

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

Entergy Mississippi Inc, Grand Gulf Nuclear Station

Facility Requirements

Permit Number:MS0029521

Activity ID No.: PER20070001

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AI0000002082 (continued):

## Narrative Requirements:

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Condition No.	Condition
T-51	<p>Oil and Hazardous Substance Liability</p> <p>Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject to under Section 311 of the Federal Water Pollution Control Act and applicable provisions under Mississippi Law pertaining to transportation, storage, treatment, or spillage of oil or hazardous substances. [WPC-1 Chapter One Section IV.A(23)]</p>
T-52	<p>Property Rights</p> <p>The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State, or local laws or regulations. [WPC-1 Chapter One Section V.E]</p>
T-53	<p>Severability</p> <p>The provisions of this permit are severable. If any provision of this permit, or the application of any provision of this permit to any circumstances, is challenged or held invalid, the validity of the remaining permit provisions and/or portions thereof or their application to other persons or sets of circumstances, shall not be affected thereby. [WPC-1 Chapter One Section IV.A(25)]</p>
T-54	<p>Protection of Confidential Information</p> <p>(1) Pursuant to Miss. Code Ann. ' 49-17-39 and 40 CFR 123.41, the Permit Board shall make available to the public all information contained on any form and all public comments on such information. Effluent data and information concerning air or water quality shall also be made available to the public. Information that is determined by the Commission to be trade secrets shall not be disclosed to the public without prior consent of the source of such information. When a claim of confidentiality is made by a person in accordance with the provisions of Miss. Code Ann. ' 49-17-39, a recommendation on the questions of confidentiality shall be made by the Commission and forwarded to the Regional Administrator (or his/her designee) of EPA for his concurrence in such determination of confidentiality. [WPC-1 Chapter One Section III.F]</p>
T-55	<p>Protection of Confidential Information- continued</p> <p>(2) A copy of a State, UIC, or NPDES permit application, public notice, fact sheet, draft permit and other forms relating thereto, including written public comment and other reports, files and information relating to the application not classified as confidential information by the Commission pursuant to part (1) of this requirement, shall be available for public inspection and copying during normal business hours at the office of the Department in Jackson, Mississippi. [WPC-1 Chapter One Section III.F]</p>

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Condition No.	Condition
T-56	<p>Protection of Confidential Information- continued</p> <p>(3) Upon determination by the Commission that information submitted by a permit applicant is entitled to protection against disclosure as trade secrets, the information shall be so labeled and otherwise handled as confidential. Copies of the information and a notice of the Commission's action shall be forwarded to the Regional Administrator (or his/her designee). In making its determination of entitlement to protection as a trade secret, the Commission shall follow the procedure set forth in Miss. Code Ann. ' 49-17-39. In the event the Commission denies the claim of confidentiality, the applicant shall have, upon notification thereof, the right to appeal the Commission's determination in the same manner provided for other orders of the Commission. No disclosure, except to EPA, shall be allowed until any appeal from the determination of the Commission is completed. [WPC-1 Chapter One Section III.F]</p>
T-57	<p>Spill Prevention and Best Management Plans</p> <p>Any permittee which has above ground bulk storage capacity, of more than 1320 gallons or any single container with a capacity greater than 660 gallons, of materials and/or liquids (including but not limited to, all raw, finished and/or waste material) with chronic or acute potential for pollution impact on waters of the State and not subject to Mississippi Hazardous Waste Management Regulations or 40 CFR 112 (Oil Pollution Prevention) regulations shall provide secondary containment as found in 40 CFR 112 or equivalent protective measures such as trenches or waterways which would conduct any tank releases to a permitted treatment system or sufficient equalization or treatment capacity needed to prevent chronic/acute pollution impact. [WPC-1 Chapter One Section IV.A(12)a]</p>
T-58	<p>Reopener Clause</p> <p>This permit shall be modified, or alternately, revoked and reissued, to comply with any applicable effluent standard, limitation or storm water regulation issued or approved under Section 301(b)(2)(C), and (D), 304(b)(2), 307(a)(2) and 402(p) of the Federal Water Pollution Control Act if the effluent standard, limitation or regulation so issued or approved:</p> <ol style="list-style-type: none"><li>1. Contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or</li><li>2. Controls any pollutant not limited in the permit. [WPC-1 Chapter One Section IV.F(1)]</li></ol>

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**AI0000002082 (continued):**

**Narrative Requirements:**

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Condition No.	Condition
T-59	Closure Requirements  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. [WPC-1 Chapter One Section IV.A(11)]
T-60	Permit Actions  The permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a modification of planned changes or anticipated noncompliance, does not stay any permit condition. [WPC-1 Chapter One Section V.C(5)]

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**RPNT0000000001 (MS0029521-001) Outfall 001 (Discharge Basin - Inclusive of wastewater from the following Outfalls: 002, 004, 005, 006, and 011 Discharged to the Mississippi River) - EXTERNAL:**

### Monitoring Requirements:

Condition No.	Parameter	Condition
M-1	Chlorine, free available	<p>Chlorine, free available: During outages when the Natural Draft and Auxiliary Cooling Tower has no load and the Plant Service Water (PSW) bypasses the tower and discharges directly to the Discharge Basin through Outfall 001, the free available chlorine (FAC) limitations shall be imposed on this outfall.</p> <p>If the PSW does not bypass the tower, the permittee shall indicate conditional monitoring (not required this period) by including the No Data Indicator Code NODI=9 on their monthly discharge monitoring report. [WPC-1 Chapter One IV.A.28(a)]</p>
M-2	Chlorine, free available	<p>Chlorine, free available: FAC shall be monitored continuously with multiple grab samples taken every 30 minutes following commencement of the bypass and continuing until chlorine is no longer detectable. [WPC-1 Chapter One IV.A.28(a)]</p>
M-3	Chlorine, free available	<p>Chlorine, free available: If the permittee does not utilize chlorination, the permittee shall indicate conditional monitoring (not required this period) by including the No Data Indicator Code NODI=9 on their monthly discharge monitoring report (DMR). [WPC-1 Chapter One IV.A.28(a)]</p>
M-4	Flow	<p>Flow: The permittee may use data from either the continuous monitors/recorders or the Balance of Plant Computer System. [WPC-1 Chapter One IV.A.28(a)]</p>
M-5	Temperature (Deg. F)	<p>Temperature (Deg. F): The permittee may use data from either the continuous monitors/recorders or the Balance of Plant Computer System. [WPC-1 Chapter One IV.A.28(a)]</p>
M-6	Chlorination Duration	<p>Chlorination Duration: FAC may not be discharged from any unit for more than two hours in any one day unless the utility can demonstrate to the Permit Board that discharging for more than two hours is required for macro invertebrate control. When units are chlorinated simultaneously, the chlorination period may not exceed two hours. [40 CFR 423.12.(b)(8)]</p>
M-7		<p>Samples taken in compliance with the effluent limitations and monitoring requirements of this permit shall be taken at the nearest accessible point following confluence of all wastewaters permitted for discharge at Outfall 001, but prior to entering or mixing with the receiving waters. However, when the Balance of Plant Computer System is utilized to monitor flow and temperature, the samples for each permitted wastewater stream shall be taken after final treatment but prior to entering or mixing with the receiving waters. [WPC-1 Chapter One IV.A.28(a)]</p>

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**RPNT0000000001 (continued):**

**Submittal/Action Requirements:**

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Condition	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. [WPC-1 Chapter One IV.A.15(c)]

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**RPNT0000000002 (MS0029521-002) Outfall 002 (Natural Draft and Auxiliary Cooling Tower Blowdown including waters from ESF Room Cooler flushes) - INTERNAL:**

Limitation Requirements:

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Condition No.	Parameter	Condition
L-1		Neither free available chlorine (FAC) nor total residual chlorine (TRC) may be discharged from any unit for more than two hours in any one day and not more than one unit may discharge FAC or TRC at any one time. The exact time of discharge of FAC or TRC shall be recorded for each unit and reported with the discharge monitoring report (DMR). [40 CFR 423.12.(b)(8)]
L-2		The addition of any chemical product to the cooling water other than those submitted with the application is prohibited unless prior written approval is obtained in accordance with condition S-9 on page 7 of this permit. Chemicals used for the maintenance of cooling water chemistry, or otherwise permitted to operate or maintain the cooling water system shall not cause a violation of the terms and conditions contained in condition S-1 on page 5 of this permit. [WPC-1 Chapter One IV.A.28(a)]

Monitoring Requirements:

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Condition No.	Parameter	Condition
M-1	Chlorine, free available	Chlorine, free available: Shall be monitored utilizing multiple grab samples. Multiple grab samples shall consist of one grab sample taken every 30 minutes following start-up of blowdown (after chlorine addition) and ending when FAC is no longer detectable. [WPC-1 Chapter One IV.A.28(a)]
M-2		Start-up of blowdown shall not occur until a series of instantaneous readings indicate that the discharge is in conformance with the permit limitations. [WPC-1 Chapter One IV.A.28(a)]
M-3		Samples taken in compliance with the effluent limitations and monitoring requirements of this permit shall be taken at the nearest accessible point following blowdown, but prior to mixing with any other wastewaters with the exception of the Treated Liquid Rad wastewater discharged through Outfall 011, which may mix with the discharge from Outfall 002 prior to sample collection. [WPC-1 Chapter One IV.A.28(a)]

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Submittal/Action Requirements:

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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. [WPC-1 Chapter One IV.A.15(c)]

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## RPNT0000000003 (MS0029521-004) Outfall 004 (Unit A Standby Service Water) - INTERNAL:

### Limitation Requirements:

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Condition No.	Parameter	Condition
L-1		The addition of any chemical product to the cooling water other than those submitted with the application is prohibited unless prior written approval is obtained in accordance with condition S-9 on page 7 of this permit. Chemicals used for the maintenance of cooling water chemistry, or otherwise permitted to operate or maintain the cooling water system shall not cause a violation of the terms and conditions contained in condition S-1 on page 5 of this permit. [WPC-1 Chapter One IV.A.28(a)]
L-2		Neither Free available chlorine (FAC) nor total residual chlorine (TRC) may be discharged from any unit for more than two hours in any one day and not more than one unit may discharge FAC or TRC at any one time. The exact time of discharge of FAC or TRC shall be recorded for each unit and reported with the discharge monitoring report (DMR). [WPC-1 Chapter One IV.A.28(a)]

### Monitoring Requirements:

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Condition No.	Parameter	Condition
M-1	Chlorine, free available	Chlorine, free available: Multiple grab samples shall consist of a series of grab samples taken every 30 minutes following startup of blowdown after chlorine addition until no chlorine is detectable. [WPC-1 Chapter One IV.A.28(a)]
M-2	Chlorine, free available	Chlorine, free available: Monitoring shall be performed daily whenever a batch is discharged. Initiation of discharge shall not occur until a series of instantaneous readings indicate the discharge shall be in compliance with permit limitations. [WPC-1 Chapter One IV.A.28(a)]
M-3	Flow	Flow: The flow reported shall be the total volume discharged in a 24-hour period. [WPC-1 Chapter One IV.A.28(a)]

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**RPNT0000000003 (continued):**

## Monitoring Requirements:

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Condition No.	Parameter	Condition
M-4	Zinc (Total Recoverable)	<p>Zinc (Total Recoverable): Composite Sampling:</p> <p>If the basin has been recirculated for a timeframe of no less than four (4) hours to allow for adequate mixing within each quadrant, a composite will be defined as the combined sample of the four (4) grab samples from each quadrant of the basin.</p> <p>If the basin is not recirculated for a sufficient period of time to allow for adequate mixing within the quadrants, a composite will be defined as the combined sample of the three (3) individual samples collected at the beginning, middle and end of the discharge for each batch discharge. [WPC-1 Chapter One IV.A.28(a)]</p>
M-5	Chlorination Duration	<p>Chlorination Duration: Monitoring shall be performed daily whenever a batch discharge occurs. Initiation of a discharge shall not occur until a series of instantaneous readings indicate the discharge shall be in compliance with permit limitations. [WPC-1 Chapter One IV.A.28(a)]</p>
M-6		<p>Samples taken in compliance with the effluent limitations and monitoring requirements of this permit shall be taken at the nearest accessible point following blowdown, but prior to mixing with any other wastewaters. [WPC-1 Chapter One IV.A.28(a)]</p>

## Submittal/Action Requirements:

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Condition No.	Condition
S-1	<p>The Permittee shall submit analytical results on a monthly Discharge Monitoring Report (DMR): Due monthly, by the 28th of the subsequent month. [WPC-1 Chapter One IV.A.15(c)]</p>

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## RPNT0000000004 (MS0029521-005) Outfall 005 (Unit B Standby Service Water) - INTERNAL:

### Limitation Requirements:

Condition No.	Parameter	Condition
L-1		The addition of any chemical product to the cooling water other than those submitted with the application is prohibited unless prior written approval is obtained in accordance with condition S-9 on page 7 of this permit. Chemicals used for the maintenance of cooling water chemistry, or otherwise permitted to operate or maintain the cooling water system shall not cause a violation of the terms and conditions contained in condition S-1 on page 5 of this permit. [WPC-1 Chapter One IV.A.28(a)]
L-2		Neither Free available chlorine (FAC) nor total residual chlorine (TRC) may be discharged from any unit for more than two hours in any one day and not more than one unit may discharge FAC or TRC at any one time. The exact time of discharge of FAC or TRC shall be recorded for each unit and submitted with the discharge monitoring report (DMR). [WPC-1 Chapter One IV.A.28(a)]

### Monitoring Requirements:

Condition No.	Parameter	Condition
M-1	Chlorine, free available	Chlorine, free available: Sample Type  Multiple grab samples shall consist of a series of grab samples taken every 30 minutes following startup of blowdown after chlorine addition until no chlorine is detectable. [WPC-1 Chapter One IV.A.28(a)]
M-2	Chlorine, free available	Chlorine, free available: Monitoring shall be performed daily whenever a batch discharge occurs. Initiation of a discharge shall not occur until a series of instantaneous readings indicate the discharge shall be in compliance with permit limitations. [WPC-1 Chapter One IV.A.28(a)]
M-3	Flow	Flow: The Flow reported shall be the total volume discharged in a 24-hour period. [WPC-1 Chapter One IV.A.28(a)]

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**RPNT0000000004 (continued):**

### Monitoring Requirements:

Condition No.	Parameter	Condition
M-4	Zinc (Total Recoverable)	<p>Zinc (Total Recoverable): Composite Sampling</p> <p>If the basin has been recirculated for a time frame of no less than four (4) hours to allow for adequate mixing within each quadrant, the composite sample will be defined as the combined sample of the four (4) grab samples from each quadrant of the basin.</p> <p>If the basin is not recirculated for a sufficient period of time to allow for adequate mixing within the quadrants, a composite will be defined as the combined sample of the three (3) individual samples collected at the beginning, middle and end of the discharge for each batch discharge. [WPC-1 Chapter One IV.A.28(a)]</p>
M-5	Chlorination Duration	Chlorination Duration: Monitoring shall be performed daily whenever a batch discharge occurs. Initiation of a discharge shall not occur until a series of instantaneous readings indicate the discharge shall be in compliance with permit limitations. [WPC-1 Chapter One IV.A.28(a)]
M-6		Samples taken in compliance with the effluent limitations and monitoring requirements of this permit shall be taken at the nearest accessible point following blowdown, but prior to mixing with any other wastewaters. [WPC-1 Chapter One IV.A.28(a)]

### 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. [WPC-1 Chapter One IV.A.15(c)]

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**RPNT0000000005 (MS0029521-006) Outfall 006 (Treated Low Volume Wastewater) - INTERNAL:**

Monitoring Requirements:

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Condition No.	Parameter	Condition
M-1	Flow	Flow: The Flow reported shall be the total volume discharged in a 24-hour period. [WPC-1 Chapter One IV.A.28(a)]
M-2		Samples taken in compliance with the effluent limitations and monitoring requirements of this permit shall be taken at the nearest accessible point following final treatment, but prior to mixing with any other wastewaters. [WPC-1 Chapter One IV.A.28(a)]

Submittal/Action Requirements:

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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. [WPC-1 Chapter One IV.A.15(c)]

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**RPNT0000000006 (MS0029521-007) Outfall 007 (Miscellaneous Wastewaters discharged into Sediment Basin B comprised of Administrative Building Drains; Yard and Storm Drains; Fire Water Pump House; Oily Waste Sumps; Ionics Reject Water; Turbine Building Cooling Water Blowdown; HVAC Blowdown; Air Conditioner Once Through Cooling; Outage Air Compressor Once Through Cooling; and Intermittent Standby Service Water and Plant Service Water leakage and small releases) - INTERNAL :**

Monitoring Requirements:

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Condition No.	Parameter	Condition
M-1		Samples taken in compliance with the effluent limitations and monitoring requirements of this permit shall be taken at the most accessible point following confluence of all separate wastewater streams, which discharge at the East Wing Wall but prior to entering or mixing with the waters in Sediment Basin B. [WPC-1 Chapter One IV.A.28(a)]

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Submittal/Action Requirements:

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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. [WPC-1 Chapter One IV.A.15(c)]

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**RPNT0000000007 (MS0029521-010) Outfall 010 (Total Facility Treated Sanitary Wastewater Discharged to Basin A) - INTERNAL:**

Monitoring Requirements:

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Condition No.	Parameter	Condition
M-1		Samples taken in compliance with the effluent limitations and monitoring requirements of this permit shall be taken at the nearest accessible point inclusive of all wastewaters permitted for discharge at Outfall 010, but prior to entering or mixing with Basin A. [WPC-1 Chapter One IV.A.28(a)]

Submittal/Action Requirements:

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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. [WPC-1 Chapter One IV.A.15(c)]

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**RPNT0000000008 (MS0029521-011) Outfall 011 (Treated Liquid Rad Wastewater. Contributing sources include Dilute Borated Water) - INTERNAL:**

Monitoring Requirements:

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Condition No.	Parameter	Condition
M-1		Samples taken in compliance with the effluent limitations and monitoring requirements of this permit shall be taken at the nearest accessible point following final treatment, but prior to entering for mixing with any other wastewaters. [WPC-1 Chapter One IV.A.28(a)]

Submittal/Action Requirements:

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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. [WPC-1 Chapter One IV.A.15(c)]

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**RPNT000000009 (MS0029521-013) Outfall 013 (Treated Effluent from Basin A that enters an Unnamed Tributary thence into Hamilton Lake. Contributing Sources of Wastewaters include Effluents from Outfalls 010, 016, Standby Service Water Leakage, and Stormwater Runoff) - EXTERNAL:**

### Monitoring Requirements:

Condition No.	Parameter	Condition
M-1	Zinc (Total Recoverable)	Zinc (Total Recoverable): Samples should be analyzed using EPA method 200.8 or an approved equivalent method with an MQL of 10 micrograms/L. [WPC-1 Chapter One IV.A.28(a)]
M-2		Samples taken in compliance with the effluent limitations and monitoring requirements of this permit shall be taken at the nearest accessible point following final treatment, but prior to entering for mixing with the receiving stream. [WPC-1 Chapter One IV.A.28(a)]

### Submittal/Action Requirements:

#### Iron (Total Recoverable):

Condition No.	Condition
S-1	Iron (Total Recoverable): shall be monitored at Outfall 013 on a monthly basis, utilizing 24-hour composite sampling, until 12 monthly samples have been collected. Sampling should begin following the effective re-issuance date of this permit and shall be representative of all 4 seasons upon completion. Total Recoverable Iron shall be analyzed using EPA method 200.8 or an approved equivalent method with a MQL of 10 micrograms/L. Once completed, the analytical result and date of all 12 sampling events shall be submitted in a report as required in permit condition S-10 on page 7 of this permit. [WPC-1 Chapter One IV.A.28(a)]

Condition No.	Condition
S-2	The Permittee shall submit analytical results on an annual Discharge Monitoring Report (DMR): Due annually by the 28th of January. [WPC-1 Chapter One IV.A.15(c)]
S-3	The Permittee shall submit analytical results on a quarterly Discharge Monitoring Report (DMR): Due quarterly, by the 28th of Jan, April, July, and Oct. [WPC-1 Chapter One IV.A.15(c)]

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**RPNT0000000010 (MS0029521-014) Outfall 014 (Treated Effluent from Basin B which enters an Unnamed Tributary thence into Hamilton Lake. Contributing Sources of Wastewaters include Effluents from Outfalls 007, Standby Service Water Leakage, Intermittent Circulating Water Basin Overflows and Stormwater Runoff) - EXTERNAL:**

**Monitoring Requirements:**

Condition No.	Parameter	Condition
M-1	Zinc (Total Recoverable)	Zinc (Total Recoverable): Samples should be analyzed using EPA method 200.8 or an approved equivalent method with an MQL of 10 micrograms/L. [WPC-1 Chapter One IV.A.28(a)]
M-2		Samples taken in compliance with the effluent limitations and monitoring requirements of this permit shall be taken at the nearest accessible point following final treatment, but prior to entering or mixing with the receiving stream. [WPC-1 Chapter One IV.A.28(a)]

**Submittal/Action Requirements:**

**Arsenic (Total Recoverable):**

Condition No.	Condition
S-1	Arsenic (Total Recoverable) shall be monitored at Outfall 014 on a monthly basis, utilizing 24-hour composite sampling, until 12 monthly samples have been collected. Sampling should begin following the effective re-issuance date of this permit and shall be representative of all 4 seasons upon completion. Total Recoverable Arsenic shall be analyzed using EPA method 200.8 or an approved equivalent method with a MQL of 0.5 micrograms/L. Once completed, the analytical result and date of all 12 sampling events shall be submitted in a report as required in permit condition S-10 on page 7 of this permit. Submit a monitoring results report: Due within two years after the permit effective date. [WPC-1 Chapter One IV.A.28(a)]

**Copper (Total Recoverable):**

Condition No.	Condition
S-2	Copper (Total Recoverable): shall be monitored at Outfall 014 on a monthly basis, utilizing 24-hour composite sampling, until 12 monthly samples have been collected. Sampling should begin following the effective re-issuance date of this permit and shall be representative of all 4 seasons upon completion. Total Recoverable Arsenic shall be analyzed using EPA method 200.8 or an approved equivalent method with a MQL of 1.0 micrograms/L. Once completed, the analytical result and date of all 12 sampling events shall be submitted in a report as required in permit condition S-10 on page 7 of this permit. [WPC-1 Chapter One IV.A.28(a)]

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**RPNT0000000010 (continued):**

Submittal/Action Requirements:

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Condition No.	Condition
S-3	The Permittee shall submit analytical results on an annual Discharge Monitoring Report (DMR): Due annually by the 28th of January. [WPC-1 Chapter One IV.A.15(c)]
S-4	The Permittee shall submit analytical results on a quarterly Discharge Monitoring Report (DMR): Due quarterly, by the 28th of Jan, April, July, and Oct. [WPC-1 Chapter One IV.A.15(c)]

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**RPNT0000000011 (MS0029521-016) Outfall 016 (Miscellaneous Wastewaters from the Energy Services Center Inclusive of Water Softener Backwash, Air Conditioning Cooling Tower Blowdown and Stormwater Runoff) - INTERNAL:**

Limitation Requirements:

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Condition No.	Parameter	Condition
L-1		No chemical treatments containing chloride, zinc or chromium shall be added to any of the waters subject to discharge at this outfall (Outfall 016) without prior notification and permitting authority approval in accordance with the conditions described in S-9 on page 7 of this permit. [WPC-1 Chapter One IV.A.28(a)]

Monitoring Requirements:

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Condition No.	Parameter	Condition
M-1		Samples taken in compliance with the effluent limitations and monitoring requirements of this permit shall be taken at the nearest accessible point following final treatment, but prior to entering for mixing with any other wastewaters. [WPC-1 Chapter One IV.A.28(a)]
M-2		Samples taken in compliance with the effluent limitations and monitoring requirements of this permit shall be taken at the most accessible point following confluence of all wastewaters permitted for discharge at this outfall (Outfall 016), but prior to entering Basin A. [WPC-1 Chapter One IV.A.28(a)]

Submittal/Action Requirements:

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Condition No.	Condition
S-1	The Permittee shall submit analytical results on an annual Discharge Monitoring Report (DMR): Due annually by the 28th of January. [WPC-1 Chapter One IV.A.15(c)]

## GENERAL INFORMATION

Entergy Mississippi Inc, Grand Gulf Nuclear Station  
7003 Bald Hill Road  
Port Gibson, MS  
Claiborne County

### Alternate/Historic Identifiers

ID	Alternate/Historic Name	User Group	Start Date	End Date
2082	Entergy Operations, Inc.	Official Site Name	4/28/1981	
2802100023	Entergy MS, Grand Gulf Nuclear Station	Air-AIRS AFS	10/12/2000	
MSD000644617	Entergy Mississippi, Inc., Grand Gulf Nuclear Station	Hazardous Waste-EPA ID	10/12/2000	
042000023	Entergy Mississippi, Inc., Grand Gulf Nuclear Station	Air-Title V Operating	9/5/1997	9/1/2002
042000023	Entergy Mississippi, Inc., Grand Gulf Nuclear Station	Air-Construction	8/16/1999	
042000018	Entergy Mississippi, Inc., Grand Gulf Nuclear Station	Air-Construction	3/13/1984	3/1/1985
042000018	Entergy Mississippi, Inc., Grand Gulf Nuclear Station	Air-State Operating	4/28/1981	8/28/1981
MSR101071	Entergy Mississippi, Inc., Grand Gulf Nuclear Station	GP-Construction	4/30/1998	10/28/1998
MSR000883	Entergy Mississippi, Inc., Grand Gulf Nuclear Station	GP-Baseline	8/18/1993	7/13/1997
MS0029521	Entergy Mississippi, Inc., Grand Gulf Nuclear Station	Water - NPDES	9/19/1997	9/16/2002
MSR000883	Entergy Mississippi, Inc., Grand Gulf Nuclear Station	GP-Baseline	10/31/2000	2/10/2006
MS0029521	Entergy Mississippi, Inc., Grand Gulf Nuclear Station	Water - NPDES	7/24/2003	6/30/2008
042000023	Entergy Mississippi, Inc., Grand Gulf Nuclear Station	Air-Synthetic Minor Operating	6/1/2004	5/31/2009
MSR000883	Entergy Mississippi, Inc., Grand Gulf Nuclear Station	GP-Baseline	2/10/2006	12/1/2010
2082	Entergy Mississippi Inc, Grand Gulf Nuclear Station	Air-Notification	4/7/2008	
2082 001	Grand Gulf Nuclear, Middle South Energy	GARD	4/21/1981	
2082	Grand Gulf Nuclear Station Temporary Rental Office Buildings for RFO-16	Air-Notification	10/17/2008	
2082	Grand Gulf portable building SIC 4911	Air-Notification	5/27/2009	
2082	Grand Gulf Nuclear Station Warehouse	Air-Notification	7/19/2010	
MSR000883	Entergy Mississippi, Inc., Grand Gulf Nuclear Station	GP-Baseline	12/1/2010	9/28/2015
MSR105946	Entergy Mississippi Inc, Grand Gulf Nuclear Station	GP-Construction	5/13/2011	12/31/2015

**Basin:** Mississippi River Basin - direct dischargers to ]

\*\*\* Official MDEQ Permit - Version 1.1 \*\*\*

## GENERAL INFORMATION

**Location Description:** PG- Plant Entrance (General). Data collected by Greg Miller on 11/16/2005. Elevation 219 feet. Bald Hill Road entrance is closed must enter plant from Grand Gulf Road.