Code Pt. 6, R. 1.1.1.A for definitions of any permit term not specified in this permit. [11 Miss. Admin. Code Pt. 6, R. 1.1.1.A.]</p>

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Narrative Requirements:

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

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Narrative Requirements:

Condition No.	Condition
T-7	<p>Definitions: Weekly Average</p> <p>"Weekly average" means the average of "daily discharges" over a calendar week, calculated as the sum of all "daily discharges" measured during a calendar week divided by the number of "daily discharges" measured during that week. The weekly average for 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).]</p>
T-8	<p>Definitions: Quarterly Average</p> <p>"Quarterly Average" means the average of "daily discharges" over a three month period, calculated as the sum of all "daily discharges" measured during the quarter divided by the number of "daily discharges" measured during the quarter. The quarterly average for 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).]</p>
T-9	<p>Definitions: Quarterly Maximum</p> <p>"Quarterly Maximum" means the highest "daily discharge" measured over a three-month period. [11 Miss. Admin. Code Pt. 6, R.1.1.1.A(62).]</p>
T-10	<p>Definitions: Maximum Monthly Average</p> <p>Maximum Monthly Average means the highest "monthly average" over a monitoring period. [40 CFR 122]</p>
T-11	<p>Definitions: Yearly Average</p> <p>"Yearly Average" means the average of "daily discharges" over a calendar year, calculated as the sum of all "daily discharges" measured during the calendar year divided by the number of "daily discharges" measured during the calendar year. The yearly average for 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).]</p>

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Condition No.	Condition
T-12	Definitions: Yearly Maximum "Yearly Maximum" means the highest "daily discharge" measured over a calendar year. [11 Miss. Admin. Code Pt. 6, R. 1.1.1.A(88).]
T-13	Definitions: "Submitted" means the document is postmarked on or before the applicable deadline, except as otherwise specified. [11 Miss. Admin. Code Pt. 6, R. 1.1.1.A(67).]
Condition No.	Condition
T-14	There shall be no discharge of polychlorinated biphenyl compounds such as those commonly used for transformer fluid. [11 Miss. Admin. Code Pt. 6, Ch. 1, Subch. 2.]
T-15	There shall be no discharge of chemical metal cleaning waste. [11 Miss. Admin. Code Pt. 6, Ch. 1, Subch. 2.]
T-16	The permittee shall achieve compliance with the effluent limitations specified for discharge in accordance with the following schedule: Upon Permit Issuance. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(9).]
T-17	Within 14 days after either an interim or final date of compliance specified by this permit, the permittee shall provide the Permit Board with written notice of his compliance or noncompliance with the requirements or conditions specified to be completed by that date. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(10).]
T-18	Representative Sampling Samples and measurements taken as required herein shall be representative of the volume and nature of the monitored wastewater. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(28)(e).]

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T-19	<p>Reporting</p> <p>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.]</p>
T-20	<p>Reporting</p> <p>If the permittee monitors any pollutant as prescribed in the permit more frequently than required by the permit using test procedures approved under 40 CFR Part 136 or, in the case of sludge use or disposal, approved under 40 CFR Part 136 unless otherwise specified in 40 CFR Part 503, or as specified in the permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR or sludge reporting form specified by the Permit Board. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(15)(c)(2).]</p>
T-21	<p>Reporting</p> <p>Calculations for all limitations which require averaging of measurements shall utilize an arithmetic mean unless otherwise specified by the Permit Board in the permit. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(15)(c)(3).]</p>
T-22	<p>Test Procedures</p> <p>Test procedures for the analysis of pollutants shall include those set forth in 40 CFR 136 or alternative procedures approved and/or promulgated by EPA. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(30).]</p>

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Condition No.	Condition
T-23	<p>Records Retention</p> <p>All records and results of monitoring activities required by this permit, including calibration and maintenance records, shall be retained by the permittee for a minimum of three (3) years, unless otherwise required or extended by the Permit Board, copies of which shall be furnished to the Department upon request. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(29)(a).]</p>
T-24	<p>Falsifying Reports</p> <p>Any permittee who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required by the Permit Board to be maintained as a condition in a permit, or who alters or falsifies the results obtained by such devices or methods and/or any written report required by or in response to a permit condition, shall be deemed to have violated a permit condition and shall be subject to the penalties provided for a violation of a permit condition pursuant to Section 49-17-43 of the Code. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(29)(d).]</p>
T-25	<p>Facility Expansion and/or Modification</p> <p>Any facility expansion, production increases, process modifications, changes in discharge volume or location or other changes in operations or conditions of the permittee which may result in a new or increased discharge of waste, shall be reported to the Permit Board by submission of a new application for a permit pursuant to 11 Miss. Admin. Code Pt. 6, R. 1.1.2.A. of the Mississippi Wastewater Regulations, or if the discharge does not violate effluent limitations specified in the permit, by submitting to the Permit Board a notice of a new or increased discharge. [11 Miss. Admin. Code Pt. 6, R. 1.1.2.A.]</p>
T-26	<p>Duty to Comply</p> <p>The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the Clean Water Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(2).]</p>

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Condition No.	Condition
T-27	<p>Proper Operation, Maintenance and Replacement</p> <p>The permittee shall at all times properly operate, maintain, and when necessary, promptly replace all facilities and systems of collection, treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance includes adequate laboratory controls and appropriate quality assurance procedures. Proper replacement includes maintaining an adequate inventory of replacement equipment and parts for prompt replacement when necessary to maintain continuous collection and treatment of wastewater. This provision requires the operation of back-up or auxiliary facilities or similar systems that are installed by a permittee only when the operation is necessary to achieve compliance with the conditions of the permit. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(18).]</p>
T-28	<p>Duty to Mitigate</p> <p>The permittee shall take all reasonable steps to minimize or prevent any discharge or sludge use or disposal in violation of the permit that has a reasonable likelihood of adversely affecting human health or the environment. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(19).]</p>
T-29	<p>Bypassing</p> <p>The permittee shall comply with the terms and conditions regarding bypass found in 40 CFR 122.41(m). [40 CFR 122.41(m)]</p>
T-30	<p>Bypassing - Definitions</p> <p>"Bypass" means the intentional diversion of waste streams from any portion of a treatment facility.</p> <p>"Severe property damage" means substantial physical damage to property, damage to the treatment facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production. [40 CFR 122.41(m)]</p>
T-31	<p>Bypassing - Bypass not exceeding limitations</p> <p>The permittee may allow any bypass to occur which does not cause effluent limitations to be exceeded, but only if it also is for essential maintenance to assure efficient operation. These bypasses are not subject to the notice and prohibition provisions of the bypass requirements in this permit. [40 CFR 122.41(m)]</p>

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T-32	<p>Bypassing- Prohibition of Bypass</p> <p>(1) Bypass is prohibited, and the Commission may take enforcement action against a permittee unless:</p> <p>(i) Bypass was unavoidable to prevent loss of life, personal injury, or sever property damage.</p> <p>(ii) There was no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgement to prevent a bypass which occurred during normal periods of equipment downtime or preventative maintenance; and</p> <p>(iii) The permittee submitted notices as required under the Twenty-Four Hour reporting requirements set forth in this permit.</p> <p>(2) The Commission may approve an anticipated bypass, after considering its adverse affects, if the Commission determines that it will meet the three conditions listed above in paragraph (1) of this permit condition. [40 CFR 122.41(m)]</p>
T-33	<p>Upsets</p> <p>The permittee shall meet the conditions of 40 CFR 122.41(n) regarding "Upsets" and as in the upset requirements of this permit. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(27).]</p>
T-34	<p>Upsets- Definition</p> <p>"Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with technology based permit effluent limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(27).]</p>
T-35	<p>Upsets - Effect of an Upset</p> <p>An upset constitutes an affirmative defense to an action brought for noncompliance with such technology based permit effluent limitations if the "conditions necessary for demonstration of upset" requirements of this permit are met. Any determination made during administrative review of claims that noncompliance was caused by upset, and before an action for noncompliance, shall not constitute final administrative action subject to judicial review. [11 Miss. Admin. Code Pt. 6, R.1.1.4.A(27).]</p>

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T-36	<p>Upsets - Conditions necessary for demonstration of upset</p> <p>A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed contemporaneous operating logs, or other relevant evidence that:</p> <ul style="list-style-type: none">(1) An upset occurred and that the permittee can identify the cause(s) of the upset;(2) The permitted facility was at the time being properly operated;(3) The permittee submitted notice of the upset as required in 40 CFR 122.41(L)(6)(ii)(B)(24-hour notice of noncompliance); and(4) The permittee complied with any remedial measures required under 40 CFR 122.41(d) (Duty to Mitigate). [11 Miss. Admin. Code Pt. 6, R.1.1.4.A(27).]
T-37	<p>Upsets - Burden of proof</p> <p>In any enforcement proceeding the permittee seeking to establish the occurrence of an upset has the burden of proof. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(27).]</p>
T-38	<p>Removed Substances</p> <p>Solids, sludges, filter backwash, or other residuals removed in the course of treatment or control of wastewater shall be disposed of in a manner such as to prevent such materials from entering State waters and in a manner consistent with the Mississippi Solid Waste Disposal Act, the Federal Resource Conservation and Recovery Act, and the Mississippi Water Pollution Control Act. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(21).]</p>
T-39	<p>Power Failures</p> <p>If electric power is required, in order to maintain compliance with the conditions and prohibitions of the permit, the permittee shall either:</p> <ul style="list-style-type: none">(1) Provide an alternative power source to operate the wastewater control facilities; or, if such alternative power source is not in existence, and no date for its implementation appears in the permit,(2) Halt, reduce, or otherwise control production and/or all wastewater flows upon reduction, loss, or failure of the primary source of power to the wastewater control facilities. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(22).)]

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T-40	<p>Inspection and Entry</p> <p>The permittee shall allow any authorized Commission representative to enter the permittee's premises at any reasonable time, to have access to and copy any applicable records, to inspect process facilities, treatment works, monitoring methods or equipment or to take samples, as authorized by Section 49-17-21 of the Code. In the event of investigation during an emergency response action, a reasonable time shall be any time of the day or night. Follow-up investigations subsequent to the conclusion of the emergency event shall be conducted at reasonable times. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(17).]</p>
T-41	<p>Transfer of Ownership or Control</p> <p>This permit is not transferable to any person without proper modification of this permit following procedures found in [11 Miss. Admin. Code Pt. 6, R. 1.1.5.C.]</p>
T-42	<p>Signatory Requirements</p> <p>All applications, reports, or information submitted to the Permit Board shall be signed and certified. [11 Miss. Admin. Code Pt. 6, R. 1.1.2.C.]</p>

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T-43	<p>Signatory Requirements - Application Signatures</p> <p>All permit applications shall be signed as follows:</p> <p>(1) For a corporation: by a responsible corporate officer. For the purpose of this Section, a responsible corporate officer means: (i) a president, secretary, treasurer or vice president of the corporation in charge of a principal business function, or any other person who performs similar policy - or decision-making function for the corporation, or (ii) the manager of one or more manufacturing, production, or operating facilities provided, the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.</p> <p>(2) For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or</p> <p>(3) For a municipality, State, Federal, or other public agency: by either a principal executive officer or ranking elected official. [11 Miss. Admin. Code Pt. 6, R. 1.1.2.C.]</p>
T-44	<p>Signatory Requirements -Reports and Other Information</p> <p>All reports required by the permit and other information requested by the Permit Board shall be signed by a person described by the application signature requirements in this permit or by a duly authorized representative of that person. A person is a duly authorized representative only if:</p> <p>(1) The authorization is made in writing by a person described by the application signature requirements;</p> <p>(2) The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity, such as the position of plant manager, operator of a well or a well field, superintendent, position having overall responsibility for environmental matters for the company. (A duly authorized representative may thus be either a named individual or any individual occupying a named position.); and</p> <p>(3) The written authorization is submitted to the Permit Board. [11 Miss. Admin. Code Pt. 6, R. 1.1.2.C.]</p>

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T-45	<p>Signatory Requirements - Changes to Authorization</p> <p>If an authorization under the signatory requirements of this permit is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the signatory requirements of this permit must be submitted to the Permit Board prior to or together with any reports, information, or applications. [11 Miss. Admin. Code Pt. 6, R. 1.1.2.C.]</p>
T-46	<p>Signatory Requirements - Certification</p> <p>Any person signing a document under the signatory requirements stated in this permit shall make the following certification:</p> <p>"I certify under penalty of law that this document and all attachments were prepared under the direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations." [11 Miss. Admin. Code Pt. 6, R. 1.1.2.C.]</p>
T-47	<p>Availability of Records</p> <p>Except for information deemed to be confidential under the Mississippi Code Ann. 49-17-39 and 40 CFR 123.41, file information relating to this permit shall be made available for public inspection and copying during normal business hours at the office of the Department of Environmental Quality in Jackson, Mississippi. Written request must be provided in accordance with policies developed by the Commission and must state, specifically, records proposed for review, date proposed for review and copying requirements. [11 Miss. Admin. Code Pt. 6, R. 1.1.3.E.]</p>
T-48	<p>Duty to Provide Information</p> <p>The permittee shall furnish to the Permit Board within a reasonable time any relevant information which the Permit Board may request to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit, or to determine compliance with the permit. The permittee shall also furnish to the Permit Board upon request, copies of records required to be kept by the permit. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(16).]</p>

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T-49	<p>Toxic Pollutants</p> <p>The permittee shall comply with any toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) established under Section 307(a) of the Federal Water Pollution Control Act. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(26).]</p>
T-50	<p>Toxic Pollutants Notification Requirements</p> <p>The permittee shall comply with the applicable provisions of 40 CFR 122.42. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(26).]</p>
T-51	<p>Civil and Criminal Liability</p> <p>(1) Any person who violates a term, condition or schedule of compliance contained within this permit or the Mississippi Water Pollution Control Law is subject to the actions defined by law.</p> <p>(2) Except as provided in permit conditions on "Bypassing" and "Upsets", nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance.</p> <p>(3) It shall not be the defense of the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(24).]</p>
T-52	<p>Oil and Hazardous Substance Liability</p> <p>Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject to under Section 311 of the Federal Water Pollution Control Act and applicable provisions under Mississippi Law pertaining to transportation, storage, treatment, or spillage of oil or hazardous substances. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(23).]</p>
T-53	<p>Property Rights</p> <p>The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State, or local laws or regulations. [11 Miss. Admin. Code Pt. 6, R. 1.1.5. E.]</p>

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T-54	<p>Severability</p> <p>The provisions of this permit are severable. If any provision of this permit, or the application of any provision of this permit to any circumstances, is challenged or held invalid, the validity of the remaining permit provisions and/or portions thereof or their application to other persons or sets of circumstances, shall not be affected thereby. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(25).]</p>
T-55	<p>Protection of Confidential Information</p> <p>(1) Pursuant to Miss. Code Ann. ' 49-17-39 and 40 CFR 123.41, the Permit Board shall make available to the public all information contained on any form and all public comments on such information. Effluent data and information concerning air or water quality shall also be made available to the public. Information that is determined by the Commission to be trade secrets shall not be disclosed to the public without prior consent of the source of such information. When a claim of confidentiality is made by a person in accordance with the provisions of Miss. Code Ann. ' 49-17-39, a recommendation on the questions of confidentiality shall be made by the Commission and forwarded to the Regional Administrator (or his/her designee) of EPA for his concurrence in such determination of confidentiality. [11 Miss. Admin. Code Pt. 6, R. 1.1.3.F.]</p>
T-56	<p>Protection of Confidential Information- continued</p> <p>(2) A copy of a State, UIC, or NPDES permit application, public notice, fact sheet, draft permit and other forms relating thereto, including written public comment and other reports, files and information relating to the application not classified as confidential information by the Commission pursuant to part (1) of this requirement, shall be available for public inspection and copying during normal business hours at the office of the Department in Jackson, Mississippi. [11 Miss. Admin. Code Pt. 6, R. 1.1.3.F.]</p>

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T-57	<p>Protection of Confidential Information- continued</p> <p>(3) Upon determination by the Commission that information submitted by a permit applicant is entitled to protection against disclosure as trade secrets, the information shall be so labeled and otherwise handled as confidential. Copies of the information and a notice of the Commission's action shall be forwarded to the Regional Administrator (or his/her designee). In making its determination of entitlement to protection as a trade secret, the Commission shall follow the procedure set forth in Miss. Code Ann. ' 49-17-39. In the event the Commission denies the claim of confidentiality, the applicant shall have, upon notification thereof, the right to appeal the Commission's determination in the same manner provided for other orders of the Commission. No disclosure, except to EPA, shall be allowed until any appeal from the determination of the Commission is completed. [11 Miss. Admin. Code Pt. 6, R. 1.1.3.F.]</p>
T-58	<p>Spill Prevention and Best Management Plans</p> <p>Any permittee which has above ground bulk storage capacity, of more than 1320 gallons or any single container with a capacity greater than 660 gallons, of materials and/or liquids (including but not limited to, all raw, finished and/or waste material) with chronic or acute potential for pollution impact on waters of the State and not subject to Mississippi Hazardous Waste Management Regulations or 40 CFR 112 (Oil Pollution Prevention) regulations shall provide secondary containment as found in 40 CFR 112 or equivalent protective measures such as trenches or waterways which would conduct any tank releases to a permitted treatment system or sufficient equalization or treatment capacity needed to prevent chronic/acute pollution impact. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(12)(a).]</p>
T-59	<p>Reopener Clause</p> <p>This permit shall be modified, or alternately, revoked and reissued, to comply with any applicable effluent standard, limitation or storm water regulation issued or approved under Section 301(b)(2)(C), and (D), 304(b)(2), 307(a)(2) and 402(p) of the Federal Water Pollution Control Act if the effluent standard, limitation or regulation so issued or approved:</p> <ol style="list-style-type: none">1. Contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or2. Controls any pollutant not limited in the permit.3. This permit shall be modified to reflect any additional or otherwise more stringent limitations and additional monitoring as determined to be necessary by the results of a Completed TMDL. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.F(1).]

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Condition No.	Condition
T-60	<p>Closure Requirements</p> <p>Should the permittee decide to permanently close and abandon the premises upon which it operates, it shall provide a Closure Plan to the Permit Board no later than 90 days prior to doing so. This Closure Plan shall address how and when all manufactured products, by-products, raw materials, stored chemicals, and solid and liquid waste and residues will be removed from the premises or permanently disposed of on site such that no potential environmental hazard to the waters of the State will be presented. Closure plan(s) submitted to and approved by Mississippi Department of Environmental Quality for compliance with other environmental regulations will satisfy the closure requirements for those items specifically addressed in the closure plan(s) as long as the closure does not present a potential for environmental hazard to waters of the State. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(11).]</p>
T-61	<p>Permit Actions</p> <p>The permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a modification of planned changes or anticipated noncompliance, does not stay any permit condition. [11 Miss. Admin. Code Pt. 6, R. 1.1.5.C(5).]</p>

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RPNT0000000001 (MS0002925-001) Outfall 001 (Cooling Water Intake Canal):

Submittal/Action Requirements:

Condition No.	Condition
S-1	316(b) Application Requirements The permittee shall submit the information required by 40 CFR 122.21 (r) at least 180 days prior to the expiration date of the permit. [40 CFR 122.21.(r), 40 CFR 122.21 .(d)]
S-2	The Permittee shall submit analytical results on a monthly Discharge Monitoring Report (DMR): Due monthly, by the 28th of the subsequent month. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(15)c]

Narrative Requirements:

Condition No.	Condition
T-1	Samples taken in compliance with the monitoring requirements specified on page 1 of 7 in this permit shall be taken at the following location(s): The Intake Structure. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(28)]
T-2	The permittee's cooling water intake structures shall be operated in a manner that will minimize adverse environmental impact. All debris removed by the intake screens shall be collected and disposed of by sanitary landfill or other acceptable method. Viable aquatic organisms removed by the screens may be returned to the natural habitat at a point distant from the intake area. [11 Miss. Admin. Code Pt. 6, Ch. 1, Subch. 1.]
T-3	316 (b) Requirement The current technology is being accepted as Best Technology Available (BTA). [40 CFR 125.98.(b)(6)]

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RPNT0000000002 (MS0002925-002) Outfall 002 (Once Through Cooling Water from Units 3-4, including internal outfalls102, 202 and 302) - External Outfall:

Submittal/Action Requirements:

Condition No.	Condition
S-1	Within one year of permit issuance, the permittee shall submit a 316 (a) study plan to MDEQ for review and approval. The study plan will outline the approach the permittee will implement in order to provide adequate information to MDEQ to support the variance request under 316(a) pertaining to the permittee's thermal effluent discharge. The study plan should provide MDEQ with adequate information to establish alternative thermal effluent limitations that will ensure the protection and propagation of a balanced, indigenous community (BIC) in and on the waters into which a thermal discharge is made. At a minimum, the study plan objectives should address the following: characterization of the current thermal treatment technology and need for the variance, characterization of temperature within the receiving waterbody, delineation of the thermal discharge plume in the receiving waterbody, and characterization and assessment of the waterbody's biological community and a proposed timeline for the study. Upon approval of the study plan, the facility must conduct the proposed study and submit the results to MDEQ in support of any reauthorization request for future Clean Water Act Section 316 (a) thermal variance request. [11 Miss. Admin. Code Pt. 6, Ch. 1, Subch. 1.]
S-2	The Permittee shall submit analytical results on a monthly Discharge Monitoring Report (DMR): Due monthly, by the 28th of the subsequent month. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(15)c]

Narrative Requirements:

Condition No.	Condition
T-1	Chlorine testing is required only when chlorine is being utilized and/or is present in the once-through cooling water. [11 Miss. Admin. Code Pt. 6, Ch. 1, Subch. 1.]
T-2	Neither total residual chlorine nor free available chlorine may be discharged from any single generation unit for more than two hours per day unless the permittee demonstrates to the Permit Board that discharge for more than two hours is required for macroinvertebrate control. [11 Miss. Admin. Code Pt. 6, Ch. 1, Subch. 1.]
T-3	Samples taken in compliance with the monitoring requirements specified on page 2 of 7 in this permit shall be taken at the following location(s): the nearest accessible point following combination of discharges from all unit condensers and final treatment but prior to entering the receiving water; time of chlorine addition at point of chlorine addition. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(28)]
T-4	Total Residual Chlorine daily maximum shall mean the instantaneous maximum. [11 Miss. Admin. Code Pt. 6, Ch. 1, Subch. 1.]

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RPNT0000000002 (MS0002925-002) Outfall 002 (Once Through Cooling Water from Units 3-4, including internal outfalls102, 202 and 302) - External Outfall:

Narrative Requirements:

Condition No.	Condition
T-5	Monitoring for Total Residual Chlorine is waived when chlorination is instituted for the service water system as detailed in the application for modification. Chlorine dosage logs for the service water system must be maintained on site for inspection. Prior to increasing chlorine dosage for this system, the permittee must obtain written approval from the Permit Board. This requirement was added during the July 22, 1999 modification. [11 Miss. Admin. Code Pt. 6, Ch. 1, Subch. 1.]
T-6	Measurement of chlorine duration and temperature shall be recorded on a log sheet or an approved alternate recordkeeping method. [11 Miss. Admin. Code Pt. 6, Ch. 1, Subch. 1.]
T-7	8 Grab Samples shall consist of one grab sample taken every fifteen minutes for the duration of a single chlorine release period, which shall not exceed two hours resulting in a maximum of eight (8) individual grab samples. [11 Miss. Admin. Code Pt. 6, Ch. 1, Subch. 1.]
T-8	<p>Temperature Requirements for Outfall Serial No. 002</p> <p>The monthly average temperature at the edge of the mixing zone, as identified in Attachment "A", shall not exceed 32.2 degrees celsius (90 degrees fahrenheit). The monthly average temperature is defined as the sum of the daily average temperature for the month divided by the number of days in the month. The daily average temperature is defined as the sum of the temperature readings taken at four (4) hour intervals in a given twenty-four hour period divided by six (6).</p> <p>Temperature of Big Lake shall be monitored with two (2) continuously recording instruments located immediately outside the mixing zone as defined in Attachment "A". [11 Miss. Admin. Code Pt. 6, Ch. 1, Subch. 1.]</p>
T-9	The once through cooling tower located in the Discharge Conveyance for Outfall Serial No. 002 shall be operated during the period of June 1 through October 31 of each year when any generating unit is operating on the once through cooling water circuit. [11 Miss. Admin. Code Pt. 6, Ch. 1, Subch. 1.]
T-10	<p>Definitions Applicable to Outfall Serial No. 002</p> <p>a) "Once through cooling water" shall mean water passed through the main condenser in one or two passes for the purpose of removing waste heat.</p> <p>b) "Average concentration" as related to chlorine shall mean the average of analytical results determined over a single period of chlorine release. [11 Miss. Admin. Code Pt. 6, Ch. 1, Subch. 1.]</p>

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RPNT0000000003 (MS0002925-003) Outfall 003 (Ash Pond Treatment for Ash Transport Wastewater from Units 4 and 5 Commingled with Coal Pile Runoff, and Minor Low Volume Wastes) - External Outfall:

Submittal/Action Requirements:

Condition No.	Condition
S-1	Submit a report: Due annually - every 1 year after effective date. The permittee shall annually report the storage volume available in the ash pond. In addition, the permittee shall annually report the volume of stormwater that could be discharged to the ash pond as a result of a 10-year, 24-hour rainfall. This report shall include data on acreage, rainfall intensity, and runoff coefficient and shall be representative of facility operations and discharge configurations at the time of report submission. [11 Miss. Admin. Code Pt. 6, Ch. 1, Subch. 1.]
S-2	The Permittee shall submit analytical results on a monthly Discharge Monitoring Report (DMR): Due monthly, by the 28th of the subsequent month. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(15)c]

Narrative Requirements:

Condition No.	Condition
T-1	Samples taken in compliance with the monitoring requirements specified on page 3 of 7 in this permit shall be taken at the following locations(s): the nearest accessible point following final treatment but prior to entering the discharge canal. During sampling periods in which high tide conditions influence access to the routine sampling point, samples may be collected at the weir box. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(28)]
T-2	Maintenance of adequate ash pond capacity shall be required. "Free water Volume" shall be determined and reported on an annual basis. Reporting shall be in accordance with guidance provided in Condition No. S-1 above. [11 Miss. Admin. Code Pt. 6, Ch. 1, Subch. 1.]
T-3	As an additional stipulation, sampling of the parameters specified on page 3 of 7 shall be performed within 24 hours following any rainfall event which is equal to or greater than 50 percent of the 10-year, 24 -hour rainfall amount for the area. Exclusions to the requirement are allowed when hurricane or tropical storm conditions are in effect and effluent sampling would be a risk and endangerment to personnel. Sampling performed following a rainfall event which satisfies the stated criterion (4.5 inches or greater should be identified as such on the Discharge Monitoring Report (EPA Form 3320-1). Frequency of sampling under these conditions should be performed no less than twice per year. [11 Miss. Admin. Code Pt. 6, Ch. 1, Subch. 1.]

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RPNT0000000004 (MS0002925-302) Outfall 302 (Cooling Tower Blowdown from Unit 5) - Internal Outfall:

Submittal/Action Requirements:

Condition No.	Condition
S-1	Due annually by the 28th of January. The permittee shall, not less than once per year, certify that chemicals added for cooling tower maintenance, including such chemicals used for corrosion inhibition, do not result in the discharge via cooling tower blowdown of any of the 126 priority pollutants (excluding chromium and zinc) in detectable concentrations. Additionally, once for each product used for cooling tower maintenance (unless subsequent changes in the product formulation occur or, the product is obtained from a different source), compliance shall be demonstrated by submission of certification from the manufacturer that such product contains no priority pollutants or, if any of the 126 priority pollutants are contained in such product, calculations which show that the addition of such product does not result in the discharge of that individual priority pollutant at concentrations greater than "not detectable" as stated under 40 CFR 423.13(d)(3). The permittee shall measure compliance utilizing the appropriate analytical methods described in 40 CFR part 136. [11 Miss. Admin. Code Pt. 6, Ch. 1, Subch. 1.]
S-2	The Permittee shall submit analytical results on a monthly Discharge Monitoring Report (DMR): Due monthly, by the 28th of the subsequent month. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(15)c]
S-3	Within 30 days of re-routing the Unit 5 Cooling Tower Blowdown (Internal Outfall 302) to the Once-Through Cooling Water Canal, the permittee must notify MDEQ. This notification shall include the date that this discharge was re-routed. [11 Miss. Admin. Code Pt. 6, Ch. 1, Subch. 1.]
S-4	The Permittee shall submit analytical results on an annual Discharge Monitoring Report (DMR): Due annually by the 28th of January. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(28)]

Narrative Requirements:

Condition No.	Condition
T-1	Neither total residual chlorine nor free available chlorine may be discharged from any unit for more than two hours in any one day and not more than one unit may discharge free available or total residual chlorine at any one time. [11 Miss. Admin. Code Pt. 6, Ch. 1, Subch. 1.]
T-2	Samples taken in compliance with monitoring requirements specified on page 4 of 7 in this permit shall be taken at the following location(s): the nearest accessible point following discharge from the cooling tower but prior to entering and/or mixing with the receiving waters. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(28)]
T-3	In the event of an unanticipated discharge (overflow event), no written notification will be required provided that documentation is maintained and all permit limitations are met. This documentation shall be available for review upon request. [11 Miss. Admin. Code Pt. 6, Ch. 1, Subch. 1.]

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RPNT0000000004 (MS0002925-302) Outfall 302 (Cooling Tower Blowdown from Unit 5) - Internal Outfall:

Narrative Requirements:

Condition No.	Condition
T-4	Chlorine testing is required only when chlorine is being utilized and/or is present in the source water. [11 Miss. Admin. Code Pt. 6, Ch. 1, Subch. 1.]
T-5	8 Grab Samples shall consist of one grab sample taken every fifteen minutes for the duration of a single chlorine release period, which shall not exceed two hours resulting in a maximum of eight (8) individual grab samples. [11 Miss. Admin. Code Pt. 6, Ch. 1, Subch. 1.]
T-6	The average chlorine concentration means the average of analysis made over a single period of chlorine release which does not exceed two hours. [11 Miss. Admin. Code Pt. 6, Ch. 1, Subch. 1.]
T-7	See Condition No. S-9 on page 5 of 30 for cooling tower additive requirements. [11 Miss. Admin. Code Pt. 6, Ch. 1, Subch. 1.]

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RPNT0000000005 (MS0002925-005) Outfall 005 (Treated Low Volume Wastewater) - External Outfall:

Submittal/Action Requirements:

Condition No.	Condition
S-1	Submit test results: Due as described The permittee shall monitor Outfall 005 for Total Nickel using an EPA approved method. Samples should be collected once per month with a 24-hour composite sample of effluent. Testing should begin in the first month following the effective reissuance date of the permit. All monitoring results shall be submitted to the MDEQ no later than the 28th day of the month following the completed monitoring of all 12 samples for each parameter. The NPDES permit may be modified if data indicates violation of water quality standards. [11 Miss. Admin. Code Pt. 6, Ch. 1, Subch. 1.]
S-2	The Permittee shall submit analytical results on a monthly Discharge Monitoring Report (DMR): Due monthly, by the 28th of the subsequent month. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(15)c]

Narrative Requirements:

Condition No.	Condition
T-1	Samples taken in compliance with the monitoring requirements specified on page 5 of 7 in this permit shall be taken at the following locations(s): the nearest accessible point following final treatment but prior to mixing with the receiving waters. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(28)]

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RPNT0000000007 (MS0002925-102) Outfall 102 (Low Volume Waste from the Water Treatment Plant) - Internal Outfall:

Submittal/Action Requirements:

Condition No.	Condition
S-1	Within 30 days of re-routing low volume waste (Outfall 102) from the ash pond to the Once-Through Cooling Water Canal, the permittee must notify MDEQ. This notification shall include the date that this discharge was re-routed from the ash pond to the once-through cooling water canal. [11 Miss. Admin. Code Pt. 6, Ch. 1, Subch. 1.]
S-2	The Permittee shall submit analytical results on a monthly Discharge Monitoring Report (DMR): Due monthly, by the 28th of the subsequent month. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(15)c]

Narrative Requirements:

Condition No.	Condition
T-1	Samples taken in compliance with the monitoring requirements specified on page 6 of 7 in this permit for Outfall 102 shall be taken at the nearest accessible point following final treatment but prior to mixing with the once-through-cooling canal waters. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(28)]

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RPNT0000000008 (MS0002925-202) Outfall 202 (Ash Storage Cell Leachate) - Internal Outfall:

Submittal/Action Requirements:

Condition No.	Condition
S-1	Within 30 days of re-routing ash storage cell leachate (Outfall 102) from the ash pond to the Once-Through Cooling Water Canal, the permittee must notify MDEQ. This notification shall include the date that this discharge was re-routed from the ash pond to the once-through cooling water canal. [11 Miss. Admin. Code Pt. 6, Ch. 1, Subch. 1.]
S-2	The Permittee shall submit analytical results on a monthly Discharge Monitoring Report (DMR): Due monthly, by the 28th of the subsequent month. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(15)c]

Narrative Requirements:

Condition No.	Condition
T-1	Samples taken in compliance with the monitoring requirements specified on page 7 of 7 in this permit for Outfall 202 shall be taken at the nearest accessible point following final treatment but prior to mixing with the once-through-cooling canal waters. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(28)]

GENERAL INFORMATION

Mississippi Power Company, Plant Jack Watson
10406 Lorraine Road
Gulfport, MS
Harrison County

Alternate/Historic Identifiers

ID	Alternate/Historic Name	User Group	Start Date	End Date
927	Mississippi Power Company	Official Site Name	11/10/1992	
2804700055	Mississippi Power Co, Plant Jack Watson	Air-AIRS AFS	10/12/2000	
MSD000824995	Mississippi Power Company, Plant Jack Watson	Hazardous Waste-EPA ID	09/15/2000	
I02000055	Mississippi Power Company, Plant Jack Watson	Air-Title V Operating	05/05/1999	05/01/2004
I02000055	Mississippi Power Company, Plant Jack Watson	Air-State Operating	08/08/1995	08/01/2000
MSR000393	Mississippi Power Company, Plant Jack Watson	GP-Baseline	11/10/1992	01/17/2001
MS0002925	Mississippi Power Company, Plant Jack Watson	Water - NPDES	05/12/1997	05/09/2002
MS0002925	Mississippi Power Company, Plant Jack Watson	Water - NPDES	07/22/1999	05/09/2002
MSR000393	Mississippi Power Company, Plant Jack Watson	GP-Baseline	01/17/2001	01/17/2006
MSR102244	Mississippi Power Company, Plant Jack Watson	GP-Construction	07/08/2002	04/05/2005
MS0002925	Mississippi Power Company, Plant Jack Watson	Water - NPDES	05/16/2003	04/30/2008
SW0240040507	Mississippi Power Company	SolidWaste - NonMSW Landfill	10/14/2003	08/14/2013
MSR000393	Mississippi Power Company, Plant Jack Watson	GP-Baseline	01/17/2006	01/10/2011
I02000055	Mississippi Power Company, Plant Jack Watson	Air-Title V Fee Customer	05/05/1999	
WQC2006063	Mississippi Power Company, Biloxi Bay, Biloxi River, Canal, Maintenance Dredging	WQC Number	06/26/2006	
SAM20061043JAM	Mississippi Power Company, Biloxi Bay, Biloxi River, Canal, Maintenance Dredging	COE Public Notice/ Permit Number	06/05/2006	
I02000055	Mississippi Power Company Watson Electric Generating Plant	Air-Construction	09/26/2007	
927	Mississippi Power Company, Plant Jack Watson	Air-Notification	02/06/2008	
35787 001	Mississippi Power Plant Watson	GARD	03/13/1984	
MS0002925	Mississippi Power Company, Plant Jack Watson	Water - NPDES	12/01/2008	11/30/2013
927	Mississippi Power Company, Plant Jack Watson	Air-Notification	12/10/2008	
927	Plant Jack Watson Unit 4	Air-Notification	01/30/2009	
I02000055	Mississippi Power Company Watson Electric Generating Plant	Air-Title V Operating	10/16/2009	09/30/2014
927	annual report	Air-Notification	12/22/2009	

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WQC1986106	Mississippi Power Company, Plant Jack Watson	WQC Number	01/07/1987	
MS8600176I	Mississippi Power Company, Plant Jack Watson	COE Public Notice/ Permit Number	12/31/1986	01/30/1987
WQC1986114	Mississippi Power Company, Plant Jack Watson, Settlement Pond Improvement	WQC Number	03/23/1987	
MS8600187Y	Mississippi Power Company, Plant Jack Watson, Settlement Pond Improvement	COE Public Notice/ Permit Number	03/23/1987	04/23/1987
WQC1992035	Mississippi Power Company, 10 Year Maintenance Dredging Project	WQC Number	02/27/1992	
MS9200313A	Mississippi Power Company, 10 Year Maintenance Dredging Project	COE Public Notice/ Permit Number	02/27/1992	03/27/1992
WQC1999027	Mississippi Power Company, Maintenance Dredging of a Channel in Biloxi River	WQC Number	03/16/1999	
MS9900525F	Mississippi Power Company, Maintenance Dredging of a Channel in Biloxi River	COE Public Notice/ Permit Number	03/16/1999	03/31/1999
WQC1999090	Mississippi Power Company, Maintenance Dredge Biloxi Back Bay	WQC Number	07/23/1999	
MS9902467F	Mississippi Power Company, Maintenance Dredge Biloxi Back Bay	COE Public Notice/ Permit Number	07/23/1999	08/24/1999
WQC1987103	Mississippi Power Company, Dock Extension Project	WQC Number	12/14/1987	
MS8701634Y	Mississippi Power Company, Dock Extension Project	COE Public Notice/ Permit Number	12/09/1987	01/11/1988
WQC1991069	Mississippi Power Company, Maintenance Dredge Intake Canal	WQC Number	07/15/1991	
MS9100918Y	Mississippi Power Company, Maintenance Dredge Intake Canal	COE Public Notice/ Permit Number	07/15/1991	08/05/1991
2049	Mississippi Power Company, Plant Jack Watson	Air: ORIS ID	10/26/2010	
927	Plant Jack Watson	Air-Notification	01/01/2011	
MSR000393	Mississippi Power Company, Plant Jack Watson	GP-Baseline	01/10/2011	02/26/2016
927	Plant Jack Watson Unit 5	Air-Notification	03/30/2011	
927	Annual Plant Jack Watson	Air-Notification	12/21/2011	
927	Annual	Air-Notification	12/26/2012	
SW0240040507	Mississippi Power Company, Plant Jack Watson Ash Management Unit	SolidWaste - NonMSW Landfill	08/14/2013	07/31/2023
927	Plant Jack Watson	Air-Notification	11/04/2013	
927	Mississippi Power Company Plant Jack Watson Annual	Air-Notification	12/17/2013	
927	Mississippi Power Company Plant Jack Watson	Air-Notification	11/07/2014	
927	Annual	Air-Notification	12/15/2014	
MSR106910	Mississippi Power Company, Plant Jack Watson	GP-Construction	06/03/2015	12/31/2015
927	Electric Generation Plant	Air-Notification	07/02/2015	
927	Plant Jack Watson Coal Unloader	Air-Notification	10/13/2015	

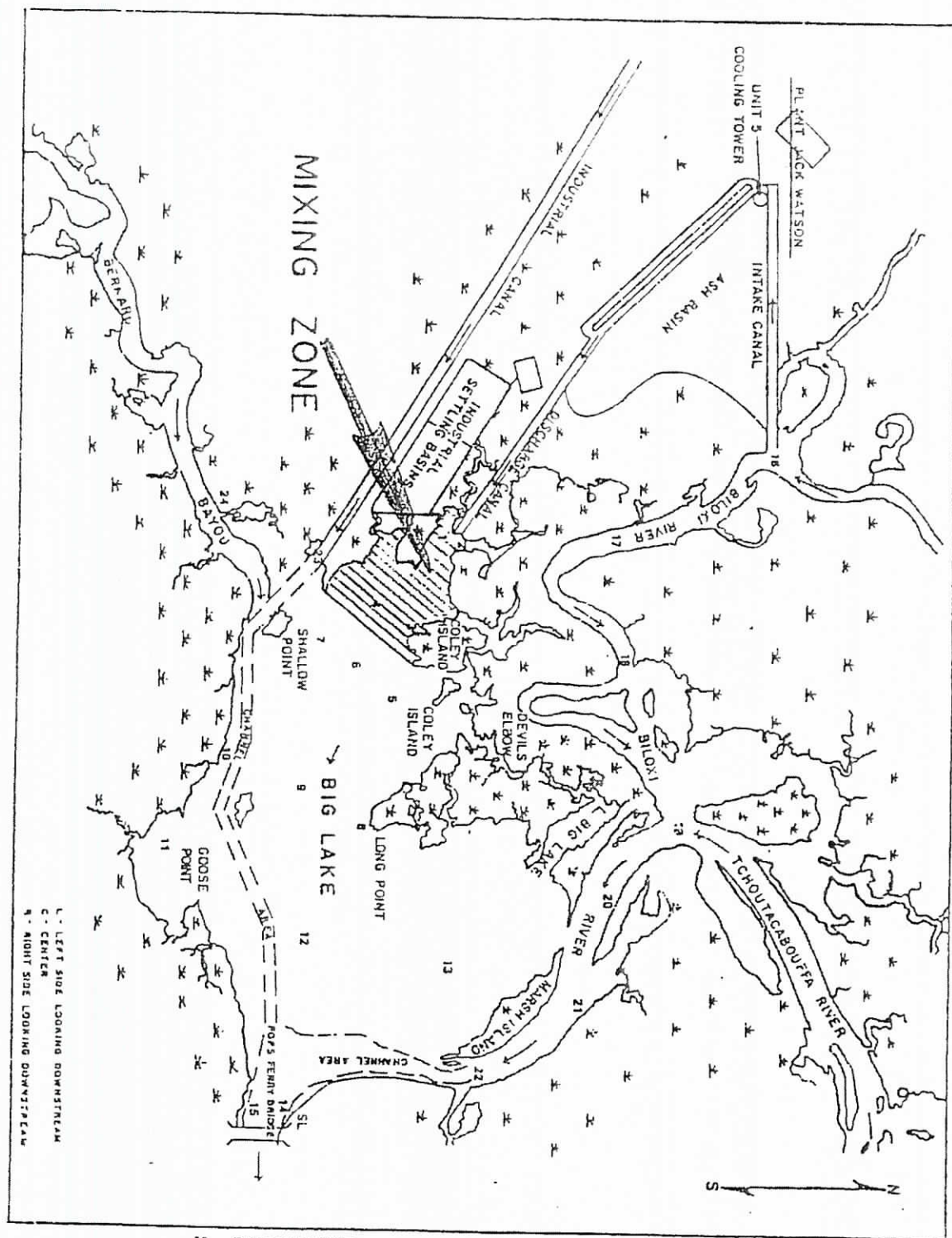
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927	Annual Notification	Air-Notification	12/15/2015	
MSR000393	Mississippi Power Company, Plant Jack Watson	GP-Baseline	02/26/2016	10/31/2020
MS0002925	Mississippi Power Company, Plant Jack Watson	Water - NPDES	03/17/2016	02/28/2021

Basin: Coastal Streams Basin

Location Description: PG- Plant Entrance (General). Data collected by Hamed Fokeladeh on 6/21/2004. Elevation 63 feet.

Relevant Documents: Cover Letter, Application Form 2C - Wastewater Discharge Information, Application Form 1 - General Information



ATTACHMENT "A"

L - LEFT SIDE LOOKING DOWNSTREAM
C - CENTER
R - RIGHT SIDE LOOKING DOWNSTREAM