

Attachment 7 to

GNRO-2012/00039

**Entergy Nuclear Grand Gulf Nuclear Station License Renewal Environmental
Audit – Hydrology Patton – Attachment J labeled “GGNS Stormwater Permits”**

Attachment J

GGNS Stormwater Permits

Baseline Stormwater Industrial Permit MSR000883 & Stormwater Pollution Prevention Plan



*State of Mississippi
Department of Environmental Quality
Office of Pollution Control*

Certificate of Permit Coverage

under Mississippi's Baseline Storm Water General NPDES Permit

Be it known

**Entergy Operations, Inc.
Port Gibson, Mississippi**

having submitted an acceptable Baseline Notice of Intent, is hereby granted this Certificate of Permit Coverage in order to discharge storm water associated with industrial activity from the operation of

**Entergy Mississippi Inc, Grand Gulf Nuclear Station
Receiving Stream: Mississippi River
Claiborne County**

Chief, General Permits Branch

Coverage No: MSR000883

Date of Coverage: December 1, 2010

Date First Inspection Report is due: January 28, 2011

Date General Permit Expires: September 28, 2015

2082 GNP20100001

GRAND GULF NUCLEAR STATION

STORM WATER POLLUTION PREVENTION PLAN

**Revision 13
July 2006**

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1.0 INTRODUCTION

- 1.1 The purpose of the Grand Gulf Nuclear Station (GGNS) Storm water Pollution Prevention Plan is to minimize storm water contamination and identify potential pollution sources.
- 1.2 Items in this plan requiring periodic evaluation during the year are described in Sections 4.0, 10.0, 11.0, 12.0, 13.0, 14.0, 15.0, Attachment IV and Attachment V.

2.0 SITE DESCRIPTION

- 2.1 The Updated Final Safety Report [UFSAR] figure 2.4-1 shows GGNS site property boundaries. The GGNS site covers approximately 2100 acres and borders the Mississippi River.
- 2.2 The site consists of office buildings, employee parking areas, a nuclear power generating station, industrial shop areas, laydown areas, waste accumulation areas, wastewater holding ponds, and storage tanks containing oil or chemicals.
- 2.3 Activities at site primarily involve electrical generation and transmission.

3.0 FACILITY DRAINAGE

- 3.1 UFSAR figures 02.4-007 and 2.4-8 shows the GGNS site drainage. Figure 1 shows building locations.
- 3.2 Of relevance to the GGNS site are two small and steep gradient streams. The north stream (Stream A) is perennial with the south stream (Stream B) being intermittent. Storm water from the GGNS site enters one of these streams before reaching Hamilton Lake and the Mississippi River.

4.0 POLLUTION PREVENTION TEAM

- 4.1 The designated Storm Water Pollution Prevention Manager at GGNS is:
 - a. Richard A. Scarbrough - Chemistry Superintendent
- 4.2 Designated Storm water Pollution Prevention committee members at GGNS consist of the following:
 - a. Ricky Buckley - Sr. Project Manager (Corporate)
 - b. Rusty Shaw – Chemistry Specialist
 - c. John Lassetter- Chemistry Supervisor
- 4.3 These individuals ensure that the plan is implemented as required by the general permit and are responsible for the annual inspection and any subsequent revisions needed to the plan.

5.0 ASSESSMENT OF POTENTIAL STORM WATER POLLUTION SOURCES

- 5.1 Although there are some significant materials such as metallic products exposed to storm water at the site, there are no significant materials such as process chemicals, raw materials, fuels, pesticides or fertilizers, exposed to storm water at GGNS.
- 5.2 Water treatment chemicals and petroleum products are stored in tanks, bins and drums. Tanks have secondary containment, while drums and bins are sealed unless in use. Therefore, exposure to storm water is not possible unless there is a leak or spill.
- 5.3 Attachment I, Regulated Areas of Industrial Activity, lists industrial areas that are present at the GGNS site and identifies the types of potential pollutants present.

6.0 RISK IDENTIFICATION/POTENTIAL POLLUTANT SUMMARY

- 6.1 Since no manufacturing or chemical production occurs at GGNS, the areas judged to have a reasonable potential for adding pollutants to storm water are:

a. **Vehicle Maintenance**

1. **Vehicle Maintenance Shop** - Servicing of vehicles and similar industrial equipment. This area consists of a vehicle wash rack, fuel truck containing diesel and gasoline, and intermittent industrial equipment such as trucks, cranes and portable generators. Servicing activities occur under a covered area except for occasional crane maintenance and the fuel truck is parked within a concrete containment structure.

Storm water runoff from this area drains either to an oily water separator or a sump prior to discharge into Stream A. The pollutant of concern at this location is petroleum hydrocarbons.

b. **Vehicle Fueling**

1. **Vehicle Maintenance Shop Fueling Area** - Diesel fuel and gasoline are stored in aboveground tanks behind the Vehicle Maintenance Shop for vehicle and industrial equipment fueling purposes. The tanks are located within a covered containment structure. Although the potential for minor spills exists during fueling activities, runoff from this area drains to an oily water separator prior to discharge into Stream A. The pollutant of concern at this location is petroleum hydrocarbons.

c. **Painting**

1. **Spray Paint Shop-** The spray paint shop is located near the Energy Services Center. Spent sandblast material and metal items are stored at this area. Some spray painting is also done outside the shop. Runoff from this area drains to an open field below the shop area and does not affect water quality. The pollutants of concern at this location are iron and suspended solids.

d. **Site Erosion**

1. **Spray Paint Shop Area** – The shop is located on the edge of the bluffs in an area is subject to erosion. Runoff from this area drains to an open field below the shop area and does not affect water quality. The pollutant of concern at this location is suspended solids.
2. **Ball field Renovation Area** - Area is subject to erosion. Runoff from this area drains to a stock pond. The pollutant of concern at this location is suspended solids.
3. **Building and Grounds Area** – The hill adjacent to this area is subject to erosion. Runoff drains into a concrete ditch prior to discharge into Sedimentation Basin A. The pollutant of concern at this location is suspended solids.
4. **Vehicle Maintenance Shop Area** - Drainage pipes are subject to erosion. Runoff from this area drains into Stream A. The pollutant of concern at this location is suspended solids.

5. **Stream A Storm Drains**– Old Unit 2 storm water drainage pipes and flumes adjacent to Stream A are subject to erosion and no longer serve their intended purpose. These have been abandoned in place. Runoff from this area drains into Stream A. The pollutant of concern at this location is suspended solids.
- e. **Material Unloading**
 1. **Vehicle Maintenance Shop Gasoline and Diesel Storage Tanks** - Diesel fuel and gasoline are stored in aboveground tanks behind the Vehicle Maintenance Shop. The tanks are located within a covered containment structure. Tank unloading is associated with this location. Although the potential for minor spills exists, runoff from this area drains to an oily water separator prior to discharge into Stream A. The pollutant of concern at this location is petroleum hydrocarbons.
 2. **Standby Diesel Fuel Generator Storage Tanks** - Diesel fuel is stored in three underground tanks northwest of the Diesel Generator Building. Since tank unloading is associated with this area, the potential for minor spills exists. Runoff from the unloading area drains to a holding tank. The pollutant of concern at this location is petroleum hydrocarbons.
 3. **Energy Services Center Diesel Fuel Storage Tank** - Diesel fuel is stored in an underground tank at the Energy Services Center. Since tank unloading is associated with this area, the potential for minor spills exists. Runoff from this area drains into NPDES Outfall 016 prior to discharge into Sedimentation Basin A. The pollutant of concern at this location is petroleum hydrocarbons.

4. **Clean and Dirty Lube Oil Storage Tanks** - Clean and dirty lube oil are stored in aboveground tanks east of the Turbine Building. The tanks are located within a concrete berm. Since tank unloading is associated with this area, the potential for minor spills exists. The berm is manually drained into a storm drain prior to discharge into Sedimentation Basin B. The pollutant of concern at this location is petroleum hydrocarbons.

f. **Material Storage**

1. **Radial Well Lube Oil Storage Tanks** - Lube oil is stored in aboveground tanks at the Radial Wells (Mississippi River). These tanks have secondary containment.
Should a leak occur, runoff would drain onto the ground or into the river, depending upon the river stage. The pollutant of concern at these locations is petroleum hydrocarbons.
2. **Fire Training Area** - Diesel fuel is stored in a skip pan and a portable fuel tank at the fire training area in the northwest laydown area. In addition, empty fire extinguishers and wood materials are stored at this location. The fuel is burned in a skip pan for fire training purposes and is covered when not in use. Runoff from this area drains into an oily water separator prior to discharge into a holding pond. The pollutants of concern at this location are petroleum hydrocarbons and suspended solids.

3. **Building & Grounds Shop** - The shop is located on the North Access Road. Metal and other equipment are stored outside the shop. Runoff from this area is controlled by concrete drains and chutes prior to discharge into Stream A via Sedimentation Basin A. The pollutants of concern at this location are suspended solids and iron.
4. **Burn Pit Area** - The Burn Pit Area is located east of the plant and adjacent to the switchyard. Occasionally, scrap metal and empty containers are stored at this area. Runoff from this area is controlled by concrete drains and chutes prior to discharge into Stream B. The pollutant of concern at this location is iron.
5. **Spoils Area** – Located East of the plant and adjacent to the Switchyard. Portions of this area are used for temporary storage of metal, industrial equipment and portable buildings. The pollutants of concern at this location are suspended solids and iron.
6. **Northeast Laydown Area** - This area is located on the east side of the North Access Road. Metal, industrial equipment, concrete and wood materials are stored in this area. Runoff from this area is controlled by concrete drains and chutes prior to discharge into Stream A. The pollutants of concern at this location are suspended solids and iron.
7. **Northwest Laydown Area** - This area is located on the west side of the North Access Road. Metal, concrete and wood materials are stored in this area. Runoff from this area is controlled by concrete drains and chutes prior to discharge into Stream A. The pollutant of concern at this location are suspended solids and iron.

8. **Shooting Range** – This is located on the west side of the Northwest Laydown area. Metal target stands and spent bullets are in the area. Runoff from this area into a holding pond and does not enter surface waters. The pollutants of concern at this location are iron, lead and suspended solids.
- g. **Construction Areas**
 1. Plant areas are periodically subject to temporary construction activities over time. These areas typically comprise less than five acres. Runoff from these areas has the potential to contain suspended solids. However, impact from these activities are minimal due to GGNS' onsite sedimentation basins. [See Attachment IV].

Attachment V lists current construction permits for construction activities with a potential to disturb more than 5 acres and includes requirements for managing these activities.

7.0 SPILL HISTORY

- 7.1 The Storm water Pollution Prevention Manager should update this section as needed, describing significant spills. For the purpose of this plan a significant spill is one which results in a notification to a regulatory authority.
- 7.2 The following reportable spills have occurred during the past three years:
 - a. Fuel Oil Mixture
- 7.3 Records of spill(s) should include the following, as appropriate:
 - a. Date: 5/15/2003
 - b. Weather conditions: Cloudy, Drizzle
 - c. Duration: Instantaneous
 - d. Cause: Ruptured 1 gallon container

- e. Environmental problems: None
- f. Response procedures: Absorbed material onto pads and boom
- g. Parties notified: National Response Center, MDEQ, MEMA
- h. Recommended revision to the Plan and operating procedure and/or equipment needed to prevent recurrence: None.

8.0 NON-STORM WATER DISCHARGES

8.1 The following types of non-storm water discharges are authorized as long as they are listed in this Plan:

- a. Fire fighting activities
- b. Fire hydrant flushing
- c. Potable water sources (e.g., water line flushing)
- d. Irrigation drainage
- e. Lawn watering
- f. External building wash downs where chemicals, including detergents are not used
- g. Rainwater from buildings and containment structures (free from oil or other chemical contaminants)
- h. Pavement washing where spills or leaks of toxic or hazardous materials have not occurred (unless all spilled material has been removed) and where chemicals, including detergents, are not used
- i. Air conditioning condensate
- j. Natural springs
- k. Uncontaminated groundwater
- l. Foundation/footing drains where flows are not contaminated with process materials such as solvents or other chemicals
- m. Washing of water treatment facility grounds, after salt additions, where spills or leaks of hazardous materials have not occurred

8.2 Chemistry personnel visually assessed the site for non-storm Water discharges during dry weather conditions on May 31, 1993. No illicit connections were discovered. No plant modifications have occurred since that inspection creating illicit connections or discharges that would cause harm to aquatic life or the environment.

- 8.3 The potential sources of non-storm water identified during the initial and subsequent assessments are as follows:
- a. Stream A (NPDES Outfall 013) receives non-storm water from:
 - 1. NPDES Outfalls 010 and 016
 - 2. Oily water separators from the Vehicle Maintenance Shop area
 - 3. Site Processing Center (once-through cooling water)
 - 4. Domestic/construction water and fire water
 - b. Stream B (NPDES Outfall 014) receives non-storm water from:
 - 1. NPDES Outfall 007
 - 2. Oily water separators from the Maintenance Shop, Diesel Generator Building and Fire Water Pump Houses
 - 3. Administration Building HVAC Blowdown
 - 4. Ionics demineralization water system bypass & reject water
 - 5. Air conditioner condensate
 - 6. Turbine Building cooling water discharge
 - 7. Domestic/construction water and fire water
 - 8. Construction Water Once-through Cooling
- 8.4 Discharges identified as inputs through permitted NPDES Outfalls are not illicit connections. See the NPDES permit for specific descriptions.

9.0 SAMPLING DATA

- 9.1 GGNS storm water outfalls have been sampled periodically using methods and techniques prescribed for compliance with the NPDES Permit. These results have not shown any evidence of industrial activities at GGNS contributing to storm water pollution. These are summarized in Attachment II.

- 9.2 The Storm water Pollution Prevention Manager, or designee, should update Attachment II within 90 days of acquiring new sampling data or as required by the Mississippi Department of Environmental Quality [MDEQ]. If these results are included in monthly NPDES Reports or otherwise transmitted to MDEQ, Attachment II need not be updated until this plan is revised.

10.0 BEST MANAGEMENT PRACTICES

- 10.1 Best management practices relied upon to control potential sources of storm water pollution are as follows:

- a. Soil Erosion
 - 1. Erosion is controlled by providing piped drainage, intercept ditches, diversion dikes, concrete flumes and ground cover.
 - 2. Areas disturbed by site construction have been re-vegetated and stabilized.
- b. Housekeeping
 - 1. The following housekeeping practices are observed:
 - a) Maintaining dry, clean floors and ground surfaces.
 - b) Regularly disposing of garbage and waste material.
 - c) Providing adequate aisle space for material transfer and inspections.
 - d) Storing containers, drums and bags away from direct traffic routes.
 - e) Storing containers to prevent corrosion by contact with moisture.
 - f) Assigning responsibility for hazardous material to trained personnel.

- c. **Preventive Maintenance**
 - 1. Preventative maintenance relating to storm water pollution is covered in Section 10.1 d.
 - 2. Preventative maintenance primarily applies to maintaining berms and other containment structures to prevent releases.
- d. **Spill Prevention and Response**
 - 1. Potential spill and leak areas, including best management practices, relied upon are:
 - a) **Vehicle and Equipment Maintenance**
 - 1) Check for leaking oil and fluids
 - 2) Use low toxicity materials
 - 3) Drain oil filters
 - 4) Recycle engine fluids and batteries
 - 5) Segregate and label wastes
 - 6) Restrict solvent use
 - b) **Vehicle Fueling Station**
 - 1) Provide aboveground tanks
 - 2) Automatic shut-off
 - 3) Covered fueling area
 - 4) Dry cleanup of spills
 - c) **Vehicle and Equipment Washing**
 - 1) Use designated cleaning areas
 - 2) Use phosphate-free detergents
 - d) **Loading and Unloading Areas**
 - 1) Contain leaks during transfer
 - 2) Check equipment for leaks
 - 3) Prevent storm water runoff

- e) Aboveground Tanks
 - 1) Comply with aboveground tank requirements
 - 2) Properly train employees
 - 3) Provide secondary containment
 - 4) Provide tank safeguards, if necessary
 - f) Painting
 - 1) Segregate waste
 - 2) Minimize the use of solvents
 - 3) Proper storage of waste
 - 4) Prevent storm water from contacting paint waste
- 2. Site procedures address spill prevention and response and are available to appropriate personnel through issuance of controlled procedure manuals.
 - 3. Materials available to respond to spills or leaks are described in the Spill Prevention, Control and Countermeasures Plan.
 - 4. Inspections of oil and chemical handling areas occur routinely.
 - a) Surveillance for valve closure at secondary containment structures is controlled by Operations Section Procedure 02-S-01-5, Shift Logs and Records.
 - b) Containment structures with oil storage equipment are checked for presence of oil by Plant Operations during routine rounds.

- c) In accordance with Procedure 01-S-08-12, Monitoring and Control of Non-Radiological Discharges (NPDES), Operations personnel observe rainwater for the presence of an oil sheen prior to draining. Waste drum handling areas are periodically inspected for leaks or container degradation by Chemistry personnel.

11.0 PHASE II COMPLIANCE

- 11.1 Effective on March 10, 2003, The Mississippi Department of Environmental Quality required controls to prevent or minimize pollutant impacts in any storm water runoff from construction activities that result in land disturbances of 1 or more acres. Construction activity on sites disturbing less than 1 acre are included if these activities are part of a larger common plan that would disturb 1 acre or more, with the following allowance:

Construction activities less than 5 acres are allowed and must comply with the Best Management Plans and additional instructions listed in this plan and Attachment IV. Construction activities disturbing more than 5 acres may require an MDEQ Construction Permit and must comply with the permit and/or any additional requirements [See Attachment V].

12.0 INSPECTIONS

- 12.1 The Storm water Pollution Prevention Manager and committee members annually inspect the facility and material handling areas for evidence of pollutants entering the storm water drainage system. Inspections of construction areas must also comply with the additional instructions listed in Attachment IV or Attachment V.

For the purposes of this plan "annually" is defined as the calendar year between January 1 and December 31.

- 12.2 Chemistry personnel may also periodically inspect construction areas.
- 12.3 As part of the annual inspection, this team verifies that:
 - a. The storm drainage system is accurately reflected in the Plan.
 - b. The description of potential pollutant sources is accurately reflected in the Plan.
 - c. Management controls are properly implemented, when necessary.
- 12.4 Annual inspections may also include:
 - a. Areas where spills and leaks have occurred in the past
 - b. Material storage areas (tanks, drum storage)
 - c. Material handling areas (loading, unloading, transfer)
 - d. Waste generation, accumulation, storage and recycling areas.
 - e. Areas of construction, renovated areas, or any other areas of concern regardless of size, if deemed necessary by the Storm Water Pollution Prevention Committee.
- 12.5 The Ball field renovation area is inspected annually, as part of the annual storm water inspection. This is a verbal agreement with MDEQ and the commitment is documented in CR No. 1997-1274-00.
- 12.6 Annual inspection records should document the following and be recorded on a form similar to the one shown in Attachment III:
 - a. Date inspection occurred
 - b. Inspection team members
 - c. Corrective action (including notifications)
- 12.7 The Storm water Pollution Prevention Manager must submit the completed form to the Mississippi Department of Environmental Quality no later than the 28th day of January.

13.0 RECORDKEEPING

- 13.1 The Storm water Pollution Prevention Manager shall retain records of maintenance activities, spills, inspections and results of tests, and flow measurements conducted on storm water for three years.

14.0 TRAINING

- 14.1 GGNS personnel receive guidance in spill response and reporting in annual General Employee Training.
- 14.2 Employees having specific responsibilities for storm water pollution prevention receive annual training in spill response, good housekeeping and materials management under the requirements of 29CFR1910.120.

15.0 AMENDMENTS

- 15.1 The Storm water Pollution Prevention Plan will be amended whenever:
- a. There is a change in facility design, construction, operation, or maintenance which may increase the discharge of pollutants, or
 - b. The Plan proves to be ineffective in controlling storm water pollutants, or
 - c. Regulatory changes mandating changes in compliance, reporting, management practices, permitting or otherwise requiring amendments to this plan.

16.0 NATIONAL HISTORIC PRESERVATION ACT

- 16.1** The Grand Gulf Nuclear Station was originally evaluated by the Mississippi Department of Archives and History during the construction of the facility. This evaluation determined that operation of the station will not result in any impact on historic and archaeological sites in the area [Draft Environmental Statement, United States Regulatory Commission, May 1981, Page 5-7; Final Environmental Statement, United States Regulatory Commission, September 1981, Page 5-7].

NOTE

Work orders and procedures must include cultural resource specific written directions for excavation and backfill work which calls for an immediate stop-work order should archeological, historical, or other cultural resources be uncovered during excavation. The construction supervisor is responsible for ensuring work stoppage and for notifying the Environmental Lead* of an inadvertent discovery.

In the event of an inadvertent discovery the Environmental Lead* will determine the inadvertent discovery's significance and if necessary, notify the State Historic Preservation Officer to consult with them regarding the discovery to determine if an additional archeological assessment is needed.

* Environmental Leads:

Rusty Shaw 601-437-7312
John Lassetter 601-437-2115

17.0 ENDANGERED SPECIES ACT:

- 17.1** Although endangered species have been identified in the proximity of the Grand Gulf Nuclear Station none have been documented in the vicinity of this activity and the implementation of protective management plans is not required. The sighting of an endangered species such as an eagle or a black bear must be immediately related to the site environmental lead.

18.0 POLLUTION PREVENTION PLAN CERTIFICATION

18.1 I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated 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.

Signature:

W. Buan

Title:

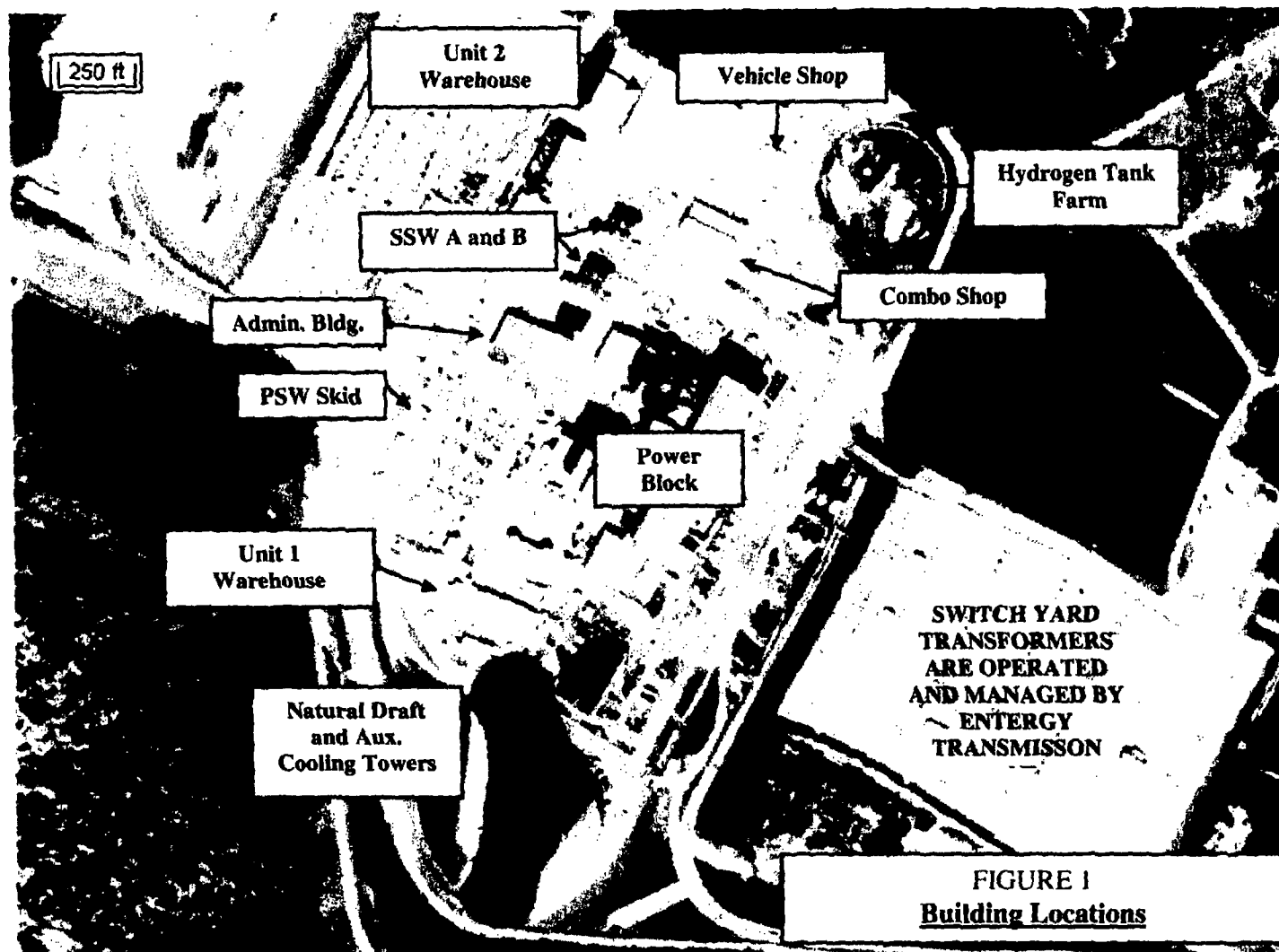
General Manager, Plant Operations

Date:

August 25, 2006

19.0 FIGURES

19.1 Figure 1 - Building Locations



RESERVED

20.0 ATTACHMENTS

- ∴ Attachment I - Regulated Areas of Industrial Activity**
- ∴ Attachment II - Storm Water Sampling Data**
- ∴ Attachment III - Annual Storm Water Inspection Form**
- ∴ Attachment IV – Small Construction Permit Requirements**
- ∴ Attachment V – Large Construction Permit Requirements**

ATTACHMENT I

Regulated Areas of Industrial Activity

Regulated Areas of Industrial Activity

Regulated Area	Drainage	Potential Pollutants
Metal Containers - Unit 1 Warehouse	Runoff to Basin B	Some iron may be present in storm water discharge.
Unit 1 Warehouse Loading/Unloading Dock	Runoff to Basin B	Since area is covered, storm water contact unlikely under normal operating conditions
Unit 2 Warehouse Loading/Unloading Dock	Runoff to Basin A	None under normal operating conditions.
Sulfuric Acid Tanks - Protected Area	Runoff to Basin B	Since tanks are located within secondary containment, no pollutants will be discharged.
Chemical Storage Area - Protected Area	Runoff to Basin B	Since area is covered and has secondary containment, storm water contact unlikely under normal operating conditions.
Carbon Dioxide Tanks - Protected Area	Runoff to Basin B	Since tanks are painted, none are expected.
Refueling Water Storage Tank - Protected Area	Runoff to Basin B	Although tank is located within secondary containment, some suspended solids and iron may be present during discharge of the structure.
Condensate Storage Tank - Protected Area	Runoff to Basin B	Although tank is located within secondary containment, some suspended solids and iron may be present during discharge of the structure.

Regulated Areas of Industrial Activity

Regulated Area	Drainage	Potential Pollutants
Empty Drum Storage Area - Protected Area	Runoff to Basin B	Since drums are coated, none are expected.
Transformers - Protected Area	Runoff to Basin B	Since transformers are located within secondary containment, none are expected.
Fire Water Storage Tanks - Protected Area	Runoff to Basin B	Since tanks are painted, none are expected.
Waste Neutralization Tank - Protected Area	Runoff to Basin B	Since tanks are painted, none are expected.
Maintenance Shop - Protected Area (used oil & chemical storage cabinets)	Runoff to Basin B	Since area is covered, storm water contact unlikely under normal operating conditions
Administration Building HVAC - Protected Area	Runoff to Basin B	No pollutants are expected under normal operating conditions
Protected Area Yard (compressed gas bottles, garbage dumpsters, scrap metal bin, wood bins, shipping casks, LSA boxes & scaffolding)	Runoff to Basin B	Some iron may be present in storm water discharge.
Regeneration Tanks - Protected Area	Runoff to Basin B	No pollutants are expected under normal operating conditions
Paint Shop - Protected Area	Runoff to Basin B	No pollutants are expected under normal operating conditions
Cooling Tower (water treatment chemicals)	Runoff to Cooling Tower Basin	No pollutants are expected under normal operating conditions
Sulfuric Acid Tank - Cooling Tower	Runoff to Cooling Tower Basin	Since tank is located within secondary containment, no pollutants will be discharged.

Regulated Areas of Industrial Activity

Regulated Area	Drainage	Potential Pollutants
Nalco PCL-361 Tank - Cooling Tower	Runoff to Cooling Tower Basin	Since tanks are located within secondary containment, no pollutants will be discharged.
Sodium Hypochlorite Tank – Cooling Tower	Runoff to Cooling Tower Basin	Since tanks are located within secondary containment, no pollutants will be discharged.
Sodium Hypochlorite Tank – Aux. Cooling Tower	Runoff to Basin B	Double walled tank located within a building. No pollutants will be discharged.
Water Treatment Chemicals - West Parking Lot	Runoff to Basin B	Since tanks are located within secondary containment, no pollutants will be discharged.
Water Treatment Chemical - East Parking Lot	Runoff to Basin B	Since drum is in a covered area, storm water contact unlikely under normal operating conditions.
Standby Service Water (chemicals)	Runoff to Basin A	Since containers are kept closed and are made of plastic, no pollutants will be discharged.
Burn Pit Area (empty drums, scrap metal & skip pans)	Runoff to Basin B	Some suspended solids and iron may be present in the storm water discharge.
Environmental Holding Area	Runoff to Basin A	Since area is covered and has secondary containment, storm water contact unlikely under normal operating conditions
Vehicle Maintenance Shop (fuel truck, industrial equipment & trash dumpster)	Runoff to Basin A	None are expected under normal operating conditions.
Vehicle Fueling Station	Runoff to Basin A	Since this area is covered, none under normal operating conditions.

Regulated Areas of Industrial Activity

Regulated Area	Drainage	Potential Pollutants
Aboveground Gasoline Tank - Vehicle Maintenance Shop	Runoff to Basin A	Since area is covered and has secondary containment, storm water contact unlikely under normal operating conditions
Sheet Metal Shop (unfinished metal, wood & rolloff)	Runoff to Basin A	None are expected under normal operating conditions.
Underground Diesel Storage Tanks	Runoff to Basin B	None are expected under normal operating conditions.
Northeast Laydown Area (industrial equipment, unfinished metal, wood & concrete)	Runoff to Basin A	Potential exists for suspended solids and iron to be present in the storm water discharge.
Northwest Laydown Area (unfinished metal, wood & concrete)	Runoff to Basin A	Potential exists for suspended solids and iron to be present in the storm water discharge.
Clean & Dirty Lube Oil Storage Tanks	Runoff to Basin B	Since tanks are located within secondary containment, no pollutants will be discharged.
Aboveground Lube Oil Tank - Radial Wells	Mississippi River	None are expected under normal operating conditions.
Aboveground Fuel Oil Tank - Telecommunications Emergency Generator	Runoff to Basin B	None are expected under normal operating conditions.
Spray Paint Shop (sandblast material, pallets & empty drums)	Runoff to Field Below Shop Area	Some suspended solids and iron may be present in storm water discharge.
Building and Grounds Area (metal and equipment)	Runoff to Basin A	Some iron may be present in storm water discharge.
Ballfield Renovation Area	Stock Pond	Some suspended solids may be present in storm water discharge.

Regulated Areas of Industrial Activity

Regulated Area	Drainage	Potential Pollutants
Fire Training Area (diesel fuel, fire extinguishers & foam)	Runoff to Fire Training Area Holding Pond	Some petroleum hydrocarbons and suspended solids may be present in storm water discharge.
Spoils Area	Runoff to Basin B	Some suspended solids and iron may be present in storm water discharge.
Construction Transformers - Site Wide	Runoff to Basin A or B	None are expected under normal operating conditions.
ESC Water Softener Unit	Runoff to Basin A and B	Some suspended solids in the form of salts may be present in storm water discharges.
Hydrogen Storage Tank	Runoff to Stream A	None are expected under normal operating conditions.
Oxygen Storage Tank	Runoff to Stream A	None are expected under normal operating conditions.
Nitrogen Storage Tank	Runoff to Stream A	None are expected under normal operating conditions.
Nitrogen Storage Tank	Runoff to Basin B	None are expected under normal operating conditions.
North Active Security Barrier	Runoff to Stream A	None are expected under normal operating conditions.
Security Island Active Security Barrier	Runoff to Basin B	None are expected under normal operating conditions.

ATTACHMENT II

Storm Water Sampling Data

GGNS STORM WATER SAMPLING DATA

DATE ⁵	OUTFALL NUMBER	OIL&GREASE [PPM]	TSS [PPM]	FLOW [MGD]	TRC ¹ PPM	pH [SU]	24 HOUR RAINFALL ² [Inches]	TOTAL ZINC ³ [PPM]
1/11/2005	007	0	1	0.050	0.16	8.10	1.32	N/A
1/11/2005	013	N/A	23	0.35	N/A	6.83	1.32	N/A
1/11/2005	014	N/A	4	0.19	N/A	7.00	1.32	N/A
1/11/2005	016	N/A	N/A	0.042	0	8.12	1.32	N/A
2/8/2005	007	0	7	0.050	0	7.34	0.84	N/A
2/15/2005	007	0	4	0.050	0	7.25	0.64	N/A
3/8/2005	007	0	3	0.050	0	7.42	1.46	N/A
3/8/2005	016	N/A	N/A	0.042	0	7.07	1.46	N/A
3/22/2005	007	0	29	2.41	0	7.09	1.0	N/A
4/5/2005	007	0	0	0.050	0	8.17	1.23	N/A
4/5/2005	013	N/A	14	1.2	N/A	7.86	1.23	N/A
4/5/2005	014	N/A	9	0.13	N/A	7.03	1.23	N/A
4/5/2005	016	N/A	N/A	0.007	0	8.24	1.23	N/A
4/19/2005	007	0	0	0.050	0	7.68	0.05	N/A
5/10/2005	007	0	5	0.050	0	7.59	0.45	N/A
6/7/2005	007	0	0	0.050	0	7.51	1.14	N/A
6/14/2005	007	0	2	0.050	0	7.33	0.09	N/A
7/5/2005	007	0	0	0.050	0	8.33	0.08	N/A
7/5/2005	013	N/A	6	1.6	N/A	7.62	0.08	N/A
7/5/2005	014	N/A	3	0.13	N/A	8.89	0.08	N/A
7/5/2005	016	N/A	N/A	0.042	0	8.66	0.08	N/A
7/19/2005	007	0	0	0.050	0	8.14	0.32	N/A
8/16/2005	007	0	0	0.223	0	7.91	0.11	N/A
11/15/2005	007	0	0	0.050	0	7.08	0.06	N/A
12/06/2005	007	0	1	0.050	0	7.16	0.05	N/A
12/06/2005	016	N/A	N/A	0.007	0.26	8.79	0.05	N/A
1/10/2006	007	0	5	0.050	0	8.49	0.31	N/A
1/10/2006	013	N/A	14	0.100	N/A	8.10	0.31	N/A
1/10/2006	014	N/A	5	0.050	N/A	8.92	0.31	N/A
1/10/2006	016	N/A	N/A	0.007	0	8.35	0.31	N/A
1/16/2006	007	0	8	0.223	0	8.40	0.79	N/A
2/07/2006	007	0	3	0.223	0	7.84	0.43	N/A
2/21/2006	007	0	0	0.050	0	7.63	0.02	N/A
3/21/2006	007	0	17	0.223	0	6.94	2.75	N/A
4/4/2006	007	0	0	0.223	0	6.99	0.40	N/A
4/4/2006	013	N/A	27	0.800	N/A	7.18	0.40	N/A
4/4/2006	014	N/A	6	0.190	N/A	7.82	0.40	N/A
4/4/2006	016	N/A	N/A	0.007	0	7.16	0.10	N/A
5/5/2006	007	0	77	0.223	0	8.35	0.76	N/A
5/15/2006	007	N/A	16	N/A	N/A	N/A	1.26	N/A
5/16/2006	007	N/A	0	N/A	N/A	N/A	1.26	N/A
5/17/2006	007	N/A	0	N/A	N/A	N/A	0.05	N/A
5/18/2006	007	N/A	2	N/A	N/A	N/A	0.05	N/A

¹TRC means Total Residual Chlorine

²24 hour GGNS rain gauge measurement, that approximates time of sampling

³Reserved

⁴Reserved

⁵ Data for the period January 2004 through December 2004 was included in revision 10.

ATTACHMENT III

Annual Storm Water Inspection Form

Inspection Report and Certification Form
For Storm Water Pollution Prevention Plan Evaluation
Baseline Storm Water General NPDES Permit No. MSR000883

Owner and/or Operator: _____

Facility Name: _____

Facility Location: _____

Date and Time: _____

Inspector(s): _____

Date of Last Rainfall: _____ Estimated Amount: _____

Deficiencies Noted During the Inspection (attach additional sheets if necessary):

Corrective Action Needed (attach additional sheets if necessary):

Corrective Action Compliance Schedule:

Based upon this inspection which I or personnel under my direct supervision conducted, I certify that all pollution control measures are adequate and have been implemented and maintained, except for those deficiencies noted above, in accordance with the Storm Water Pollution Prevention Plan filed with the Office of Pollution Control and good engineering practices as required by the above referenced permit.

I certify under penalty of law that this document and all attachments were prepared under my 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 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 fines and imprisonment for knowing violations.

I further certify that the Mississippi Office of Pollution Control has been notified of any changes pertinent to our storm water permit as required in Part II.C.

_____/_____/_____
Authorized Name (Print) Signature Date

ATTACHMENT IV

Small Construction Project Permit Requirements [Greater than 1 acre but less than 5 acres]

Including:

**Construction of
Access Roads to Test Well and Geologic Core Bore Sites and
Test Pits**

**Appendix A: State Small Construction General Permit
Requirements**

**Appendix B: Environmental Regulatory Review for the Geologic
Core Bore Sites and Test Pits**

Storm Water Pollution Prevention Plan (SWPPP) for Construction of Access Roads to Test Well and Geologic Core Bore Sites and Test Pits

This plan is prepared to comply with the requirements prescribed by the Mississippi Department of Environmental Quality [MDEQ] Small Construction General Permit. As such, this document follows the plan development guidance provided in Part III of the Small Construction General Permit [Appendix A].

Details and additional guidance regarding the development and implementation of this plan were also provided by the following:

Mississippi Storm Water Pollution Prevention Plan Guidance Manual for Construction Activities

The Mississippi Department of Environmental Quality [MDEQ] Small Construction General Permit

The Grand Gulf Nuclear Station [GGNS] Storm Water Pollution Prevention Plan [SWPPP]

The GGNS Spill Prevention and Countermeasures Plan [SPCC]

The GGNS National Pollution Discharge Elimination System Permit [NPDES]

RESPONSIBILITIES:

Enercon or their sub-contractors are responsible for determining the appropriate erosion control devices and methodologies and for construction project oversight including verifying compliance with this plan and any appropriate limitations and conditions.

Enercon or their sub-contractors are responsible for construction, construction contractor oversight and implementing and maintaining erosion controls as instructed and or delegated by Entergy Engineering. This includes inspections and erosion control maintenance requirements and compliance with this plan and any appropriate limitations and conditions.

GGNS Chemistry is responsible for obtaining permits, regulatory interpretations and transmitting required regulatory reports or notifications, such as noncompliance reports, to the proper regulatory authority. Chemistry is also responsible for independently verifying compliance with the appropriate regulations and GGNS management expectations.

Enercon or their sub-contractors: Are responsible for complying with applicable regulatory requirements and Entergy procedures and requirements.

PLAN AMENDMENTS: [Part III; Section A., Items 4 and 5]

This plan shall be amended and required changes implemented within 15 days after notification by MDEQ that the plan does not meet minimum requirements. In addition this plan shall be amended:

1. Before there is a change in construction, operation, or maintenance which may potentially effect the discharge of pollutants to State waters and,
2. If the plan proves to be ineffective in controlling storm water pollutants including, but not limited to, significant sediment leaving the site and non-functioning Best Management Plans [BMPs].

COMPLIANCE WITH LOCAL ORDINANCES: [Part III; Section B., Items 1 and 2]

There are no local ordinances mandating additional requirements beyond those already prescribed by the Small Construction General Permit. In addition no storm water discharges will enter a municipal sewer system.

SWPPP DETAILS: [Part III; Section C., Items 1 - 6]

OWNER/OPERATOR:

Entergy Operations, Incorporated
Grand Gulf Nuclear Station [GGNS]
P.O. Box 756
Port Gibson, MS 39150

The following persons have day to day operational control of construction and test activities to ensure compliance with this SWPPP or other permit conditions.

Enercon Oversight and Construction:
Jim Kegerreis 601-437-2348

Contractor: TBD

Enercon or their sub-contractors retain ultimate responsibility for determining the proper erosion control methods. Controls should, at a minimum, be in accordance with the standards set forth in "Planning and Design Manual for the Control of Erosion, Sediment and Storm Water" or other recognized manual of design as appropriate for Mississippi. The planning and design manual can be obtained by contacting MDEQ at 601-961-5171 or may be found electronically at Mississippi State's educational website at <http://abe.msstate.edu/csd/p-dm/>. In addition, Mississippi's "Storm Water Pollution Prevention Plan (SWPPP) Guidance Manual for Construction Activities" is available by calling MDEQ at 601-961-5171 or on the MDEQ website at www.deq.state.ms.us.

These erosion controls shall address the following minimum components:

Vegetative Practices shall be designed to preserve existing vegetation where possible and re-vegetate disturbed areas as soon as practical after grading or construction. Such practices may include surface roughening, temporary seeding, permanent seeding, mulching, sod stabilization, vegetative buffer strips, and protection of trees.

Structural Practices shall divert flows from exposed soils, store flows or otherwise limit runoff from exposed areas. Such practices may include construction entrance/exit controls, straw bale dikes, silt fences, earth dikes, brush barriers, drainage swales, check dams, subsurface drains, pipe slope drains, level spreaders, drain inlet protection, outlet protection, detention/retention basins, sediment traps, temporary sediment basins or equivalent sediment controls.

Post Construction Control Measures shall be installed to control pollutants in storm water after construction is complete. These controls include, but are not limited to, on-site filtration of run off, flow attenuation using open vegetated swales, exfiltration trenches and natural depressions, constructed wetlands and retention/detention structures. Where needed, velocity dissipation devices shall be placed at detention or retention pond outfalls and along the outfall channel to provide non-erosive flow.

PROJECT SCOPE:

The construction of roads and maintenance of equipment storage areas including the limited removal of trees and the construction of unpaved access roads for the placement of geological/geotechnical test wells, bore holes and test pits. The total acreage that will be disturbed is conservatively estimated at 3.5 acres. The majority of these activities will take place west and south of the existing Protected Area (PA) perimeter.

EROSION AND SEDIMENT CONTROLS:

Primary potential impacts involve the construction of test pits, access roads in upslope areas, steep or unstable slopes, and the removal of trees in the immediate test areas, as required. Note that these areas have been previously disturbed by either silvacultural or previous construction activities and efforts will be made to utilize the existing old access [logging] roads, where possible.

Other test areas include stabilized existing parking lots, paved roadways, and construction laydown areas minimizing potential surface water runoff impacts related to these sampling activities.

After testing is completed, access roads and similar disturbed areas will be re-vegetated to minimize future potential erosion impacts.

The construction of access roads and the temporary storage of vehicles and testing equipment, such as drilling pipe, are anticipated to have a similar or less impact than those activities typically observed during small scale silvacultural and construction operations.

As mentioned, much of the testing occurs in areas already stabilized and maintained at grade on property primarily covered either by concrete, asphalt or gravel. Draining for these areas is provided by concrete ditches, spillways and catch basins that enter into an unnamed tributary that traverses GGNS property and enters into a sedimentation basin and eventually Hamilton Lake. This tributary is far enough removed from the test access areas to preclude any significant impacts on riparian trees or buffer zones. Storm drains located in the vicinity of these areas also enter directly into a sedimentation basin through National Pollutant Discharge Elimination System [NPDES] Outfall 007. Based upon previous similar testing activities, storm water impacts upon Outfall 007 will be negligible. Storm drains in the vicinity of any test locations may be temporarily covered or otherwise secured to preclude any impact.

The sedimentation basins were excavated during construction of the GGNS facility and were originally designed to slow the flow of storm waters and allow sediments from construction activities to settle out of solution before entering State waters. Although the sedimentation basins have not been maintained to original design specifications they are still functional and provide additional protection by ponding runoff in these controlled areas.

The following controls will also be implemented, as required, to retain sediment on site:

Disturb the smallest area possible by using existing access routes when possible.

Strategically place silt fencing, hay bales, or other barriers as needed to filter and slow storm water runoff.

If required, temporarily cover storm drains to eliminate point sources of contamination.

Use hay bales, silt fencing, berms or other engineering controls to slow rainfall runoff velocities and prevent erosive flows.

Minimize the amount of cut and fill.

NON-STORM WATER DISCHARGES:

Non storm water discharges are regulated by the GGNS NPDES Permit. Contact Chemistry for approval before discharging any non-storm water.

NATIONAL HISTORICAL PRESERVATION ACT:

The Grand Gulf Nuclear Station was originally evaluated by the Mississippi Department of Archives and History during the construction of the facility. This evaluation determined that operation of the station will not result in any impact on historic and archaeological sites in the area [Draft Environmental Statement, United States Regulatory Commission, May 1981, Page 5-7; Final Environmental Statement, United States Regulatory Commission, September 1981, Page 5-7].

NOTE

Work orders and procedures must include cultural resource specific written directions for excavation and backfill work which calls for an immediate stop-work order should archeological, historical, or other cultural resources be uncovered during excavation. The construction supervisor is responsible for ensuring work stoppage and for notifying the Environmental Lead* of an inadvertent discovery.

In the event of an inadvertent discovery the Environmental Lead* will determine the inadvertent discovery's significance and if necessary, notify the State Historic Preservation Officer to consult with them regarding the discovery to determine if an additional archeological assessment is needed.

* Environmental Leads:

Rusty Shaw 601-437-7312

John Lassetter 601-437-2115

HOUSEKEEPING PRACTICES:

GGNS requires the following housekeeping practices to minimize contamination of storm water:

Equipment Maintenance and Repair:

Major equipment repairs will be conducted at the Vehicle Maintenance Shop or offsite by the vendor.

Minor field repairs may be performed provided that precautions are taken to assure fuel or oil does not contaminate the ground or storm water. These precautions include the use of drip pans, containment devices that are impervious to oil or fuel, absorbent pads and/or booms or other devices as required.

In addition, vehicle and equipment maintenance activities should not be performed outdoors during periods of precipitation. The equipment should be relocated, if possible, to an area that provides adequate protection from precipitation. In emergency situations a shelter may be improvised to shield the equipment from precipitation provided that controls are implemented to prevent the contamination of surface storm water runoff.

Concrete Chute Wash Off:

A holding pond must be excavated in a laydown or other area sufficient in size and volume to contain the concrete residue and rinse waters from cement delivery trucks plus additional freeboard to assure that these waters are not mixed and/or discharged with storm water. No other washing will be authorized.

Waste Receptacles:

Waste receptacles such as dumpsters, roll-off boxes and similar devices should be placed at convenient locations. Waste should be regularly collected and disposed of and not allowed to accumulate or overflow containers. In addition, workers should police access, testing, and construction areas to assure that trash and debris does not contaminate or is not removed by storm water run off.

Chemical Use and Storage:

All chemicals must be approved by the Site Chemical Control Coordinator before they are brought on site. After approval each chemical container must retain the proper label(s), including the chemical control label, and be properly stored as directed by the Site Chemical Control Coordinator and in accordance with site safety and fire protection requirements.

Chemicals may not be left unattended. When chemicals are not in use they must be properly secured and stored.

Protective clothing requirements are prescribed by GGNS Industrial Plant Safety.

All personnel, including contractors are required to comply with the appropriate GGNS procedures and expectations at all times.

Sanitary Facilities:

Sanitary facilities are located at various locations. If these are not sufficient portable facilities must be provided that are in good structural condition and routinely serviced.

Secondary Containment:

The storage of fuel and oil is governed by the GGNS Spill Prevention Control and Countermeasures Plan [SPCC]. Temporary fuel and oil storage as well as restrictions on draining water from containment devices must comply with the requirements of this plan.

Temporary fuel and oil containers must have containment of sufficient volume to contain their contents plus 10% additional freeboard. These must also be located in areas where they are protected from damage by vehicular traffic [Review the appropriate Environmental Regulatory Review for more detailed information].

In addition, temporary equipment not in use must also be provided with containment unless equipped with double walled tanks, skid pans or other devices capable of containing the entire contents of the tank.

Water may not be discharged from containment devices if there is a visible sheen or other evidence of contamination. Contact Chemistry for additional guidance prior to discharging potentially contaminated water from containment devices.

Releases of Fuel, Oil or other Substances:

Any spill, regardless of the volume, must be immediately reported to the Control Room [X2374 or Radio Channel 1]. The control room will dispatch trained HAZMAT responders if necessary.

If possible, spills should immediately be controlled so they do not mix with storm water or pose a threat to state waters.

All spills must be promptly cleaned and contaminated sediments removed. Chemistry will provide guidance for the remediation of spills and for the disposal of associated waste materials.

GGNS Chemistry evaluates all spills to determine reportability and the need to contact Federal or State regulatory officials. Verify that Chemistry has been contacted and is aware of the spill.

Chemistry contacts are:

Supervisor: John Lassetter 601-437-2115

Staff: Rusty Shaw 601-437-7312

GGNS procedures and expectations also require that all spills are documented by the Control Room using the Spill Report Form and that the incident is documented using a Condition Report [CR].

Scaled Site Map:

See maps on page 45 and 46.

Implementation Sequence:

Necessary erosion and sedimentation controls described in this plan will be implemented before any construction activities begin:

- Implementation of the testing and associated construction/clearing activities will begin April 1, 2006.
- These activities will be concluded approximately August 1, 2006.

Limitations and Requirements:

The limitations and requirements specified in the MDEQ Small Construction General Permit are included in Appendix A. Please note the following additional comments:

Inspection Requirements [Part IV; Item C]: Inspections are performed by the person having direct management oversight of the project, or responsible designee, who retains the ability to maintain or modify existing erosion controls or implement additional controls as required. Chemistry makes independent inspections and verifications of compliance including suggestions and recommendations for improving erosion controls, as needed.

Retention of Records [Part IV; Item E]: Original inspection forms are maintained with a copy of the SWPPP Permit by the person having direct management oversight of the

project, or responsible designee, for inspection by MDEQ. When the project is completed copies of the inspections should be transmitted to file and the originals forwarded to Chemistry to be maintained on file for inspection for three (3) years from the date construction was completed.

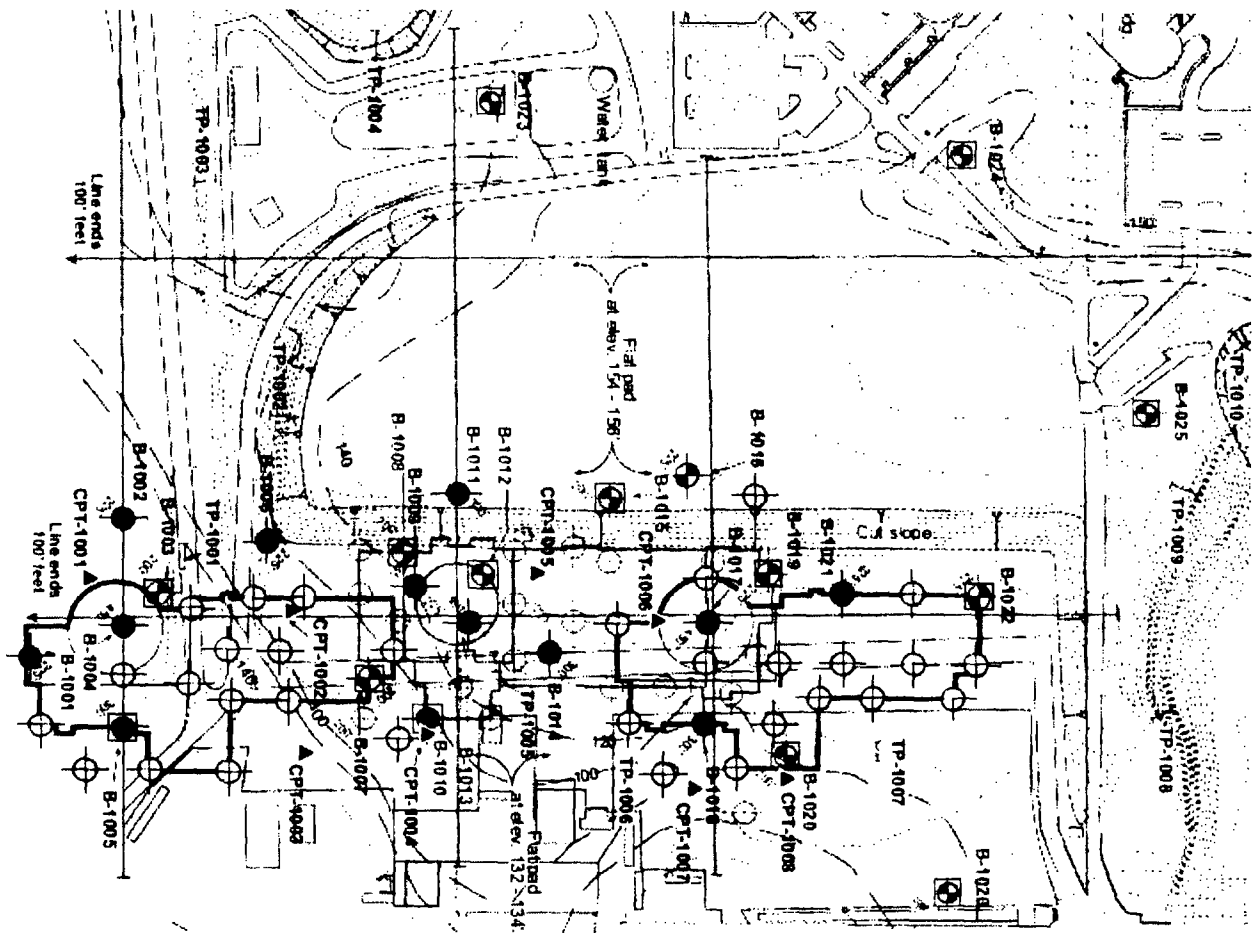
Noncompliance Reporting [Part IV; Item F]: Chemistry transmits all regulatory reports and notifications to the proper regulatory authorities. Because a noncompliance has the real potential to result in an NPDES permit exceedance or other regulatory requirement **GGNS Chemistry must immediately be made aware of any circumstances that could or do result in a noncompliance with the limitations and requirements specified in the MDEQ Small Construction General Permit** [Appendix A].

Any noncompliance may constitute a violation of State and Federal law and may provide grounds for an enforcement action

[illegible]

GONSSWPP (REV 13) - 45

Proposed Test Pit Locations



Test Pits are designated by:

TP-1005 Proposed test pit

APPENDIX A

to the

**Small Construction Project Permit Requirements
[Greater than 1 acre but less than 5 acres]**

State [MDEQ] Small Construction General Permit Requirements

**State of Mississippi
Mississippi Department of
Environmental Quality (MDEQ)
Office of Pollution Control (OPC)
Water Pollution Control
STORM WATER
SMALL CONSTRUCTION GENERAL PERMIT**

THIS CERTIFIES THAT

**SMALL CONSTRUCTION PROJECTS (EQUAL TO OR GREATER THAN ONE
ACRE AND LESS THAN FIVE ACRES) ARE GRANTED PERMISSION TO
DISCHARGE STORM WATER ASSOCIATED WITH CONSTRUCTION ACTIVITY
UNDER THE TERMS AND CONDITIONS OF THIS PERMIT**

INTO

WATERS OF THE STATE OF MISSISSIPPI

**in accordance with effluent limitations, inspection requirements and other conditions set
forth in Parts I through VII hereof. 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**

**Permit Issued: March 11, 2003
Permit Expires: February 29, 2008**

Permit No. MSR15

**STORM WATER SMALL CONSTRUCTION
GENERAL NPDES PERMIT
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Part I. Permit Applicability and Authorization

A. Permit Area. The permit covers all areas of the State of Mississippi.

B. Covered Discharges. Discharges composed entirely of storm water from small construction activities, except as noted in Part I. E., including clearing, grading, excavating and other land disturbing activities equal to or greater than one (1) acre and less than five (5) acres.¹ These discharges are automatically designated as small construction activities under the National Pollutant Discharge Elimination System (NPDES) storm water program and are automatically covered under this permit. Small construction activities disturbing less than one (1) acre are designated if:

- The project is part of a larger common plan of development or sale with a cumulative planned disturbance of equal to or greater than one (1) acre and less than five (5) acres (for example, individual or commercial lots that are part of a subdivision or a commercial development that initially impacts less than one (1) acre but will ultimately exceed the one (1) acre threshold²), or
- The Executive Director of the Mississippi Department of Environmental Quality (MDEQ) designates the construction activity based on the potential for contribution to a violation of a water quality standard or for significant contribution of pollutants to waters of the State.

Small construction activity does not include routine maintenance that is performed to maintain the original line and grade, hydraulic capacity, and original purpose of the facility (for example, existing ditches, channels, or other similar storm water conveyances, as well as routine grading of existing dirt roads, asphalt overlays of existing roads, and other similar maintenance activities).

C. Obtaining Authorization. Owners or operators are authorized to discharge storm water associated with small construction activity under the terms and conditions of this permit upon commencement of small construction land disturbing activities (i.e., Construction may begin after development of the required Storm Water Pollution Prevention Plan (SWPPP) and the completion of the Small Construction Notice of Intent (SCNOI)).

D. On-going Construction Activities. Projects that are on-going as of March 10, 2003 and are equal to or greater than one (1) acre and less than five (5) and do not have coverage under Construction General Permit MSR10 must obtain coverage by complying with the terms and conditions of this permit.

E. Allowable Non-Storm Water Discharges. Owner or operators are authorized for the following non-storm water discharges. Except for flows from fire fighting activities, sources of non-storm water below that are combined with storm water discharges associated with construction activity must be identified in the Storm Water Pollution Prevention Plan (SWPPP). The SWPPP must identify and ensure the implementation of appropriate pollution prevention measures for the non-storm water component(s) of the discharge.

- Discharges from fire-fighting activities
- Fire hydrant flushings
- Waters used to wash vehicles where detergents are not used
- Water used to control dust
- Potable water sources including water line flushings
- Routine external building wash down that does not use detergents
- Pavement wash waters where spills or leaks of toxic or hazardous materials have not occurred (unless all spilled material has been removed) and where detergents are not used
- Uncontaminated air conditioning or compressor condensate
- Uncontaminated ground water or spring water
- Foundation or footing drains where flows are not contaminated with process materials such as solvents

¹This includes the total area disturbed over the course of the project. For home sites - a minimum of 10,000 ft² per home site or the entire lot, if smaller, shall be included.

²For subdivision development, if the total acreage disturbed for the entire development is 5 acres or greater then all lots are covered by Mississippi's Storm Water Construction General Permit for construction activity over 5 acres (Large Construction).

F. Responsibility for Permit Compliance. The owner(s) of the property and any operator(s) associated with small construction activity on the property shall have joint and several responsibility for compliance with this permit.

G. This Permit Does Not Authorize:

- **Discharges of hazardous substances or oil.** This permit does not authorize the discharge of hazardous substances or oil resulting from an on-site spill.
- **Post Construction Discharges.** This permit does not authorize storm water discharges that originate from the site after construction activities have been completed and the site has undergone final stabilization.
- **Discharges Covered by Another Permit.** This permit does not authorize storm water discharges associated with construction activity that have been covered under an individual permit in accordance with Part I. H. of this permit.
- **Discharges Threatening Water Quality.** This permit does not authorize storm water discharges from construction sites that the Executive Director determines will cause, or have reasonable potential to cause or contribute to, violations of water quality standards. Where such determinations have been made, the Mississippi Environmental Quality Permit Board (Permit Board) may notify the owner or operator that an individual permit application is necessary in accordance with Part I. H. of this permit. However, the Permit Board may authorize coverage under this permit after appropriate controls and implementation procedures designed to bring the discharges into compliance with water quality standards have been included in the Storm Water Pollution Prevention Plan.
- **Discharges to Impaired Receiving Waters.** The SWPPP must specifically identify Best Management Practices (BMPs) which ensure storm water will not cause or contribute to non-attainment of a water quality standard. In cases where the Permit Board becomes aware of potential impairment due to small construction activities, the Permit Board may require the submittal of the SWPPP in order to ascertain whether the selected BMPs are sufficient to comply with requirements of this permit or any other requirements of the Permit Board. The list of impaired receiving waters may be found on the MDEQ web site at www.deq.state.ms.us or by calling 601-961-5171.

H. Requiring an Individual Permit

Upon notification of a small construction project, the Permit Board may require an alternate permit. The Permit Board may require any owner or operator of land disturbing activities of equal to or greater than one (1) acre and less than five (5) acres to apply for and obtain an individual NPDES permit. Any interested person may petition the Permit Board to take action under this paragraph. The Permit Board may require any small construction owner or operator to apply for an individual NPDES permit only if the owner or operator has been notified in writing. This notice shall include reasons for this decision, an application form and a filing deadline. The Permit Board may grant additional time upon request.

Part II. Small Construction Notice of Intent (SCNOI)

A. Small Construction Notice of Intent (SCNOI). Prior to the commencement of small construction activity, the owner or operator must complete a Small Construction Notice of Intent (SCNOI). The SCNOI and SWPPP described in Part III shall be submitted to the Mississippi Department of Environmental Quality (MDEQ) **only upon request from MDEQ**; however, the SCNOI and SWPPP must be maintained at the permitted site or locally available in case inspector review is necessary. Failure to complete a SCNOI prior to the commencement of construction activity or to submit a SCNOI when requested is a violation of State regulations. The SCNOI shall be retained by the owner or operator as required by Part IV. E. of this permit. Attachments to the SCNOI must include: a U.S. Geological Survey quadrangle map or copy (**only if required to be submitted to MDEQ**) showing site location and a Storm Water Pollution Prevention Plan (SWPPP).

- B. Where to Submit the Small Construction Notice of Intent, if Requested.** Complete and appropriately signed SCNOI forms must be submitted to:

**Chief, Environmental Permits Division
MS Dept of Environmental Quality, Office of Pollution Control
P.O. Box 10385
Jackson, Mississippi 39289-0385**

Part III. Storm Water Pollution Prevention Plan (SWPPP)

- A. SWPPP Development.** A SWPPP shall be developed and implemented by the owner or operator of a small construction project. The SWPPP must include a description of appropriate control measures (i.e., BMPs) that will be implemented as part of the construction activity to control pollutants in storm water discharges.

1. The SWPPP shall be retained at the permitted site or locally available. A copy of the SWPPP must be made available to the MDEQ inspectors for review at the time of an on-site inspection.

2. BMPs shall be in place upon commencement of construction.

3. The Executive Director of MDEQ may notify the owner or operator at any time that the SWPPP does not meet the minimum requirements of this permit. After notification, the owner or operator shall amend the SWPPP, implement the changes and certify in writing to the Executive Director that the requested changes have been made. Unless otherwise provided by the Executive Director, the requested changes shall be made within 15 days.

4. The owner or operator shall amend the SWPPP and implement the changes before there is a change in construction, operation, or maintenance, which may potentially effect the discharge of pollutants to State waters.

5. The owner or operator shall amend the SWPPP and implement the changes if the SWPPP proves to be ineffective in controlling storm water pollutants including, but not limited to, significant sediment leaving the site and non-functioning BMPs.

B. Compliance with Local Storm Water Ordinances.

1. In addition to the requirements of this permit, the SWPPP shall be in compliance with all local storm water ordinances and shall provide a brief description of applicable local erosion and sediment controls and post-construction BMPs.

2. When storm water discharges into a municipal storm sewer system, the owner or operator must make the SWPPP available to the municipal authority upon request.

C. SWPPP Details.

1. **Owner or Operator.** The SWPPP shall identify the "owner or operator" as defined in Part VII. of this permit. The operator's name, complete mailing address and telephone number(s) shall be identified on the plan.

2. **Erosion and Sediment Controls.** The owner or operator shall list and describe controls appropriate for the construction activities and the procedures for implementing such controls. Controls shall be designed to retain sediment onsite and should:

- Divert upslope water around disturbed areas
- Limit exposure of disturbed areas to the shortest time possible
- Disturb the smallest area possible
- Preserve existing vegetation where possible, especially trees
- Preserve vegetated buffer zones around any creek, drain, lake, pond or wetland
- Slow rainfall runoff velocities to prevent erosive flows
- Avoid disturbing sensitive areas such as:
 - Steep and/or unstable slopes
 - Land upslope of surface waters
 - Areas with erodible soils

- Existing drainage channels
- Transport runoff down steep slopes through lined channels or piping
- Minimize the amount of cut and fill
- Re-vegetate disturbed areas as soon as possible
- Implement best management practices to mitigate adverse impacts from storm water runoff; and
- Remove sediment from storm water before it leaves the site by allowing runoff to pond in controlled areas to drop out sediment
- Filter runoff by using natural vegetation, brush barriers, silt fences, hay bales, etc.

At a minimum, the controls must be in accordance with the standards set forth in " Planning and Design Manual for the Control of Erosion, Sediment & Stormwater," or other recognized manual of design as appropriate for Mississippi. The planning and design manual can be obtained by calling 601/961-5171 or may be found electronically at Mississippi State's educational web site at <http://abe.msstate.edu/csd/p-dm/>. In addition, Mississippi's "Storm Water Pollution Prevention Plan (SWPPP) Guidance Manual for Construction Activities" is available by calling 601/961-5171 or on the MDEQ website at www.deq.state.ms.us. The erosion and sediment controls shall address the following minimum components.

a. **Vegetative practices** shall be designed to preserve existing vegetation where possible and revegetate disturbed areas as soon as practicable after grading or construction. Such practices may include surface roughening, temporary seeding, permanent seeding, mulching, sod stabilization, vegetative buffer strips, and protection of trees.

b. **Structural practices** shall divert flows from exposed soils, store flows or otherwise limit runoff from exposed areas. Such practices may include construction entrance/exit, straw bale dikes, silt fences, earth dikes, brush barriers, drainage swales, check dams, subsurface drains, pipe slope drains, level spreaders, drain inlet protection, outlet protection, detention/retention basins, sediment traps, temporary sediment basins or equivalent sediment controls.

c. **Post construction control measures** shall be installed to control pollutants in storm water after construction is complete. These controls include, but are not limited to on-site infiltration of runoff, flow attenuation using open vegetated swales, exfiltration trenches and natural depressions, constructed wetlands and retention/detention structures. Where needed, velocity dissipation devices shall be placed at detention or retention pond outfalls and along the outfall channel to provide a non-erosive flow.

3. **Non-Storm Water Discharges.** Except for flows from fire fighting activities, sources of non-storm water listed in Part I. E. of this permit that are combined with storm water discharges associated with construction activity must be identified in the SWPPP. The SWPPP must identify and ensure the implementation of appropriate pollution prevention measures for the non-storm water component(s) of the discharge.

4. **Housekeeping Practices.** The owner or operator shall describe and list practices appropriate to prevent pollutants from entering storm water from construction sites due to poor housekeeping. The owner or operator shall:

- designate areas for equipment maintenance and repair and concrete chute wash off;
- provide waste receptacles at convenient locations;
- provide regular collection of waste;
- provide protected storage areas for chemicals, paints, solvents, fertilizers, and other potentially toxic materials;
- provide adequately maintained sanitary facilities; and
- provide secondary containment around on-site fuel tanks.

Releases into the environment of hazardous substances, oil, and pollutants or contaminants, which pose a threat to applicable water quality standards or causes a film, sheen or discoloration of State waters, shall be reported to the:

- Mississippi Emergency Management Agency (601) 352-9100
- National Response Center 1-800-424-8802

5. Prepare Scaled Site Map. The owner or operator shall prepare a scaled site map showing total area of the site, original and proposed contours (if practicable), direction of flow of storm water runoff, adjacent receiving water bodies, north arrow, all erosion & sediment controls (vegetative and structural), post construction control measures as described in Part III. C. 2. of this permit, and an estimate of the pre and post construction runoff coefficients of the site (see runoff coefficients in Part VII.) and the increase in impervious area.

6. Implementation Sequence. The owner or operator shall prepare an orderly listing which coordinates the timing of all major land-disturbing activities together with the necessary erosion and sedimentation control measures planned for the project.

Part IV. Limitations and Requirements

A. Non-Numeric Limitations.

Storm water discharges shall be free from:

1. debris, oil, scum, and other floating materials other than in trace amounts
2. eroded soils and other materials that will settle to form objectionable deposits in receiving waters
3. suspended solids, turbidity and color at levels inconsistent with the receiving waters
4. chemicals in concentrations that would cause violation of State Water Quality Criteria in the receiving waters

B. Implementation Requirements.

The owner or operator shall:

1. implement the SWPPP as required;
2. install downslope and perimeter controls before any major land disturbing activities;
3. install needed erosion controls even if they may be located in the way of subsequent activities, such as utility installation, grading or construction. It shall not be an acceptable defense that controls were not installed because subsequent activities would require their replacement or cause their destruction;
4. implement controls as needed to prevent erosion and adverse impacts to receiving streams and shall install additional and/or alternative erosion and sediment controls when existing controls prove to be ineffective in preventing sediment from leaving the site;
5. maintain all erosion and sediment controls. As a minimum accumulated sediment shall be removed from controls when it reaches 1/3 to 1/2 the height of the control and properly disposed. Nonfunctioning controls shall be repaired, replaced or supplemented with functional controls within 24 hours of discovery or as soon as field conditions allow;
6. implement the appropriate temporary or permanent vegetative practices within seven calendar days when a disturbed area will be left undisturbed for thirty days or more;
7. minimize off-site vehicle tracking of sediments;
8. remove any off-site accumulations of sediment at a frequency sufficient to minimize offsite impacts (e.g., fugitive sediment in street could be washed into storm sewers by the next rain and/or pose a safety hazard to users of public streets); and
9. comply with applicable State or local waste disposal, sanitary sewer or septic system regulations.

C. Inspection Requirements. Inspection of all erosion controls and other SWPPP requirements shall be performed during land disturbing activities. Inspections shall be performed:

1. at least once a week;
2. within 24 hours of the end of a storm event of a half-inch or greater;
3. as often as is necessary to ensure that appropriate erosion and sediment controls have been properly constructed and maintained and determine if additional or alternative control measures are required.

D. Documentation of Inspections. All inspections required by Part IV. C. of this permit must be documented and certified according to Part V. H. of this permit (see Part IX Inspection Form). Documentation must include the day and time the inspection was performed, who performed the inspection, any deficiencies noted, and corrective action needed. Documentation of all inspections must be kept with the SWPPP. Inspections must continue until such time that planned construction activities have been completed, land disturbing activities have ceased and disturbed areas have been stabilized with no significant erosion occurring.

E. Retention of Records. All records, reports and information resulting from activities required by this permit shall be retained by the owner or operator, on-site if practicable, for a period of at least three years from the date construction was completed.

F. Noncompliance Reporting.

1. **Anticipated Noncompliance.** The owner or operator shall give at least 10 days advance notice, if possible, before any planned noncompliance with permit requirements. Giving notice of planned or anticipated noncompliance does not immunize the owner or operator from enforcement for that noncompliance.

2. **Unanticipated Noncompliance.** The owner or operator shall notify the MDEQ orally within 24 hours from the time he or she becomes aware of unanticipated noncompliance. A written report shall be provided to the MDEQ within 5 working days of the time he or she becomes aware of the circumstances. The report shall describe the cause, the exact dates and times, steps taken or planned to reduce, eliminate, or prevent reoccurrence and, if the noncompliance has not ceased, the anticipated time for correction.

G. Termination of Permit Requirements.

1. **If a SCNOI has not been requested by the Permit Board (SCNOI not submitted to MDEQ).** Upon successful completion of all permanent erosion and sediment controls, inspections and reporting requirements are no longer required. The owner or operator must record the date of completion of all permanent erosion and sediment controls on the final inspection report.

2. **If a SCNOI has been requested by the Permit Board (SCNOI submitted to MDEQ).** Upon successful completion of all permanent erosion and sediment controls for a small construction project a written notification of such shall be submitted to the MDEQ. All inspection forms described in Part IV, D. of this permit and provided in Part IX of this permit must be attached. Coverage is not terminated until done so in writing by the MDEQ.

Part V. Other Permit Conditions

A. Duty to Comply. Any permit noncompliance constitutes a violation of the Mississippi Air and Water Pollution Control Law and is grounds for enforcement action or requiring permit application in accordance with Part I, H. of this permit. It shall not be a defense in an enforcement action that it would have been necessary to halt or reduce the regulated activity in order to maintain compliance with the conditions of this permit.

B. Continuation of the Expired General Permit and Coverages under the Permit. All general permits and coverages shall remain in full force and effect until the Permit Board makes a final determination regarding any reissuance, modification, or revocation.

C. Duty to Mitigate. The owner or operator shall take all reasonable steps to minimize or prevent any discharge in violation of this permit, which is likely to adversely affect human health or the environment.

D. Duty to Provide Information. The owner or operator shall furnish to the Permit Board, within a reasonable time, any information that the Permit Board may request to determine compliance with this permit.

E. Signatory Requirements. All SCNOIs shall be signed as follows:

1. **For a corporation** by a responsible corporate officer. For this permit, a responsible corporate officer means: (a) 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 functions for the corporation; or (b) the manager of one or more manufacturing, production or operating facilities employing more than 250 persons or having gross annual sales or expenditures exceeding \$25,000,000 (in second-quarter 1980 dollars) if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures;

2. **For a partnership or sole proprietorship** by a general partner or the proprietor, respectively; or

3. For a municipal, State, Federal, or other public agency by either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a Federal agency includes: (a) the chief executive officer of the agency, or (b) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency.

F. Duly Authorized Representative. All reports required by this permit and other information requested by the Permit Board shall be signed by a person described in Part V. E., above, or by a duly authorized representative of that person. A person is duly authorized representative when:

1. the authorization is made in writing by a person described in Part V. E., above, and submitted to the Permit Board, if requested;

2. the authorization specifies either an individual or a position having responsibility for the overall operation of the regulated activity, such as manager, owner or operator, superintendent or one having overall environmental responsibility (a duly authorized representative may be a named individual or any individual occupying a named position).

G. Changes to Authorization. If an authorization is no longer accurate because a different individual or position has permit responsibility, a new authorization satisfying the above requirements must be submitted to the Permit Board prior to or together with any reports, information or applications signed by the representative.

H. Certification. Any person signing documents under this section shall make the following certification: I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated 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.

I. Oil and Hazardous Substance Liability. Nothing in this permit shall relieve the owner or operator from responsibilities, liabilities, or penalties under Section 311 of the Clean Water Act (CWA).

J. Property Rights. The issuance of this permit does not convey any property rights of any sort, nor any exclusive privileges, nor does it authorize any injury to private property nor any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

K. Transfers. Coverage under this permit is transferable after the former coverage recipient and new coverage recipient complete Form VIII. This form must be kept with your records. Submit to MDEQ only if an SCNOI has been submitted.

L. Severability. The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby.

M. Proper Operation and Maintenance. The owner or operator shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the owner or operator to achieve compliance with the conditions of this permit including the storm water pollution prevention plan. Proper operation and maintenance includes adequate laboratory controls with appropriate quality assurance procedures and requires the operation of backup or auxiliary facilities when necessary to achieve compliance with permit conditions.

N. Bypass Prohibition. Bypass (see 40 CFR 122.41(m)) is prohibited and enforcement action may be taken against a owner or owner or operator for a bypass, unless: (a) The bypass was unavoidable to prevent loss of life, personal injury, or severe property damage; (b) There were 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 the owner or operator should, in the exercise of reasonable engineering judgement, have installed adequate backup equipment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and (c) The owner or operator submitted notices per Part IV. G. of this permit.

O. Upset Conditions. An upset (see 40 CFR 122.41(n)) constitutes an affirmative defense to an action brought for noncompliance with technology-based permit limitations if a permittee shall demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence, that: (1) An upset occurred and the permittee can identify the specific cause(s) of the upset, (2) The permitted facility was at the time being properly operated, (3) The permittee submitted notices per Part IV. G. 2. of this permit, and (4) The permittee took remedial measures as required under Part V. C. of this permit. In any enforcement proceeding, the permittee has the burden of proof that an upset occurred. No determination made during administrative review of claims that noncompliance was caused by upset, and before an action for noncompliance, is final administrative action subject to judicial review.

P. Inspection and Entry. The owner or operator shall allow the MDEQ staff or an authorized representative, upon the presentation of credentials and other documents as may be required by law, to;

1. enter upon the premises where a regulated activity is located or conducted or where records must be kept under the conditions of this permit;
2. have access to and copy at reasonable times any records that must be kept under the conditions of this permit; and
3. inspect at reasonable times any facilities, equipment or project site.

Q. Permit Actions. This permit may be modified, revoked and reissued, or terminated for cause. A request by the owner or operator for permit modification, revocation and reissuance, or termination, or a certification of planned changes or anticipated noncompliance does not stay any permit condition.

Part VI. Reopener Clause

A. Requirement to Obtain Individual Permit. If there is evidence indicating potential or realized impacts on water quality due to storm water discharge covered by this permit, the owner or operator may be required to obtain individual permit in accordance with Part I. H. of this permit.

B. Permit Modification. Permit modification or revocation will be conducted according to 40 CFR 122.62, 122.63, 122.64 and 124.5.

Part VII. Definitions

Best Management Practices (BMPs) means schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the discharge of pollutants to waters of the United States. BMPs also include treatment requirements, operating procedures, and practice to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage.

Control Measure as used in this permit, refers to any Best Management Practice or other method used to prevent or reduce the discharge of pollutants to waters of the United States.

Commencement of Construction Activities means the initial disturbance of soils associated with clearing, grading, or excavating activities or other construction-related activities.

Commission means the Mississippi Commission on Environmental Quality.

Clean Water Act "CWA" refers to the Federal Water Pollution Control Act, 33 U.S.C. section 1251 et seq.

Discharge of Storm Water Associated with Small Construction Activity as used in this permit, refers to a discharge of pollutants in storm water runoff from areas where soil disturbing activities (e.g., clearing, grading, or excavation), construction materials or equipment storage or maintenance (e.g., fill piles, borrow area, concrete truck washout, fueling), or other industrial storm water directly related to the construction process (e.g., concrete) are located.

Executive Director means the Executive Director of the Department of Environmental Quality.

Facility or Activity means any NPDES "point source" or any other facility or activity (including land or appurtenances thereto) that is subject to regulation under the NPDES program.

Large Construction Activity includes clearing, grading, and excavating resulting in a land disturbance that will disturb equal to or greater than five (5) acres of land or will disturb less than five (5) acres of total land area but is part of a larger common plan of development or sale that will ultimately disturb equal to or greater than five (5) acres. Large construction activity is covered by another general permit.

Larger Common Plan of Development or Sale means a contiguous area where multiple separate and distinct construction activities are occurring under one plan. The plan in a common plan of development or sale is broadly defined as any announcement or piece of documentation (including a sign, public notice or hearing, sales pitch, advertisement, drawing, permit application, zoning request, computer design, etc.) or physical demarcation (including boundary signs, lot stakes, surveyor markings, etc.) indicating that construction activities may occur on a specific plot.

Operator for the purpose of this permit and in the context of storm water associated with construction activity, means any party associated with a construction project that meets either of the following two criteria:

1. The party has operational control over construction plans and specifications, including the ability to make modifications to those plans and specifications; or
2. The party has day-to-day operational control of those activities at a project which are necessary to ensure compliance with a storm water pollution prevention plan for the site or other permit conditions (e.g., they are authorized to direct workers at a site to carry out activities required by the SWPPP or comply with other permit conditions). This definition is provided to inform permittees of MDEQ's interpretation of how the regulatory definitions of "owner or operator" and "facility or activity" are applied to discharges of storm water associated with construction activity.

Owner or operator means the owner or operator of any "facility or activity" subject to regulation under the NPDES program.

Permit Board means the Mississippi Environmental Quality Permit Board established pursuant to Miss. Code Ann. § 49-17-28.

Pollutant is defined at 40 CFR 122.2. A partial listing from this definition includes: dredged spoil, solid waste, sewage, garbage, sewage sludge, chemical wastes, biological materials, heat, wrecked or discarded equipment, rock, sand, sediment, silt, cellar dirt, and industrial or municipal waste.

Runoff Coefficient means the fraction of total rainfall that will appear at the conveyance as runoff (see values below).

Successful Completion of all permanent erosion and sediment controls means when land disturbing construction activities have been completed and disturbed areas have been stabilized with no significant erosion occurring.

Small Construction Activity is defined at 40 CFR 122.26(b)(15) and incorporated here by reference. A small construction activity includes clearing, grading, and excavating resulting in a land disturbance that will disturb equal to or greater than one (1) acre and less than five (5) acres of land or will disturb less than one (1) acre of total land area but is part of a larger common plan of development or sale that will ultimately disturb equal to or greater than one (1) acre and less than five (5) acres. Small construction activity does not include routine maintenance that is performed to maintain the original line and grade, hydraulic capacity, or original purpose of the facility.

Storm Water means rainfall runoff, snowmelt runoff, and surface runoff.

Storm Water Pollution Prevention Plan "SWPPP" means a plan that includes site map(s), an identification of construction/contractor activities that could cause pollutants in the storm water, and a description of measures or practices to control these pollutants.

Values of Runoff Coefficient C:

Lawns:

Sandy soil, flat 2% 0.05-0.10

Sandy soil, average, 2-7% 0.10-0.15

Sandy soil, steep, 7% 0.15-0.20

Heavy soil, flat, 2% 0.13-0.17

Heavy soil, average, 2-7% 0.18-0.22

Heavy soil, steep, 7% 0.25-0.35

Business:

Downtown areas 0.70-0.95

Neighborhood areas 0.50-0.70

Residential:

Single family areas 0.30-0.50

Multi units, detached 0.40-0.60

Multi units, attached 0.60-0.75

Residential:

Suburban 0.25-0.40

Apartment dwelling areas 0.50-0.70

Industrial:

Light areas 0.50-0.80

Heavy areas 0.60-0.90

Parks, cemeteries 0.10-0.25

Playgrounds 0.20-0.35

Railroad yard areas 0.20-0.40

Unimproved areas 0.10-0.30

Streets:

Asphalt 0.70-0.95

Concrete 0.80-0.95

Brick 0.70-0.85

Drives and walks 0.75-0.85

Roofs 0.75-0.95

Part VIII. Transfer of Small Construction General Permit Coverage and/or Name Change

Instructions: For Ownership Change-Complete all items on this page (except Item VIII) and reverse side.
For Name Change Only-Complete Items I, II, V, VI, VII, VIII, and reverse side.

<p>Item I. Facility Name: _____ Location: (Do Not Use P.O. Box) _____ Street: _____ City: _____ State: MS Zip: _____ County: _____ Telephone: (_____) _____</p>	<p>Item II. Responsible official after transfer or name change: Name: _____ Title: _____ Mailing Address: Street/P.O. _____ Box: _____ City: _____ State: ____ Zip: _____ Telephone (_____) _____</p>								
<p>Item III. Previous Permittee¹: _____ Mailing Address: Street/P.O. Box: _____ City: _____ State: ____ Zip: _____ Telephone: (_____) _____</p>	<p>Item IV. New Permittee¹: _____ Mailing Address: Street/P.O. _____ Box: _____ City: _____ State: ____ Zip: _____ Telephone: (_____) _____</p>								
<p>Item V. Industrial Activity SIC Code: _____ Brief Description: _____</p>	<p>Item VI. Will Facility Operations Change? Yes ____ No ____ If yes, the appropriate applications and permits may required modification prior to change.</p>								
<p>Item VII. Will Facility Name Change? Yes ____ No ____ If Yes, Provide New Name for Permit Coverage. New Name: _____</p>	<p>Item VIII. Signature for Name Change Print Name: _____ Authorized Signature²: _____ Title: _____ Date: _____</p>								
<p>Item IX. We the undersigned transfer permit coverage MSR15 _____ (complete if known) From: _____ To: _____ Acquisition Date: _____</p>									
<p>By signature below, the new permittee certifies that they are aware of the requirements of the Small Construction General Permit and agrees to accept responsibility and liability for permit compliance. The previous permittee by signature below is transferring permit coverage to the new permittee.</p>									
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border-bottom: 1px solid black; text-align: center;">Print New Permittee¹ Name</td> <td style="width: 50%; border-bottom: 1px solid black; text-align: center;">Print Previous Permittee¹ Name</td> </tr> <tr> <td style="border-bottom: 1px solid black; text-align: center;">New Authorized Signature²</td> <td style="border-bottom: 1px solid black; text-align: center;">Previous Authorized Signature²</td> </tr> <tr> <td style="border-bottom: 1px solid black; text-align: center;">Title</td> <td style="border-bottom: 1px solid black; text-align: center;">Title</td> </tr> <tr> <td style="border-bottom: 1px solid black; text-align: center;">Date</td> <td style="border-bottom: 1px solid black; text-align: center;">Date</td> </tr> </table>		Print New Permittee ¹ Name	Print Previous Permittee ¹ Name	New Authorized Signature ²	Previous Authorized Signature ²	Title	Title	Date	Date
Print New Permittee ¹ Name	Print Previous Permittee ¹ Name								
New Authorized Signature ²	Previous Authorized Signature ²								
Title	Title								
Date	Date								

¹ A Permittee is a company or individual that is covered under the general permit.
² **Authorized Signature must be owner or operator.**

Page 1 of 2 January 2003

Item X. Storm Water

(Check One)

- ☐ The recipient certifies that they have received a copy of the SWPPP from the original owner.
☐ The recipient is developing a new SWPPP.

**If other environmental permits are involved please contact MDEQ at 601/961-5171 for the appropriate MDEQ transfer form or see MDEQ's web site at www.deq.state.ms.us
Submit to MDEQ only if an SCNOI has been submitted. If not submitted, you must keep this form with your records.**

Page 2 of 2 SEPTEMBER 1999

**Part IX. INSPECTION AND CERTIFICATION FORM FOR SMALL CONSTRUCTION EROSION AND
SEDIMENT CONTROLS**

This form shall be kept on-site unless required to be submitted to MDEQ (see Part IV. G.)

Inspections must be done weekly and after a half-inch rainfall event.

Coverage number if SCOI submitted (MSR15 _ _ _ _)

(Please Print)

Name: _____

Project Name: _____

Project Street Address: _____

Project City and County: _____

Startup Date: _____

Mailing Address: _____

Mailing City/State/Zip _____

Telephone Number _____

Inspection Log

Date and Time	After a Half-Inch Rain?	Any Deficiencies Observed?	Inspector(s)
_____	Yes or No	Yes or No	_____
_____	Yes or No	Yes or No	_____
_____	Yes or No	Yes or No	_____
_____	Yes or No	Yes or No	_____
_____	Yes or No	Yes or No	_____

Deficiencies Noted During any Inspection (give date(s); attach additional sheets if necessary):

Corrective Action Taken or Planned (give date(s)); (attach additional sheets if necessary):

Based upon this inspection which I or personnel under my direct supervision conducted, I certify that all erosion and sediment controls have been implemented and maintained, except for those deficiencies noted above, in accordance with the Storm Water Pollution Prevention Plan filed with the Office of Pollution Control and sound engineering practices as required by the above referenced permit. I certify under penalty of law that this document and all attachments were prepared under my 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 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 fines and imprisonment for knowing violations.

Authorized Name (Print) _____

Signature _____


Date _____

**If requested, mail to: Chief, Environmental Permits Division; Mississippi Department of Environmental Quality
P.O. Box 10385; Jackson, MS, 39289-0385**

APPENDIX B
To the
Small Construction Permit Requirements
[Greater than 1 acre but less than 5 acres]


**Construction of Access Roads to Test Well and Geologic Core
Bore Sites and Test Pits**

Environmental Regulatory Review


	NUCLEAR MANAGEMENT MANUAL	QUALITY RELATED	EN-EV-115	REV. 3		
		INFORMATIONAL USE	Page	16	of	22

ATTACHMENT 9.2
ENVIRONMENTAL REVIEW FORM (TYPICAL)
SHEET 1 of 1

1. Facility: Grand Gulf Nuclear Station
2. Document Number: Grand Gulf COL
3. ER Number: N/A
4. Activity Reviewed: Geotechnical/geological investigation work
5. Complete Screening Below (as applicable to each site):

Reference	Within Scope	Modification/Revision/ Approval Needed
Section 2.0[1] References	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Section 2.0[2] References	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Section 2.0[4] References (ANO)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No
Section 2.0[5] References (GGNS)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Section 2.0[6] References (IP2)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No
Section 2.0[7] References (IP3)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No
Section 2.0[8] References (JAF)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No
Section 2.0[9] References (PNPS)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No
Section 2.0[10] References (RBS)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No
Section 2.0[11] References (VYNPS)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No
Section 2.0[12] References (W3)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No

6. If within scope, attach cited reference(s) and appropriate section(s) along with a brief discussion:
7. If a modification, revision or approval is needed, attach a brief discussion:
8. Prepared By: D.K. Crawley Date: 03/20/2006

	NUCLEAR MANAGEMENT MANUAL	QUALITY RELATED	EN-EV-115	REV. 3		
		INFORMATIONAL USE	Page	17	of	22

ATTACHMENT 9.3
ENVIRONMENTAL EVALUATION FORM (TYPICAL)
SHEET 1 OF 1

1. Document Evaluated: Grand Gulf COL				
2. Description of proposed change (attach additional sheets if needed): Geotechnical/geological investigation work				
3. Analysis of environmental impact (attach additional sheets if needed): See Attached Regulatory Review				
4. If applicable, alternatives for reducing environmental impact (attach additional sheets if needed): N/A				
5. Summary of basis for conclusions (attach additional sheets if needed): See Attached Regulatory Review				
6. Significant Adverse Environmental Impact Exists: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
7. References: (attach additional sheets if needed): See Attached Regulatory Review				
TOT. PGS	PREPARER	DATE	REVIEWER	DATE
9	D.K. Crawley	03/20/2006	R.D. Shaw	03/22 /2006

ENVIRONMENTAL REGULATORY REVIEW

ER: N/A

Date: 02/28/2006

Reviewer: D.K. Crawley

Activity: Geotechnical/geological investigation work

This review is required by the following: Grand Gulf COL

Site Activity Review Form Items:

N/A

50.59 Screening Items:

N/A

Air Operating Permit: N/A

The GGNS Air Operating Permit [Mississippi Permit No: 0420-00023] does not regulate or prescribe limitations and conditions for geotechnical/geologic investigations provided that permanent fuel burning engines are not installed to facilitate the activities. *[This implements the Clean Air Act regulations referenced in EN-EV-115; Section 2, Items 2 and 5(c).]*

National Pollution Discharge Elimination System Permit [NPDES]: N/A

This activity will not create any new or additional discharges or the addition of any chemicals requiring either a modification to the GGNS NPDES Permit or notification to the state permitting authority. The state permitting authority independently verified this – see GTC 2006/00007 and GTC 2006/00011. *[This implements the Clean Water Act regulations referenced in EN-EV-115; Section 2, Items 2 and 5(g).]*

Storm Water Permit/Plan: N/A

This activity does not initially involve any construction or land disturbance in excess of 1 acre and does not add a new source of industrial activity that would require either a Construction Notice of Intent or an amendment to the GGNS Storm Water Plan.

NOTE

When it is determined that land disturbances such as bulldozing, tree clearing, equipment storage, or other construction activities inclusive to this project have the potential to exceed 1 acre; construction work must be stopped prior to exceeding the 1 acre limitation until a Construction Permit is transmitted to the state permitting authority.

If this work continues to expand and reaches the potential to exceed 5 acres, construction work must be stopped prior to exceeding the 5 acre limitation until the site environmental lead determines whether the state permitting authority will impose any additional requirements, such as a revised Construction Permit and the submittal of a Construction Notice of Intent.

[This implements the Clean Water Act regulations referenced in EN-EV-115; Section 2, Items 2 and 5(f).]

Spill Pollution Control and Countermeasures Plan [SPCC]:

The GGNS SPCC Plan requires any container [including non-attended vehicle fuel tanks] with a capacity⁽²⁾ equal to or greater than 55 gallons to be properly stored and maintained. This means that containers for fuel, Hydraulic Fluid, Lubrication Oil, or any other oil must have containment sufficient to contain the volume of oil stored in the container plus 10% additional volume for freeboard.

GGNS expects that oil/fuel containers are properly stored and managed so there are no spills onto the ground or into surface waters. Use absorbent pads or similar materials to contain and absorb fuel or oil leaks from vehicles or other equipment. Leaks and spills, regardless of volume, must be reported and documented in accordance with GGNS Administrative Procedure, 01-S-12-20, "Hazardous Materials Emergency Response Plan".

Footnote (2):

Capacity means the volume of the container, not the amount of material it contains. For example, the GGNS SPCC Plan regulates a 55-gallon drum containing 30 gallons of oil. The GGNS SPCC Plan does not regulate a 35-gallon drum containing 30 gallons of oil.

NOTE

An oil or fuel spill in an amount sufficient to cause sheen upon surface waters [navigable waters] requires a notification to the U.S. Coast Guard National Response Center and subsequently state regulatory authorities. This is also a Nuclear Regulatory Commission reportable event. All efforts must be made to properly manage and prevent any oil or oil containing material from entering a navigable waterway [For the purposes of this document these include the storm drain system, sedimentation basins, streams, Mississippi River, barge slip, barrow pits, and Gin and Hamilton lakes].

[This implements the Clean Water Act regulations referenced in EN-EV-115; Section 2, Items 2 and 5(e).]

Endangered and threatened species:

Although endangered species have been identified in the proximity of the Grand Gulf Nuclear Station none have been documented in the vicinity of this activity and the implementation of protective management plans is not required. The sighting of an endangered species such as an eagle or a black bear must be immediately related to the site environmental lead. *[This implements the Endangered Species Act regulations referenced in EN-EV-115; Section 2, Items 2 and item 5(h).]*

National Historic Preservation Act:

The Grand Gulf Nuclear Station was originally evaluated by the Mississippi Department of Archives and History during the construction of the facility. This evaluation determined that operation of the station will not result in any impact on historic and archaeological sites in the area [Draft Environmental Statement, United States Regulatory Commission, May 1981, Page 5-7; Final Environmental Statement, United States Regulatory Commission, September 1981, Page 5-7].

NOTE

Work orders and procedures must include cultural resource specific written directions for excavation and backfill work which calls for an immediate stop-work order should archeological, historical, or other cultural resources be uncovered during excavation. The construction supervisor is responsible for ensuring work stoppage and for notifying the Environmental Lead* of an inadvertent discovery.

In the event of an inadvertent discovery the Environmental Lead* will determine the inadvertent discovery's significance and if necessary, notify the State Historic Preservation Officer to consult with them regarding the discovery to determine if an additional archeological assessment is needed.

*** Environmental Leads:**

Rusty Shaw 601-437-7312

John Lassetter 601-437-2115

[This implements the National Historic Preservation Act regulations referenced in EN-EV-115; Section 2, Item 2 and 5(h).]

Updated Final Safety Analysis Report [UFSAR]:

There are no environmental regulatory conditions or limitations requiring an amendment to any License Base Document including the GGNS UFSAR.

[This implements the Updated Final Safety Analysis Report requirements referenced in EN-EV-115; Section 2, Item 5 (d).]

Environmental Protection Plan [EPP]:

There are no environmental regulatory conditions or limitations requiring an amendment to the EPP or notification to the Nuclear Regulatory Commission for the placement of temporary ground water monitoring wells or geologic bore holes.

[This implements the Environmental Protection Plan requirements referenced in EN-EV-115; Section 2, Items 5 (b) and (h).]

Resource Conservation and Recovery Act [RCRA]:

There are no waste management issues unless the material brought to the surface are not inert or typical driller's mud used in the process of drilling boreholes, including various mud, sand, and/or water.

[This implements the Resource Conservation and Recovery Act regulations referenced in EN-EV-115; Section 2, Item 2.]

OTHER ITEMS OF CONCERN:

Chemical Control:

All chemicals must be approved by Site Chemical Control Coordinator (SCCC) **PRIOR** to bringing them on-site. Follow the requirements in Nuclear Management Manual; ENS-EV-112; "Chemical Control Program" for control of Contractor Chemicals.

[Reference: Administrative Procedure; ENS-EV-112; "Chemical Control Program"].

Chemical Management and Disposal:

The Project Manager and vendor(s) are responsible for the management of any chemicals brought on site. These must be managed and disposed of as directed by the SCCC when the chemicals are approved for use. Any expenses incurred by GGNS Chemistry for either the management and/or disposal of vendor chemicals will be charged to the Project. *[Reference: Administrative Procedure; ENS-EV-112; "Chemical Control Program"].*

Groundwater Withdrawal:

MDEQ does not require a monitoring well to be permitted provided that the diameter of the well is less than 6 inches and the driller retains MDEQ certification. Wells with a diameter equal to or greater than 6 inches will require a permit. All wells require the approval of the Environmental Compliance Coordinator before the work is initiated *[Reference: GTC 2006/00007]*.

Test Wells and Bore Holes:

Please note there are specific regulatory requirements for abandoning or decommissioning well and bore holes that penetrate water bearing strata greater than 25 feet in depth. All wells and boreholes that penetrate water bearing stratum with a depth of 25 feet or greater below land surface require decommissioning by an MDEQ licensed water well contractor. Those less than 25 feet in depth below the land surface do not require a licensed contractor but there are reporting requirements that apply regardless of who plugs the well or bore hole. We require that all drilling [regardless of depth] is performed by an MDEQ licensed contractor to assure these regulatory requirements are met.

[Reference: State Regulation LW-2, Chapter IV, Section G, Item 1].

Industrial Safety:

Any geological/geotechnical investigation work must comply with applicable Entergy fleet and GGNS site Industrial Safety procedures, requirements and expectations. Test pits and similar construction activities may involve obtaining Excavation Permits, Confined Space Permits, or otherwise require approval from the site Industrial Safety Coordinator* before work commences. In addition specific personnel safety and Personal Protective Equipment requirements must also be verified before work commences.

* GGNS Industrial Safety Coordinator: Joe Tarnabine 601-437-2179

GGNS Ball field Site:

This fenced area across the road and southwest of the Unit 1 Cooling Towers [designated as the 10.5 acre Batch Plant and the 12.2 acre Construction Laydown Site in Plan Options 2 and 4; Figures 2 and 4, respectively] are protected by an agreement with the Mississippi Department of Environmental Quality. As such, access to this area is restricted unless approved by the site environmental lead. *[Reference: CR number 1997-1274].*

Regulatory definitions:

Monitoring Well— a well used to obtain data on the quality of water in an aquifer system or at specified depths and locations related to a potential source of pollutant.

Observation Well--- a well used primarily for measuring the water level in an aquifer.

Test Well ---a well drilled to explore for groundwater for a water supply well.

References:

Regulatory References [EN-EV-115; Section 2, Item 1]:

- (a) 10CFR51.22, "Criterion for Categorical Exclusion; Identification of Licensing and Regulatory Actions Eligible for Categorical Exclusion or Other Wise not Requiring Environmental Review." Specifically 10CFR51.22(c)(9).
- (b) NUREG-0575, Final Generic Environmental Impact Statement on Handling and Storage of Spent Light Water Power Reactor Fuel, 1979
- (c) NUREG-1092, Environmental Assessment for 10 CFR Part 72 "Licensing Requirements for the Independent Storage of Spent Fuel and High-Level Radioactive Waste," 1984
- (d) NUREG-1437, Generic Environmental Statement for License Renewal of Nuclear Power Plants, Final Report, May 1996 (and Addendum's)

Environmental Protection Agency References [EN-EV-115; Section 2, Item 2]:a

- (a) Clean Air Act
- (b) Clean Water Act
- (c) Endangered Species Act (and amendments)
- (d) National Historic Preservation Act (and amendments)
- (e) Resource Conservation and Recovery Act

GGNS References [EN-EV-115; Section 2, Item 5]:

- (a) Baseline Stormwater General NPDES Permit Number MSR000883**
- (b) GGNS Environmental Protection Plan, Appendix B to Operating License NPF-29**
- (c) GGNS Synthetic Minor Operating Permit 0420-00023**
- (d) GGNS Updated Final Safety Analysis Report**
- (e) Grand Gulf Nuclear Station Spill Prevention Control and Countermeasure Plan**
- (f) Grand Gulf Nuclear Station Stormwater Pollution Prevention Plan**
- (g) NPDES Permit Number MS0029521**
- (h) NUREG-0777, GGNS Final Environmental Statement**

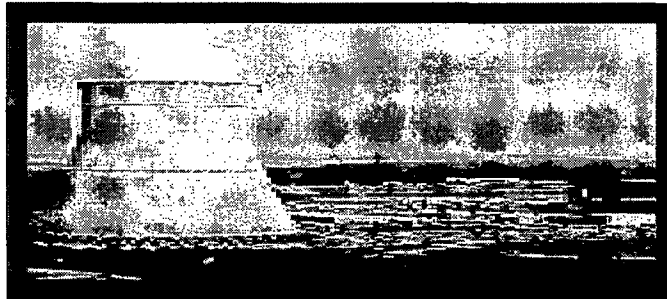
ATTACHMENT V

Large Construction Permit Requirements [Activities Disturbing Five (5) or More Acres]

RESERVED

Small Construction Stormwater Permit MSR15 & Stormwater Pollution Prevention Plan

**CONSTRUCTION
STORMWATER POLLUTION PREVENTION PLAN (SWP3)**



PROJECT DESCRIPTION:

Entergy Operations, Inc. Radial Water Well No. 6 Installation Project

**Grand Gulf Nuclear Station
Port Gibson, Claiborne County, Mississippi**

PREPARED FOR:



ENTERGY NUCLEAR

Entergy Nuclear
Post Office Box 756
Port Gibson, Mississippi 39150
Attention: Mr. Charles Shepphard
Office Phone: (601) 437-7312
Email: cshepph@entergy.com

ENERCON Project No. ENTGGG071


March 16, 2010

PREPARED BY:

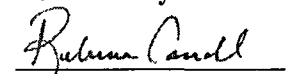


Enercon Services, Inc. (ENERCON)
5100 East Skelly Drive, Suite 450
Tulsa, Oklahoma 74135
Phone: (918) 665-7693
Fax: (918) 665-7232
Email jthomas@enercon.com

Compiled By:


Jeff R. Elbert
Senior Project Manager

Reviewed By:


Rebecca A. Carroll
Environmental Scientist

March 16, 2010

Mr. Charles Shepphard
Entergy Operations, Inc.
Post Office Box 756
Port Gibson, Mississippi 39150

ENERCON Project No. ENTGGG071

REF: Construction Stormwater Pollution Prevention Plan (SWP3) Prepared for the Entergy Operations, Inc. Radial Water Well No. 6 Installation Project located at the Grand Gulf Nuclear Station in Port Gibson, Claiborne County, Mississippi.

Dear Mr. Shepphard:

Enercon Services, Inc. (ENERCON) has completed the Construction SWP3 for the construction project referenced above. Please find enclosed copies of the Construction SWP3. Read the Construction SWP3 thoroughly and if you have any questions feel free to give me a call at (918) 665-7693 or email.

We appreciate the opportunity to be of service and look forward to working with you and the Entergy Nuclear again in the future.

Respectfully,
Enercon Services, Inc.



Jeff R. Elbert
Senior Project Manager
jelbert@enercon.com

Enclosure

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APPENDICES

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Appendix B	Site Figures
Appendix C	Erosion and Sediment Control Plan
Appendix D	MDEQ Stormwater Inspection Form & Completed Inspection Forms
Appendix E	Construction SWP3 Amendment Log Form
Appendix F	Employee Training Log Form & Completed Training Logs
Appendix G	MDEQ MSR15 Small Construction General Permit

FIGURES (Found In Appendix B)

Figure 1	Project Vicinity Map
Figure 2	Topographic Location Map

1.0 AUTHORIZED REPRESENTATIVE CERTIFICATION

I certify under penalty of law that this Construction Stormwater Pollution Prevention Plan (Construction SWP3) and all attachments were prepared for the Entergy Operations, Inc. Radial Water Well No. 6 Installation Project at the Grand Gulf Nuclear Station located in Port Gibson, Claiborne County, Mississippi under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated 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.

Authorized Representative (Print Name)

Authorized Representative (Signature)

Date

2.0 CONTRACTOR & SUBCONTRACTOR CERTIFICATION

Contractors, builders, regular suppliers and/or others (Contractors) involved in the Entergy Operations, Inc. Radial Water Well No. 6 Installation Project located at the Grand Gulf Nuclear Station in Port Gibson, Claiborne County, Mississippi, who are not the Owner/Operator must execute this Certification which places the responsibility of complying with and abiding by the intent and purpose of this Construction SWP3 with the Contractor/Subcontractor for any and all work performed under their authority and direction. Furthermore, the Contractor/Subcontractor assumes responsibility to avoid or eliminate any actual or potential adverse effects upon the environment according to this Construction SWP3, during all phases of building, construction, or delivery activity on any and all construction sites under the control and responsibility of the Contractor/Subcontractor as described in this Construction SWP3. The Contractor/Subcontractor must be thoroughly familiar with and adhere to, this Construction SWP3, the Best Management Practices (BMPs) available at the job site, and the MDEQ MSR15 Small Construction General Permit (issued January 3, 2008 and expires December 31, 2012).

Certification

I certify that I understand the terms and conditions of this Construction SWP3 for the Entergy Operations, Inc. Radial Water Well No. 6 Installation Project at the Grand Gulf Nuclear Station located in Port Gibson, Claiborne County, Mississippi. I agree that as a contractor, subcontractor, builder, regular supplier, or a support service company, I am responsible for installing and/or maintaining the appropriate pollution prevention measures that I am responsible for according to the agreement I have with the Owner/Operator and in accordance with MDEQ MSR15 Small Construction General Permit (issued January 3, 2008 and expires December 31, 2012).

Contractor/Subcontractor (Print Name)	(Signature)	(Date)
Contractor/Subcontractor (Print Name)	(Signature)	(Date)
Contractor/Subcontractor (Print Name)	(Signature)	(Date)
Contractor/Subcontractor (Print Name)	(Signature)	(Date)
Contractor/Subcontractor (Print Name)	(Signature)	(Date)
Contractor/Subcontractor (Print Name)	(Signature)	(Date)
Contractor/Subcontractor (Print Name)	(Signature)	(Date)

3.0 INTRODUCTION

Project Location: **Entergy Operations, Inc. Radial Water Well No. 6
Installation Project**

Grand Gulf Nuclear Station
Port Gibson, Claiborne County, Mississippi

Approximate coordinates at Radial Water Well No. 6 are
Latitude 32.022960 and Longitude -91.065797

**Primary
Project Contact:**

Mr. Charles Shepphard
Entergy Operations, Inc.
Post Office Box 756
Port Gibson, Mississippi 39150
Office Phone (601) 437-7312
Cell Phone (512) 769-6909
Email cshepph@entergy.com

This Construction SWP3 must be:

- Maintained on-site or at least locally available at all times until project completion.
- Made available to the Director of the Mississippi Department of Environmental Quality (MDEQ) and/or any State, Federal, or local agencies with approval or review authority.
- Amended anytime there is a change in design, construction, operation, or maintenance that has a significant effect on the discharge of pollutants and that has not been addressed in this Construction SWP3 or when inspections/investigations by site operators or regulators indicate a deficiency. Appendix E contains an amendment log form.

The required **MDEQ Small Construction Notice of Intent (SCNOI)** for stormwater discharges associated with construction activity under MDEQ MSR15 Small Construction General Permit (Issued January 3, 2008 and expires December 31, 2012) has been completed and signed for this project. Under these circumstances the Owner/Operator is authorized to discharge stormwater and/or allowable non-stormwater associated with this small construction activity under the terms and conditions of the MDEQ MSR15 Small Construction General Permit upon completion of the SCNOI and the development and implementation of this Construction SWP3. Appendix A of this Construction SWP3 contains a copy of the completed and signed SCNOI for this project.

3.1 Project Description

This construction project includes the installation of Radial Water Well No. 6 and ancillary buried piping, buried cable, and a staging/parking area at Grand Gulf Nuclear Station (GGNS) located in Port Gibson, Claiborne County, Mississippi. The total estimated area of disturbance is 208,416 square feet (~4.78 acres) and is broken down as follows:

- Work area (including cession and discharge piping to river) for installation of Radial Water Well No. 6: Approximately 175 feet x 300 feet in size (52,500 square feet). As a

note, this total square footage is inclusive of the 0.414 acres of wetlands or 18,034 square feet that will be managed under a Section 404 Permit.

- Staging/parking area: Approximately 135 feet x 150 feet in size (20,250 square feet). As a note, this area may not be created.
- Buried water pipeline to be installed: Approximately 2,643 feet in length with an estimated 53 feet width of disturbance (139,700 square feet).
- Buried cable to be installed: Approximately 1,400 linear feet with an estimated 10 feet width of disturbance (14,000 square feet).

Land disturbance associated with this construction project is limited primarily to drilling, excavation, and grading, with the primary source of stormwater pollution associated with the project being sedimentation. Sedimentation will be controlled with the use of stabilization methods and structural erosion controls.

Appendix B contains the site figures including; Figure 1 (Project Vicinity Map) and Figure 2 (Topographic Location Map).

3.2 SWP3 Submittal to MDEQ

In accordance with the MDEQ MSR15 Small Construction General Permit, ACT5, Part S-1 (1), the Construction SWP3 is only required to be kept at the permitted site or locally available unless a copy has been requested by the Executive Director of the MDEQ.

4.0 DETAILED SITE DESCRIPTION AND DRAINAGE

This construction project is expected to disturb an estimated 4.78 acres of land located northwest of the existing GGNS site. The area to be disturbed consists primarily of undeveloped woodlands and wetlands residing along the east bank of the Mississippi River. A large borrow pit exists on-site, east and north of the land to be disturbed.

The majority of stormwater runoff from the proposed Radial Water Well No. 6 work area flows via sheet flow toward the east across indigenous vegetative buffers and into the borrow pit located on-site. However, a small portion of the stormwater runoff from this area flows via sheet flow westward toward the Mississippi River. Stormwater runoff from the proposed staging/parking area flows via sheet flow generally toward the east in the direction of onsite wetland areas. Stormwater runoff from the buried pipeline to be installed flows via sheet flow primarily toward the onsite borrow pit; however some of the runoff along the southern end flows via sheet flow eastward in the direction of the onsite wetland areas. Stormwater runoff from the area to be disturbed for the buried cable to be installed is minimal.

Figure 2 (Topographic Location Map), included in Appendix B (Site Figures), shows the area's topography and drainage characteristics. Appendix C contains a copy of the Erosion and Sediment Control Plan.

4.1 Soil Types

The project is generally underlain by one type of soil series. According to information obtained from the Natural Resources Conservation Service (NRCS) and United States Department of Agriculture (USDA), the primary soil type in the area consists of the following:

- Bowdre, Tunica, and Crevasse soils, 1-3 percent slopes – Map code Bc

This soil type is located on all portions of the construction area within the Lower Mississippi - Natchez watershed. This is a clayey alluvium over loamy alluvium soil group that is more than eighty (80) inches thick, somewhat poorly to poorly drained, and has a low to high available water capacity (Crevasse – 4.5 inches to Bowdre – 10.6 inches). The ability of this soil type to transmit water is very low to very high (Tunica – 0.00 to 0.06 inches per hour to Crevasse – 6.00 to 20.00 inches per hour). The depth to water table for Bowdre is about 18 to 24 inches, for Tunica is 18 to 36 inches, and for Crevasse is 48 to 72 inches. The frequency of ponding is none while the frequency of flooding is frequent.

Due to the clayey alluvium surface layer these soils are expected to be moderately susceptible to erosion.

According to the NRCS Hydric Soils List (February 2010), Bowdre, Tunica, and Crevasse soil series is listed as a Hydric Soil in Claiborne County, Mississippi. The existing and planned runoff coefficient is unknown.

5.0 WATERSHED INFORMATION

5.1 Project Watershed

The project construction area is located within the Lower Mississippi - Natchez Watershed (08060100). In accordance with Section 303(d) of the Clean Water Act, the area watershed and nearby receiving water bodies have been evaluated in order to determine the presence or absence of impaired water bodies that do not meet water quality standards. However, only a small portion (extreme western portion of the Radial Well No. 6 proposed work area) actually drains to the drainage basin of the Mississippi River. The majority of runoff flows to the onsite borrow pit and a small portion of the pipeline corridor's southern end and the proposed staging/parking area flows to wetland areas onsite.

5.2 Water Quality Management Areas & Designated Uses

According to the MDEQ, the subject construction area is located in Basin Management Group III (Pearl River, South Independent Streams and Big Black River Basin). According to the State of Mississippi Water Quality Criteria for Intrastate, Interstate, and Coastal Waters, adopted by Mississippi Commission on Environmental Quality: August 23, 2007, the Mississippi River is classified for Fish and Wildlife use, but with the following additions to the criteria (applicable to the Project location); *Mineral Constituents: Not to exceed the following concentrations at any time:* (From Vicksburg south to the Mississippi-Louisiana border), Chlorides – 75 mg/l, Sulfates – 120 mg/l, and Total Dissolved Solids (TDS) – 400 mg/l. According to the State of Mississippi Water Quality Criteria for Intrastate, Interstate, and Coastal Waters, the location of the Mississippi River that this Project abuts does not have any other Designated Uses in State Waters (Section IV).

5.3 303(d) Listed Impaired Water Bodies, TMDLs, & Added Controls

The United States Environmental Protection Agency (USEPA) has approved Mississippi's 2008 303(d) list. According to the Mississippi 2008 Section 303(d) List of Impaired Water Bodies prepared pursuant to Section 303(d) of the Clean Water Act (approved July 24, 2008), the Lower Mississippi River is not included on the 303(d) list of impaired water bodies.

According to USEPA web based sources (<http://cfpub.epa.gov/surf/locate/index.cfm>), as of the date of this Construction SWP3 development, the only Total Maximum Daily Loads (TMDL's) approved were for pesticides (DDT) and toxaphene (established on January 4, 2007).

5.4 Outstanding Resource Waters

According to the MDEQ, Mississippi does not categorize water bodies as outstanding National Resource Waters at this time.

6.0 THREATENED & ENDANGERED SPECIES/WETLANDS

GGNS evaluated the impacts of Extended Power Uprate (EPU), including the radial well project, and determined that although threatened and endangered species have been identified in the proximity of GGNS, none have been documented on the site property and the implementation of protective management plans is not required due to EPU activities.

6.1 USACE Section 404 Permit

Since wetlands exist onsite and will receive stormwater runoff from this construction project, a United States Army Corps of Engineers' Section 404 Permit must be obtained in order to qualify for coverage under this MDEQ MSR15 Small Construction General Permit. GGNS is in the process of obtaining the necessary Section 404 Permit to cover affected wetland areas (0.414 acres).

7.0 HISTORIC PRESERVATION

GGNS has evaluated the affects of EPU, including the radial well project, and determined that no cultural resources would be affected. This assessment will be included in the GGNS EPU application submittal to the Nuclear Regulatory Commission.

However as a precautionary measure, it is recommended that work orders include cultural resource specific written directions for excavation and backfill work which calls for an immediate stop-work order should archeological, historical, or other cultural resources be uncovered during excavation. The construction supervisor is responsible for ensuring work stoppage and for notifying the GGNS Environmental Lead of an inadvertent discovery.

8.0 BEST MANAGEMENT PRACTICES

The Erosion and Sediment Control Plan included in Appendix C of this Construction SWP3 is required to be implemented during this project.

8.1 Excavation

The following measures are required to be implemented during excavation activities:

- Excavated soils will be stockpiled along the upslope side to divert upslope water around disturbed areas.
- Sensitive areas such as steep/unstable side slopes, drainage channels, etc. will be handled with special care to prevent erosion.
- Silt fences will be installed along the inland side of the pipeline corridor and proposed staging/parking area and along all sides of the Radial Well No. 6 proposed work area in order to protect adjacent wetlands onsite, the borrow pit onsite, and the Mississippi River to the west.

8.2 Road Entrances

The road entrance is to be installed prior to any land disturbance activities and the following measures implemented:

- Road entrance located south of the proposed staging/parking area must be properly stabilized.
- Excess material tracked onto public streets must be removed as necessary.
- Dump trucks hauling material to and from the site should be covered with tarpaulins.
- For the remainder of the project roads, drainage culverts must be used where needed and roads stabilized with gravel/shale to prevent the tracking of mud onsite and offsite (as necessary).

8.3 Access Roads & Parking Areas

Access roads and parking areas must be stabilized with gravel/shale (as necessary) to control the tracking of mud onsite and offsite, prevent distress to the vegetation, and reduce significant dirt paths/ruts that could lead to erosion. The generation of dust must be minimized with the application of water (no additives) for dust suppression, if necessary.

8.4 Road & Creek/River Crossing

The following measures are to be implemented for activities associated with road and creek/river crossings:

- Stream bank stabilization will be performed, when necessary.

- The need for heavy construction equipment crossings will be kept to a minimum.
- When necessary, a temporary bridge or culvert will be installed.
- Direct (unassisted) crossing of streams will be kept to an absolute minimum.

8.5 Construction Equipment Maintenance

The following measures are to be implemented for construction equipment maintenance activities should they occur in the project area:

- Perform maintenance activities in areas isolated from significant stormwater run-on and runoff.
- Collect, transport, and dispose/recycle all maintenance fluids in accordance with applicable regulatory requirements.
- Remove any soil staining resulting from spillage or seepage of maintenance fluids immediately and manage in accordance with applicable regulatory requirements.
- Any maintenance fluids stored inside containers of 55-gallons or greater must be equipped with secondary containment capable of holding a minimum of 110% of the largest container capacity (plus precipitation).
- Construction equipment and bulk storage containers staged/stored within flood prone areas must be removed prior to flooding events.
- Discharge of precipitation from secondary containment systems must be monitored for visible sheen and, if such sheen exists, the contained water shall not be discharged.
- Precipitation with a sheen inside a secondary containment system must be collected and disposed offsite in accordance with applicable local, State, and Federal regulatory standards.

8.6 Housekeeping Practices & Sanitary Facilities

The following measures are to be implemented at the project area as it relates to housekeeping practices and sanitary facilities:

- All construction debris must be picked up on a daily basis.
- If any sediment escapes the project site, it must be cleaned up within 24 - 48 hours or prior to a rain event.
- Any fuel storage tanks, bulk oil/equipment fluids, or chemical products brought on-site in containers 55-gallons or greater must be equipped with secondary containment capable of holding a minimum of 110% of the largest container (plus precipitation).
- All waste materials must be collected, stored in a securely lidded container, and properly disposed off-site.

- All hazardous materials must be disposed in the manner specified by local and/or State regulation or by the manufacturer.
- All sanitary waste must be collected inside portable toilets that are serviced as needed for proper offsite disposal. In addition, the portable toilets, fuel storage tanks, and temporary storage areas for other materials/waste staged/stored within flood prone areas must be removed prior to flooding events.
- No solid materials, including building materials will be discharged.

8.7 Critical Area BMP's

As an added precaution to protect any potential wetlands, if impacted water is produced in association with construction, testing activities or ancillary structures, the water will be controlled on-site and/or disposed off-site, if necessary in order to prevent associated runoff. These control measures include the following:

- If discharged, the water will be filtered to remove sediment by passing through hay/straw bales, silt fence, or rip/rap.
- Silt fences will be used to control erosion and potential siltation within the creek/river corridors and lowland areas.
- No bulk liquids or equipment will be stored within the lowland areas.

8.8 Vegetative Stabilization Measures

The following vegetative stabilization measures are to be implemented for the appropriate project areas:

- Existing vegetation will be preserved where possible (especially trees).
- Efforts will be made to maintain indigenous vegetative buffers around the disturbed areas.
- When a disturbed area will be left undisturbed for thirty (30) days or more, the appropriate temporary or permanent vegetative practices shall be implemented within seven (7) calendar days.
- In accordance with the Mississippi SWP3 Guidance Manual For Construction Activities (Seeding Chart for The State of Mississippi), temporary seed shall include fast-growing annual grasses such as Wheat and/or Ryegrass.
- The application rate for Wheat will be a minimum of ninety (90) pounds per acre, and the application rate for Ryegrass will be a minimum of thirty (30) pounds per acre.
- Upon project completion, permanent seeding will be conducted for long-term vegetation support and re-establishment. Permanent seed mix shall consist of a minimum of fifteen (15) pounds per acre of Common Bermuda. After placement of temporary and/or permanent seed, each area shall be mulched with straw, as necessary.

8.9 Structural Erosion Controls

Structural erosion controls to be utilized during this project will include silt fences and construction entrances, as shown on the Erosion and Sediment Control Plan in Appendix C of this SWP3. The type of additional erosion controls utilized in each area will be evaluated based upon practicality, cost, and efficiency.

All of the necessary structural erosion controls will be installed and maintained throughout the duration of the entire project. In the event sediment escapes the site, offsite accumulations of sediment will be removed within 24-48 hours or prior to a rain event in order to minimize offsite impact.

9.0 PROJECT INSPECTIONS

In accordance with the MDEQ MSR15 Small Construction General Permit, ACT6, Part S-2 qualified personnel will inspect all of the disturbed areas and erosion controls based upon the following criteria:

- Inspections will be performed at least weekly for a minimum of four (4) inspections per month.
- Inspections will be performed as is necessary to ensure that appropriate erosion and sediment controls have been properly constructed and maintained and to determine if additional or alternative control measures are required. The MDEQ strongly suggests a “walk through” of the construction site prior to anticipated storm events.

Appendix D contains a copy of the MDEQ Stormwater Inspection Form to be used. A copy of the completed inspection forms may also be kept in Appendix D.

10.0 NON-STORMWATER DISCHARGES

In accordance with the MDEQ MSR15 Small Construction General Permit, the following are allowable non-stormwater discharges:

- Waters used to wash vehicles where detergents are not used,
- Water used to control dust,
- Potable water sources including water line flushings,
- Routine external building wash down that does not use detergents,
- Uncontaminated groundwater or spring water,
- Foundation or footing drains where flows are not contaminated with process materials such as solvents,
- Uncontaminated excavation dewatering,
- Landscape irrigation.

Anticipated non-stormwater discharges for this construction project include water from uncontaminated groundwater, excavation dewatering, and possibly equipment wash water. All non-stormwater discharges will be kept to a minimum and equipment wash water will be either contained for evaporation or collected for proper off-site disposal. As applicable, all excavation dewatering activities conducted onsite will be filtered with straw/hay bales, filter cloth, or rip rap (if necessary) during discharge to remove sediment.

11.0 RELEASE/NONCOMPLIANCE REPORTING & RESPONSE PLAN

In accordance with MDEQ MSR15 Small Construction General Permit, ACT6, Part S-5, releases into the environment of hazardous substances, oil, and pollutants or contaminants, which pose a threat to applicable water quality standards or causes a film, sheen, or discoloration of State waters, must be reported to the following:

- Mississippi Emergency Management Agency (MEMA)
(601) 933-6362
(800) 222-6362

Initial spill response will be provided by properly trained and qualified site personnel with the use of booms, absorbents, and site soils. Booms and absorbents will be kept readily available on-site and earthen berms will be constructed with site soils. The first order of response will be the protection of drainage ways and outfalls. In the event of a large spill or release, initial response will be conducted with site personnel to contain the spill or release until an emergency response company can be summoned and arrives onsite.

12.0 NOTICE OF TERMINATION & RECORDS

In accordance with the MDEQ MSR15 Small Construction General Permit, ACT9, Part S-1, if a SCNOI was not requested by the Permit Board then upon successful completion of the project (including installation of all permanent erosion and sediment controls) then GGNS must only record the date of completion on the final inspection report.

However, if a SCNOI was requested by the Permit Board then upon successful completion, GGNS must provide a written notification to the MDEQ. Permit requirements remain in effect until such time the coverage recipient receives written notice of coverage termination from the MDEQ.

In accordance with MDEQ MSR15 Small Construction General Permit, ACT8, Part R-1, information resulting from construction activities must be kept for a minimum period of three (3) years from the date construction was completed.

13.0 EMPLOYEE TRAINING

All employees working onsite must be familiar with this Construction SWP3. Initial review of this Construction SWP3 must be conducted and refresher training should be conducted, as necessary. Employees responsible for conducting inspections and/or implementing BMP's must receive additional training to ensure they are adequately qualified. Furthermore, training must be conducted anytime there is a modification made to this Construction SWP3. Appendix F contains a copy of the employee training log form and completed training logs.

14.0 REGULATIONS

Refer to Appendix G of this Construction SWP3 for a copy of the MDEQ MSR15 Small Construction General Permit.

APPENDIX A
(Completed & Signed SCNOI)

Submit only upon request from MDEQ



SMALL CONSTRUCTION NOTICE OF INTENT (SCNOI)

GENERAL NPDES PERMIT MSR15 _____ (Number to be assigned by MDEQ if submitted)

Prior to the commencement of small construction activity (see Small Construction General Permit ACT11, T-17), the owner or operator of a small construction project must complete this form and develop a Storm Water Pollution Prevention Plan (SWPPP) as required by ACT5 of Mississippi's Small Construction General Permit. **This SCNOI and SWPPP shall be submitted to the Mississippi Department of Environmental Quality (MDEQ) only upon request from MDEQ; however, the SCNOI and SWPPP must be maintained at the permitted site or locally available in case inspector review is necessary.** Attachments with this SCNOI must include: a USGS quad map or copy showing site location (only if required to be submitted to MDEQ) and a Storm Water Pollution Prevention Plan (SWPPP). All questions must be answered answer "NA" if the question is not applicable.

PROJECT INFORMATION

OWNER CONTACT PERSON:

Mr. Charles Shepphard

OWNER COMPANY NAME:

Entergy Operations, Inc.

OWNER STREET (P.O. BOX):

Post Office Box 756

OWNER CITY:

Port Gibson

STATE: Mississippi ZIP: 39150

OWNER PHONE # (INCLUDE AREA CODE):
(601) 437-7312

OPERATOR (if different from owner) CONTACT PERSON:**OPERATOR COMPANY:****OPERATOR STREET (P.O. BOX):****OPERATOR CITY:**

STATE: ZIP:

OPERATOR PHONE # (INCLUDE AREA CODE):

PROJECT NAME: Entergy Operations, Inc. Radial Water Well No. 6

DESCRIPTION OF CONSTRUCTION ACTIVITY: Installation of Radial Water Well No. 6 & Associated Piping /Cable

ACREAGE DISTURBED (to be covered by this permit, area must be less than five (5) acres): ~4.78 Acres

PHYSICAL SITE ADDRESS (If not available, indicate the nearest named road. For linear projects, indicate the beginning of the project and identify all counties the project traverses.):

STREET: Cable: Beginning at 32.0187167/-91.063581 and extending ENE to 32.018887/-91.066735. Pipeline: Beginning at 32.018321/-91.063877 and extending roughly NNE to Radial Water Well No. 6 at 32.022960/-91.065797. Staging/Parking Area: centered at 32.019593/-91.063784.

CITY: Port Gibson **COUNTY:** Claiborne **ZIP:** 39150

NEAREST NAMED RECEIVING STREAM: Mississippi River

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated 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.

Signature:

Date Signed

Printed Name

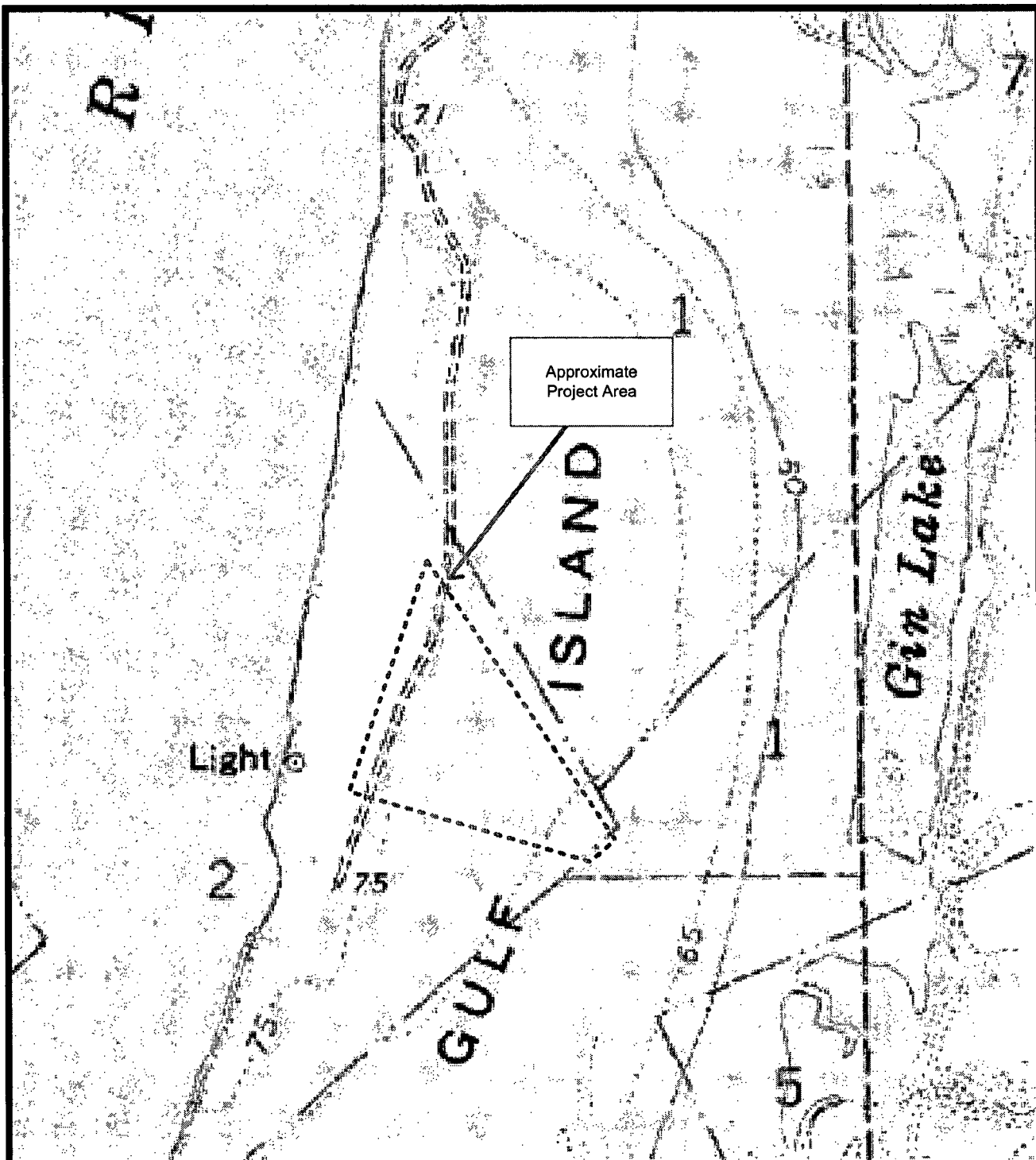
Title

¹This application shall be signed according to the Small Construction General Permit, ACT10, T-4.

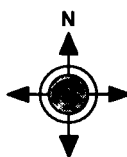
If requested, please submit this form to:

Chief, Environmental Permits Division
MDEQ, Office of Pollution Control
P.O. Box 2261
Jackson, Mississippi 39225

APPENDIX B
(Site Figures)



Entergy Operations, Inc.
Radial Water Well No. 6
Installation Project
Port Gibson, Claiborne County, Mississippi



Scale: |————| = 800 Ft.

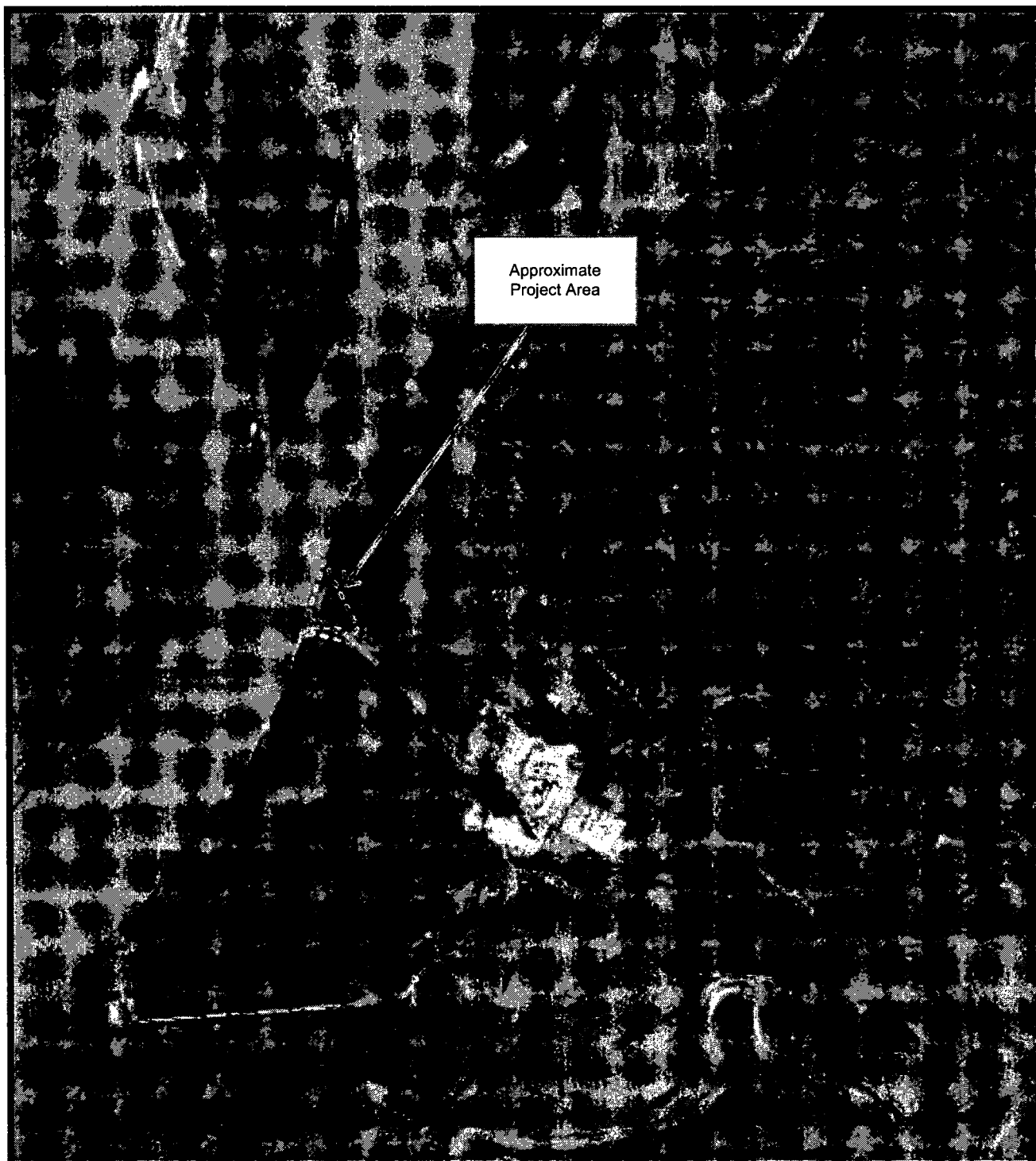


ENERCON

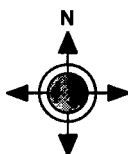
Topographic Map

PROJECT NO: ENTGGG071

03-05-2010



**Entergy Operations, Inc.
Radial Water Well No. 6
Installation Project
Port Gibson, Claiborne County, Mississippi**



Scale: ———— = 0.3 Miles



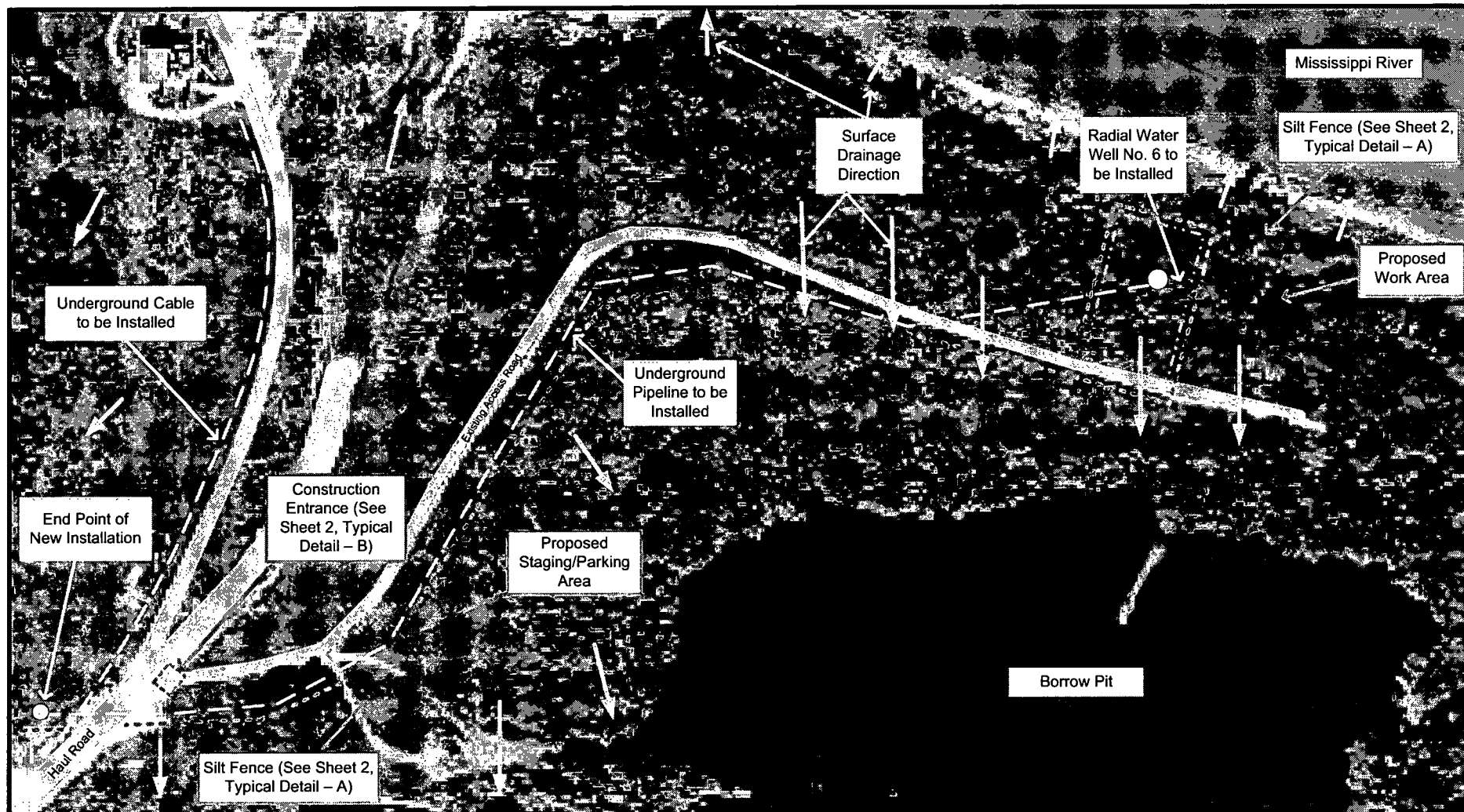
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Vicinity Map

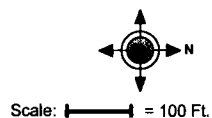
PROJECT NO: ENTGGG071

03-05-2010

APPENDIX C
(Erosion and Sediment Control Plan)



Entergy Operations, Inc.
 Radial Water Well No. 6
 Installation Project
 Port Gibson, Claiborne County, Mississippi



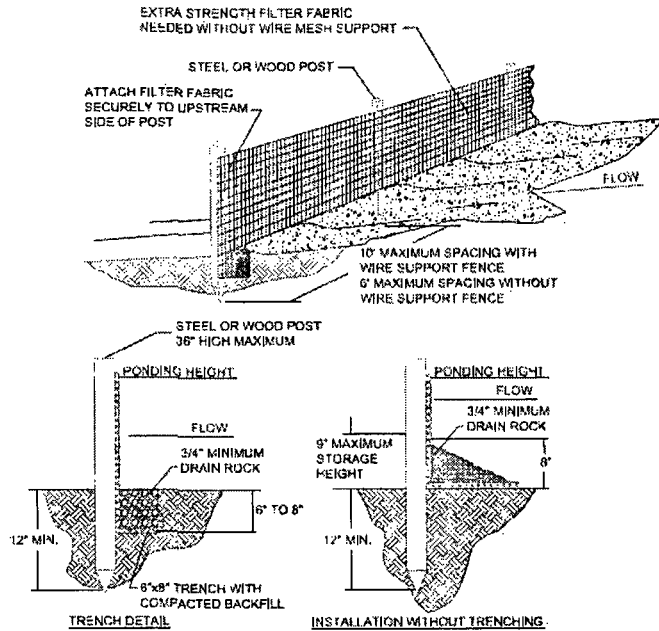
Site Map and Erosion/Sediment Control Plan, Sheet 1 of 2

PROJECT NO: ENTGGG071

03-05-2010

DETAIL-A

TYPICAL SILT FENCE DETAIL

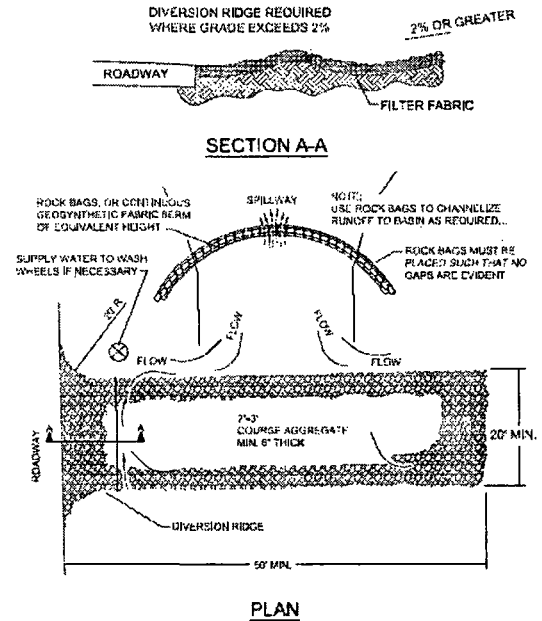


NOTES:

1. SILT FENCE AND HAY BALE BARRIER MUST BE INSTALLED PROPERLY TO AVOID NOTICE OF VIOLATION.
2. SILT FENCE AND HAY BALE BARRIER SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE EFFICIENCY.
3. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY, 9" MAXIMUM RECOMMENDED STORAGE HEIGHT.
4. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE TO SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.
5. HAY BALE BARRIER TO BE PLACED IN A ROW WITH THE ENDS TIGHTLY ADJUTING.
6. KEY IN HAY BALE BARRIER TO PREVENT EROSION OR FLOW UNDER BALES.

DETAIL-B

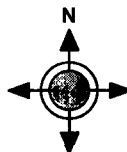
TYPICAL CONSTRUCTION ENTRANCE



NOTES:

1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.
4. ROCK BAGS OR SANDBAGS SHALL BE PLACED SUCH THAT NO GAPS ARE EVIDENT.

Entergy Operations, Inc.
Radial Water Well No. 6
Installation Project
Port Gibson, Claiborne County, Mississippi



Not to scale



ENERCON

Site Map and Erosion/Sediment Control
Plan, Sheet 2 of 2

PROJECT NO: ENTGGG071

03-05-2010

APPENDIX D
(MDEQ Stormwater Inspection Form & Completed Inspection Forms)

INSPECTION AND CERTIFICATION FORM SMALL CONSTRUCTION GENERAL PERMIT



COVERAGE NUMBER, if SCNOI was submitted to MDEQ (MSR15 _____)

Results of the inspections required by ACT6, S-4 of this permit shall be recorded on this report form and kept with the SWPPP in accordance with the inspection documentation provisions of ACT8, R-2 of the this permit. Inspections shall be performed at least weekly for a minimum of four inspections per month.

The coverage number must be listed at the top of all Inspection and Certification Forms, if the Small Construction Notice of Intent (SCNOI) was submitted to MDEQ (no coverage number is issued if SCNOI was not submitted to MDEQ).

COVERAGE RECIPIENT INFORMATION

OPERATOR COMPANY NAME: _____

PROJECT NAME: _____ STARTUP DATE: _____

PROJECT STREET ADDRESS: _____

PROJECT CITY: _____ PROJECT COUNTY: _____

OPERATOR MAILING ADDRESS: _____

MAILING CITY: _____ STATE: _____ ZIP: _____

CONTACT PERSON: _____ CONTACT PHONE NUMBER: _____

INSPECTION DOCUMENTATION

DATE (mo/day/yr)	TIME (hr:min AM/PM)	ANY DEFICIENCIES? (CHECK IF YES)	INSPECTOR(S)
		<input type="checkbox"/>	
		<input type="checkbox"/>	
		<input type="checkbox"/>	
		<input type="checkbox"/>	
		<input type="checkbox"/>	
		<input type="checkbox"/>	

Deficiencies Noted During any Inspection (give date(s); attach additional sheets if necessary): _____

Corrective Action Taken or Planned (give date(s); attach additional sheets if necessary): _____

Based upon this inspection which I or personnel under my direct supervision conducted, I certify that all erosion and sediment controls have been implemented and maintained, except for those deficiencies noted above, in accordance with the Storm Water Pollution Prevention Plan and sound engineering practices as required by the above referenced permit. I further certify that the SCNOI and SWPPP information is up to date.

I certify under penalty of law that this document and all attachments were prepared under my 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 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 fines and imprisonment for knowing violations.

Authorized Signature

Date

Printed Name

Title

If requested, please submit this form to: Chief, Environmental Compliance and Enforcement Division
MDEQ, Office of Pollution Control
P.O. Box 2261
Jackson, Mississippi 39225

APPENDIX E
(Construction SWP3 Amendment Log Form)



Grand Gulf Nuclear Station
Port Gibson, Claiborne County, Mississippi

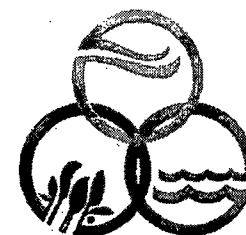
[illegible]

APPENDIX F
(Employee Training Log Form & Completed Training Logs)

APPENDIX G
(MDEQ MSR15 Small Construction General Permit)



State of Mississippi
Mississippi Department of Environmental Quality (MDEQ)
Office of Pollution Control (OPC)



SMALL CONSTRUCTION GENERAL PERMIT

FOR LAND DISTURBING ACTIVITIES OF ONE (1) TO LESS THAN FIVE (5) ACRES

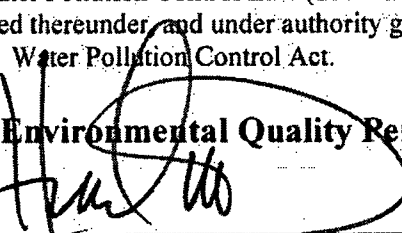
TO DISCHARGE STORM WATER FROM REGULATED CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH THE NATIONAL
POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

THIS CERTIFIES THAT

FACILITIES OR PROJECTS ISSUED A CERTIFICATE OF PERMIT COVERAGE UNDER THIS PERMIT ARE GRANTED
PERMISSION TO DISCHARGE STORM WATER FROM REGULATED CONSTRUCTION ACTIVITIES INTO STATE WATERS

in accordance with effluent limitations, inspection requirements and other conditions set forth in herein. 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



Authorized Signature

Mississippi Department of Environmental Quality

Issued: January 3, 2008

Permit No. MSR15

Expires: December 31, 2012

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Small Construction General Permit
Subject Item Inventory

Subject Item Inventory:

ID	Designation	Description
ACT1	Small Construction	Introduction
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ACT3	Small Construction	Obtaining Coverage
ACT4	Small Construction	Small Construction Notice of Intent
ACT5	Small Construction	Storm Water Pollution Prevention Plan (SWPPP) Development and Content
ACT6	Small Construction	Implementation, Inspection and Reporting Requirements
ACT7	Small Construction	Limitation Requirements
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ACT10	Small Construction	Standard Requirements Applicable to All Water Permits
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AI35524		

KEY

ACT = Activity

*** Official MDEQ Permit ***

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Small Construction General Permit
Facility Requirements

Page 1 of 30

ACT1 (Small Construction) Introduction:

Narrative Requirements:

Condition No.	Condition
T-1	<p>INTRODUCTION:</p> <p>The Small Construction General Permit (SCGP) authorizes storm water discharges from construction activities disturbing one (1) acre to less than five (5) acres, or less than one acre if part of a "larger common plan of development or sale," where the total acreage is based on cumulative planned disturbance (see Definitions). Construction activities that disturb five acres or greater are regulated under the Large Construction General Permit.</p> <p>Storm water discharges that enter state waters or storm water conveyance systems leading to state waters are subject to regulation and compliance with the conditions set forth in this permit. This permit also authorizes storm water discharges from any other construction activity designated by the Executive Director based on the potential for contribution to an excursion of a water quality standard or for significant contribution of pollutants to state waters. Upon issuance by the Permit Board on Environmental Quality, this permit will replace the previous Small Construction General Permit.</p> <p>Small construction activity does not include routine maintenance that is performed to maintain the original line and grade, hydraulic capacity, and original purpose of the facility (for example, existing ditches, channels, or other similar storm water conveyances, as well as routine grading of existing dirt roads, asphalt overlays of existing roads, and other similar maintenance activities). [WPC-1]</p>

Small Construction General Permit
Facility Requirements

Page 2 of 30

ACT2 (Small Construction) Permit Applicability and Coverage:

Narrative Requirements:

Condition No.	Condition
T-1	<p>PERMIT AREA:</p> <p>The Small Construction General Permit covers all areas of the State of Mississippi. [WPC-1]</p>
T-2	<p>COVERED DISCHARGES:</p> <p>(1) Discharges composed entirely of storm water and allowable non-storm water identified in T-4 of this ACT from small construction activities including clearing, grading, excavating and other land disturbing activities equal to or greater than one (1) acre and less than five (5) acres. These discharges are automatically designated as small construction activities under the National Pollutant Discharge Elimination System (NPDES) storm water program and are automatically covered under this permit. Small construction activities disturbing less than one (1) acre are designated if:</p> <ul style="list-style-type: none">- The project is part of a larger common plan of development or sale with a cumulative planned disturbance of equal to or greater than one (1) acre and less than five (5) acres (for example, individual or commercial lots that are part of a subdivision or a commercial development that initially impacts less than one (1) acre but will ultimately exceed the one (1) acre threshold, or- The Executive Director of the Mississippi Department of Environmental Quality (MDEQ) designates the construction activity based on the potential for contribution to a violation of a water quality standard or for significant contribution of pollutants to waters of the State. [WPC-1]
T-3	<p>(2) A project is eligible for coverage under this general permit for discharges of pollutants of concern to water bodies for which there is a total maximum daily load (TMDL) established or approved by EPA if measures and controls are incorporated that are consistent with the assumptions and requirements of such TMDL. To be eligible for coverage under this general permit, the facility must incorporate any conditions applicable to any discharge(s) necessary for consistency with the assumptions and requirements of such TMDL. If, after coverage issuance, a specific wasteload allocation is established that would apply to the facility's discharge, the facility must implement steps necessary to meet that allocation. [WPC-1]</p>

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ACT2 (continued):

Narrative Requirements:

Condition No.	Condition
T-4	<p>ALLOWABLE NON-STORM WATER DISCHARGES:</p> <p>Owner or operators are authorized for the following non-storm water discharges. Except for flows from fire fighting activities, sources of non-storm water below that are combined with storm water discharges associated with construction activity must be identified in the Storm Water Pollution Prevention Plan (SWPPP). The SWPPP must identify and ensure the implementation of appropriate pollution prevention measures for the non-storm water component(s) of the discharge.</p> <p>Discharges from fire-fighting activities Fire hydrant flushings Waters used to wash vehicles where detergents are not used Water used to control dust Potable water sources including water line flushings Routine external building wash down that does not use detergents Pavement wash waters where spills or leaks of toxic or hazardous materials have not occurred (unless totally removed) and where detergents are not used Uncontaminated air conditioning or compressor condensate Uncontaminated ground water or spring water Foundation or footing drains where flows are not contaminated with process materials such as solvents Uncontaminated excavation dewatering Landscape irrigation. [WPC-1]</p>

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ACT2 (continued):

Narrative Requirements:

Condition No.	Condition
T-5	<p>THIS PERMIT DOES NOT AUTHORIZE:</p> <p>(1) Discharges of hazardous substances or oil resulting from an on-site spill.</p> <p>(2) Discharges that originate from the site after construction activities have been completed and the site has undergone final stabilization.</p> <p>(3) Discharges associated with construction activity that disturb five (5) or more acres or that have been covered under an individual permit in accordance with ACT3, S-2 of this permit.</p> <p>(4) Discharges from construction sites that the Executive Director determines will cause, or have reasonable potential to cause or contribute to, violations of water quality standards. Where such determinations have been made, the Mississippi Environmental Quality Permit Board (Permit Board) may notify the owner or operator that an individual permit application is necessary in accordance with ACT3, S-2 of this permit. However, the Permit Board may authorize coverage under this permit after appropriate controls and implementation procedures, designed to bring the discharges into compliance with water quality standards, have been included in the Storm Water Pollution Prevention Plan.</p> <p>(5) Discharges to impaired receiving waters, unless the SWPPP specifically identifies Best Management Practices (BMPs) which ensure storm water will not cause or contribute to non-attainment of a water quality standard. In cases where the Permit Board becomes aware of potential impairment due to small construction activities, the Permit Board may require the submittal of the SWPPP in order to ascertain whether the selected BMPs are sufficient to comply with requirements of this permit or any other requirements of the Permit Board. The list of impaired receiving waters may be found on the MDEQ web site at www.deq.state.ms.us or by calling 601-961-5171. [WPC-1]</p>
T-6	<p>(6) Discharges that are likely to jeopardize the continued existence of any species that is listed as endangered or threatened under the Environmental Species Act (ESA) or result in the adverse modification or destruction of habitat that is designated under ESA</p> <p>(7) Construction activities that will affect state waters, including wetlands, without obtaining the necessary U.S. Army Corps of Engineers' (COE) individual Section 404 permit or coverage under a COE nationwide or general permit. If a Small Construction Notice of Intent (SCNOI) is requested by the Permit Board, appropriate COE documentation must be included. [WPC-1]</p>

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ACT3 (Small Construction) Obtaining Coverage:

Submittal/Action Requirements:

Condition No.	Condition
S-1	<p>HOW TO OBTAIN AUTHORIZATION:</p> <p>(1) If a Small Construction Notice of Intent (SCNOI) has not been requested by the Permit Board (SCNOI not submitted to MDEQ).</p> <p>Owners or operators are authorized to discharge storm water or allowable non-storm water associated with small construction activity under the terms and conditions of this permit upon commencement of small construction land disturbing activities (i.e., Construction may begin after the completion of the SCNOI and the development and implementation of the required Storm Water Pollution Prevention Plan (SWPPP)).</p> <p>(2) If a Small Construction Notice of Intent (SCNOI) has been requested by the Permit Board (SCNOI submitted to MDEQ).</p> <p>Owners or operators are authorized to discharge storm water or allowable non-storm water only after staff review and receipt of written notification of approval of coverage by the Permit Board Staff. [WPC-1]</p>
S-2	<p>REQUIRING AN INDIVIDUAL PERMIT:</p> <p>Upon receipt of a SCNOI, the Permit Board may require an alternate permit. The Permit Board may require any owner or operator of land disturbing activities of equal to or greater than one (1) acre and less than five (5) acres to apply for and obtain an individual NPDES permit. Any interested person may petition the Permit Board to take action under this paragraph. The Permit Board may require any small construction owner or operator to apply for an individual NPDES permit only if the owner or operator has been notified in writing. This notice shall include reasons for this decision, an application form and a filing deadline. The Permit Board may grant additional time upon request. [WPC-1]</p>

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ACT4 (Small Construction) Small Construction Notice of Intent:

Submittal/Action Requirements:

Condition No.	Condition
S-1	<p>SMALL CONSTRUCTION NOTICE OF INTENT (SCNOI):</p> <p>Prior to the commencement of small construction activity, the owner or operator must complete a Small Construction Notice of Intent (SCNOI) provided at the end of this permit. The SCNOI and SWPPP described in ACT5 shall be submitted to the Mississippi Department of Environmental Quality (MDEQ) only upon request from MDEQ. However, the SCNOI and SWPPP must be maintained at the permitted site or locally available in case inspector review is necessary. Failure to complete a SCNOI prior to the commencement of construction activity or to submit a SCNOI when requested is a violation of State regulations. The SCNOI shall be retained by the owner or operator as required by ACT8, R-1 of this permit. Attachments to the SCNOI must include: a Storm Water Pollution Prevention Plan (SWPPP) and a U.S. Geological Survey quadrangle map or copy (only if required to be submitted to MDEQ) showing site location.</p> <p>The owner(s) of the property and the operator(s) associated with the regulated construction activity on the property have joint and severable responsibility for compliance with the permit. Notwithstanding any permit condition to the contrary, the coverage recipient and any person who causes pollution of waters of the state or places waste in a location where they are likely to cause pollution, shall remain responsible under applicable federal and state laws and regulations, and applicable permits.</p> <p>The SCNOI shall be signed in accordance with the provisions of ACT10, T-4 of this permit. [WPC-1]</p>

Narrative Requirements:

Condition No.	Condition
T-1	<p>WHERE TO SUBMIT THE SMALL CONSTRUCTION NOTICE OF INTENT (SCNOI), IF REQUESTED:</p> <p>If requested, complete and appropriately signed SCNOI forms must be submitted to:</p> <p>Chief, Environmental Permits Division MS Dept of Environmental Quality, Office of Pollution Control P.O. Box 10385 Jackson, Mississippi 39289-0385. [WPC-1]</p>

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ACT5 (Small Construction) Storm Water Pollution Prevention Plan (SWPPP) Development and Content:

Submittal/Action Requirements:

Condition No.	Condition
S-1	<p>SWPPP DEVELOPMENT:</p> <p>A SWPPP shall be developed and implemented by the owner or operator of a small construction project. Failure to develop a SWPPP prior to commencement of construction activity or to submit a SWPPP when requested is a violation of State regulations. The SWPPP must include a description of appropriate control measures (i.e., BMPs) that will be implemented as part of the construction activity to control pollutants in storm water discharges.</p> <p>(1) The SWPPP shall be retained at the permitted site or locally available. A copy of the SWPPP must be made available to the MDEQ inspectors for review at the time of an on-site inspection.</p> <p>(2) BMPs shall be in place upon commencement of construction.</p> <p>(3) The Executive Director of MDEQ may notify the owner or operator at any time that the SWPPP does not meet the minimum requirements of this permit. After notification, the owner or operator shall amend the SWPPP, implement the changes and certify in writing to the Executive Director that the requested changes have been made. Unless otherwise provided by the Executive Director, the requested changes shall be made within 15 days.</p> <p>(4) The owner or operator shall amend the SWPPP and implement the changes before there is a change in construction, operation, or maintenance, which may potentially effect the discharge of pollutants to State waters.</p> <p>(5) The owner or operator shall amend the SWPPP and implement the changes if the SWPPP proves to be ineffective in controlling storm water pollutants including, but not limited to, significant sediment leaving the site and non-functioning BMPs. [WPC-1]</p>

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ACT5 (continued):

Narrative Requirements:

Condition No.	Condition
T-1	<p>SWPPP CONTENT:</p> <p>Owner or Operator:</p> <p>The SWPPP shall identify the "owner or operator" as defined in ACT11 of this permit. The operator's name, complete mailing address and telephone number(s) shall be identified on the plan. [WPC-1]</p>
T-2	<p>Erosion and Sediment Controls:</p> <p>The owner or operator shall list and describe controls appropriate for the construction activities and the procedures for implementing such controls. Controls shall be designed to retain sediment onsite and should:</p> <ol style="list-style-type: none">(1) Divert upslope water around disturbed areas(2) Limit exposure of disturbed areas to the shortest time possible(3) Disturb the smallest area possible(4) Preserve existing vegetation where possible, especially trees(5) Preserve vegetated buffer zones around any creek, drain, lake, pond or wetland(6) Slow rainfall runoff velocities to prevent erosive flows(7) Avoid disturbing sensitive areas such as:<ul style="list-style-type: none">- Steep and/or unstable slopes- Land upslope of surface waters- Areas with erodible soils- Existing drainage channels(8) Transport runoff down steep slopes through lined channels or piping(9) Minimize the amount of cut and fill(10) Re-vegetate disturbed areas as soon as possible(11) Implement best management practices to mitigate adverse impacts from storm water runoff(12) Remove sediment from storm water before it leaves the site by allowing runoff to pond in controlled areas to drop out sediment(13) Filter runoff by using natural vegetation, brush barriers, silt fences, hay bales, etc. [WPC-1]

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ACT5 (continued):

Narrative Requirements:

Condition No.	Condition
T-3	<p>At a minimum, the controls must be in accordance with the standards set forth in " Planning and Design Manual for the Control of Erosion, Sediment & Stormwater," or other recognized manual of design as appropriate for Mississippi. The planning and design manual can be obtained by calling 601/961-5171 or may be found electronically at Mississippi State's educational web site at http://abe.msstate.edu/csd/p-dm/. In addition, Mississippi's "Storm Water Pollution Prevention Plan (SWPPP) Guidance Manual for Construction Activities" is available by calling 601/961-5171 or on the MDEQ website at www.deq.state.ms.us. The erosion and sediment controls shall address the following minimum components.</p> <p>(1) Vegetative practices shall be designed to preserve existing vegetation where possible and re-vegetate disturbed areas as soon as practicable after grading or construction. Such practices may include surface roughening, temporary seeding, permanent seeding, mulching, sod stabilization, vegetative buffer strips, and protection of trees. When a disturbed area will be left undisturbed for 30 days or more, the appropriate temporary or permanent vegetative practices shall be implemented within 7 calendar days.</p> <p>(2) Structural practices shall divert flows from exposed soils, store flows or otherwise limit runoff from exposed areas. Such practices may include, but are not limited to, construction entrance/exit, silt fences, earth dikes, brush barriers, drainage swales, check dams, subsurface drains, pipe slope drains, level spreaders, drain inlet protection, drain outlet protection, detention/retention basins, sediment traps, temporary sediment basins or equivalent sediment controls. [WPC-1]</p>
T-4	<p>(3) Post-construction control measures should be installed to control pollutants in storm water after construction is complete. These controls include, but are not limited to, one or more of the following: on-site infiltration of runoff, flow attenuation using open vegetated swales, exfiltration trenches and natural depressions, constructed wetlands and retention/detention structures. Where needed, velocity dissipation devices shall be placed at detention or retention pond outfalls and along the outfall channel to provide for a non-erosive flow. [WPC-1]</p>
T-5	<p>Non-Storm Water Discharge Management:</p> <p>Except for flows from fire fighting activities, sources of non-storm water listed in ACT2, T-4 of this permit that are combined with storm water discharges associated with construction activity must be identified in the SWPPP. Non-storm water discharges should be eliminated or reduced to the extent feasible. The SWPPP must identify and ensure the implementation of appropriate pollution prevention measures for the non-storm water component(s) of the discharge. [WPC-1]</p>

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ACT5 (continued):

Narrative Requirements:

Condition No.	Condition
T-6	<p>Housekeeping Practices:</p> <p>The owner or operator shall describe and list practices appropriate to prevent pollutants from entering storm water from construction sites due to poor housekeeping. The owner or operator shall:</p> <ul style="list-style-type: none">(1) Designate areas for equipment maintenance and repair and concrete chute wash off;(2) Provide waste receptacles at convenient locations;(3) Provide regular collection of waste;(4) Provide protected storage areas for chemicals, paints, solvents, fertilizers, and other potentially toxic materials;(5) Provide adequately maintained sanitary facilities; and(6) Provide secondary containment around on-site fuel tanks. [WPC-1]
T-7	<p>Prepare Scaled Site Map(s):</p> <p>The owner or operator shall prepare a scaled site map showing original and proposed contours (if practicable), drainage patterns, adjacent receiving water bodies, north arrow, all erosion & sediment controls (vegetative and structural), any post-construction control measures, and location of housekeeping practices. If the construction project is linear (see Definitions in ACT11), a scaled site map is not required. However, standard diagrams (e.g., cross sections showing dimensions and labeled components) of erosion and sediment controls to be used must be included in the SWPPP. [WPC-1]</p>
T-8	<p>Implementation Sequence:</p> <p>The owner or operator shall prepare an orderly listing, which coordinates the timing of all major land-disturbing activities together with the necessary erosion and sedimentation control measures planned for the project. [WPC-1]</p>
T-9	<p>Implementation of Controls:</p> <p>The SWPPP shall require the owner or operator, in disturbing an area, to implement controls as needed to prevent erosion and adverse impacts to State waters. [WPC-1]</p>

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ACT5 (continued):

Narrative Requirements:

Condition No.	Condition
T-10	Maintenance and Weekly Inspections: The SWPPP shall describe procedures to maintain vegetation, erosion and sediment controls and other protective measures. Procedures shall provide that all erosion controls are inspected weekly for a minimum of four inspections per month (see ACT 6, S-4). [WPC-1]
T-11	EXAMPLE STORM WATER POLLUTION PREVENTION PLANS (SWPPPs): Example SWPPPs are included in the Mississippi Storm Water Pollution Prevention Plan Guidance Manual for Construction Activities. [WPC-1]

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ACT6 (Small Construction) Implementation, Inspection and Reporting Requirements:

Submittal/Action Requirements:

Condition No.	Condition
S-1	<p>SWPPP IMPLEMENTATION REQUIREMENTS:</p> <p>The coverage recipient shall:</p> <p>(1) Implement the SWPPP and retain a copy of the SWPPP at the permitted site or locally available. Failure to implement the SWPPP is a violation of permit requirements. A copy of the SWPPP must be made available to the MDEQ inspectors for review at the time of an on-site inspection.</p> <p>(2) Ensure that appropriate Best Management Practices (BMPs) are in place upon commencement of construction.</p> <p>(3) Amend the SWPPP if notified at any time by the Executive Director of the MDEQ that the SWPPP does not meet the minimum requirements. Owner or operator shall certify in writing to the Executive Director that the requested changes have been made. Unless otherwise provided, the requested changes shall be made within 15 days.</p> <p>(4) Amend the SWPPP whenever there is a change in design, construction, operation, or maintenance which may potentially affect the discharge of pollutants to State waters; or the SWPPP proves to be ineffective in controlling storm water pollutants. If the SCNOI was required to be submitted to MDEQ, the amended SWPPP shall be submitted within 30 days of amendment. Proposed expansion to five (5) acres or greater requires the submittal of a Large Construction Notice of Intent (LCNOI).</p> <p>(5) Install needed erosion controls even if they may be located in the way of subsequent activities, such as utility installation, grading or construction. It shall not be an acceptable defense that controls were not installed because subsequent activities would require their replacement or cause their destruction.</p> <p>(6) Install additional and/or alternative erosion and sediment controls when existing controls prove to be ineffective in preventing sediment from leaving the site.</p> <p>(7) Minimize off-site vehicle tracking of sediments. [WPC-1]</p>

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ACT6 (continued):

Submittal/Action Requirements:

Condition No.	Condition
S-2	<p>SWPPP IMPLEMENTATION REQUIREMENTS (continued):</p> <p>(8) Comply with applicable State or local waste disposal, sanitary sewer or septic system regulations.</p> <p>(9) Maintain all erosion controls. Except for sediment basins, all accumulated sediment shall be removed from structural controls when sediment deposits reach one-third to one-half the height of the control. For sediment basins, accumulated sediment shall be removed when the capacity has been reduced by 50%. All removed sediment deposits shall be properly disposed. Non-functioning controls shall be repaired, replaced or supplemented with functional controls within 24 hours of discovery or as soon as field conditions allow.</p> <p>(10) Implement steps necessary to meet a specific wasteload allocation established subsequent to the beginning of construction. [WPC-1]</p>
S-3	<p>SWPPP COMPLIANCE WITH LOCAL STORM WATER ORDINANCES:</p> <p>(1) In addition to the requirements of this permit, the SWPPP shall be in compliance with all local storm water ordinances.</p> <p>(2) When storm water discharges into a Municipal Separate Storm Sewer System (MS4), the owner or operator must make the SWPPP available to the municipal authority upon request. [WPC-1]</p>
S-4	<p>INSPECTION REQUIREMENTS:</p> <p>Inspection of all erosion controls and other SWPPP requirements shall be performed during permit coverage using a copy of the form provided at the back of this permit. Inspections shall be performed as follows:</p> <p>(1) At least weekly for a minimum of four inspections per month;</p> <p>(2) As often as is necessary to ensure that appropriate erosion and sediment controls have been properly constructed and maintained and to determine if additional or alternative control measures are required. The MDEQ strongly recommends that coverage recipients perform a "walk through" inspection of the construction site before anticipated storm events. [WPC-1]</p>

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ACT6 (continued):

Submittal/Action Requirements:

Condition No.	Condition
S-5	<p>RELEASE REPORTING:</p> <p>Releases into the environment of hazardous substances, oil, and pollutants or contaminants, which pose a threat to applicable water quality standards or causes a film, sheen or discoloration of State waters, shall be reported to the:</p> <ul style="list-style-type: none">- Mississippi Emergency Management Agency (601) 933-6362 or (800) 222-6362; or- National Response Center (800) 424-8802. [WPC-1]
S-6	<p>NONCOMPLIANCE REPORTING:</p> <p>(1) Anticipated Noncompliance. The owner or operator shall give at least 10 days advance notice, if possible, before any planned noncompliance with permit requirements. Giving notice of planned or anticipated noncompliance does not immunize the owner or operator from enforcement for that noncompliance.</p> <p>(2) Unanticipated Noncompliance. The owner or operator shall notify the MDEQ orally within 24 hours from the time he or she becomes aware of unanticipated noncompliance. A written report shall be provided to the MDEQ within 5 working days of the time he or she becomes aware of the circumstances. The report shall describe the cause, the exact dates and times, steps taken or planned to reduce, eliminate, or prevent reoccurrence and, if the noncompliance has not ceased, the anticipated time for correction. [WPC-1]</p>

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ACT7 (Small Construction) Limitation Requirements:

Limitation Requirements:

Condition No.	Parameter	Condition
L-1		<p>NON-NUMERIC LIMITATIONS:</p> <p>Storm water discharges shall be free from:</p> <ul style="list-style-type: none">(1) Debris, oil, scum, and other floating materials other than in trace amounts(2) Eroded soils and other materials that will settle to form objectionable deposits in receiving waters(3) Suspended solids, turbidity and color at levels inconsistent with the receiving waters(4) Chemicals in concentrations that would cause violation of State Water Quality Criteria in the receiving waters. [WPC-1]

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ACT8 (Small Construction) Record Keeping:

Record-Keeping Requirements:

Condition No.	Condition
R-1	<p>RETENTION OF RECORDS:</p> <p>All records, reports and information resulting from activities required by this permit shall be retained by the owner or operator, on-site if practicable, for a period of at least three years from the date construction was completed. [WPC-1]</p>
R-2	<p>DOCUMENTATION OF INSPECTIONS:</p> <p>All inspections required by ACT6, S-4 of this permit must be documented on the Inspection and Certification Form provided at end of this permit. The form must be certified according to the signatory requirements outlined in ACT10, T-4 and T-5 of this permit. Documentation must include the day and time the inspection was performed, who performed the inspection, any deficiencies noted, and corrective action needed. Documentation of all inspections must be kept with the SWPPP. Inspections must continue until such time that planned construction activities have been completed, land disturbing activities have ceased and disturbed areas have been stabilized with no significant erosion occurring. To satisfy this requirement for linear projects, inspections may be conducted at representative locations for portions of the project that have been completed and stabilized. [WPC-1]</p>

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ACT9 (Small Construction) Termination of Permit Coverage:

Submittal/Action Requirements:

Condition No.	Condition
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S-1

TERMINATION OF PERMIT REQUIREMENTS:

(1) If a SCNOI has not been requested by the Permit Board (SCNOI not submitted to MDEQ). Upon successful completion of all permanent erosion and sediment controls, inspections and reporting requirements are no longer required. The owner or operator must record the date of completion of all permanent erosion and sediment controls on the final inspection report.

(2) If a SCNOI has been requested by the Permit Board (SCNOI submitted to MDEQ). Upon successful completion of all permanent erosion and sediment controls for a small construction project a written notification of such shall be submitted to the MDEQ. Permit requirements remain in effect until such time the coverage recipient receives written notice of coverage termination from MDEQ. [WPC-1]

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ACT10 (Small Construction) Standard Requirements Applicable to All Water Permits:

Narrative Requirements:

Condition No.	Condition
T-1	<p>DUTY TO COMPLY:</p> <p>The coverage recipient must comply with all conditions of this permit. Any permit noncompliance constitutes a violation and is grounds for enforcement action; for coverage termination, revocation and reissuance, or modifications; or denial of a renewal application. [WPC-1]</p>
T-2	<p>DUTY TO MITIGATE:</p> <p>The owner or operator shall take all reasonable steps to minimize or prevent any discharge in violation of this permit which is likely to adversely affect human health or the environment. [WPC-1]</p>
T-3	<p>DUTY TO PROVIDE INFORMATION:</p> <p>The owner or operator 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 this permit, or to determine compliance with this permit. The owner or operator shall also furnish to the Permit Board, upon request, copies of records required to be kept by this permit. [WPC-1]</p>

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ACT10 (continued):

Narrative Requirements:

Condition
No.

Condition

T-4

SIGNATORY REQUIREMENTS:

All SCNOIs and Requests for Recoverage shall be signed as follows:

(1) For a corporation by a responsible corporate officer. For this permit, a responsible corporate officer means:

a) 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 functions for the corporation; or

b) the manager of one or more manufacturing, production or operating facilities employing more than 250 persons or having gross annual sales or expenditures exceeding \$25 million (in second-quarter 1980 dollars) if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures;

(2) For a partnership or sole proprietorship by a general partner or the proprietor, respectively; or

(3) For a municipal, State, Federal, or other public agency by either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a Federal agency includes: a) the chief executive officer of the agency, or b) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency. [WPC-1]

T-5

DULY AUTHORIZED REPRESENTATIVE:

All reports required by this permit, and other information requested by the Permit Board shall be signed by a person described in ACT 10, T-4 above, or by a duly authorized representative of that person. A person is a duly authorized representative when:

(1) The authorization is made in writing and submitted to the Permit Board by a person described in ACT 10, T-4 above.

(2) The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated activity, such as: manager, operator of a well or well field, superintendent, person of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company. (A duly authorized representative may be either a specified individual or position). [WPC-1]

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ACT10 (continued):

Narrative Requirements:

Condition No.	Condition
T-6	<p>CHANGES IN AUTHORIZATION:</p> <p>If an authorization is no longer accurate because a different individual or position has permit responsibility, a new authorization satisfying the requirements of ACT 10, T-4 and T-5 must be submitted to the Permit Board prior to or together with any reports, information or applications signed by the representative. [WPC-1]</p>
T-7	<p>CERTIFICATION:</p> <p>Any person signing documents under this section shall make the following certification:</p> <p>"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated 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." [WPC-1]</p>
T-8	<p>OIL AND HAZARDOUS SUBSTANCE LIABILITY:</p> <p>Nothing in this permit shall relieve the owner or operator from responsibilities, liabilities, or penalties under Section 311 of the CWA. [WPC-1]</p>
T-9	<p>PROPERTY RIGHTS:</p> <p>The issuance of this permit does not convey any property rights of any sort, nor any exclusive privileges, nor does it authorize any injury to private property nor any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations. [WPC-1]</p>
T-10	<p>SEVERABILITY:</p> <p>The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby. [WPC-1]</p>

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ACT10 (continued):

Narrative Requirements:

Condition No.	Condition
T-11	<p>TRANSFERS:</p> <p>Coverage under this permit is not transferable to any person except after notice to and approval by the Permit Board. The Permit Board may require the coverage recipient to obtain another NPDES permit. Transfer of coverage requests shall be submitted to the Permit Board using the form provided at the end of this permit. [WPC-1]</p>
T-12	<p>PROPER OPERATION AND MAINTENANCE:</p> <p>The owner or operator shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the owner or operator to achieve compliance with the conditions of this permit, including the Storm Water Pollution Prevention Plan. Proper operation and maintenance includes adequate laboratory controls with appropriate quality assurance procedures and requires the operation of backup or auxiliary facilities when necessary to achieve compliance with permit conditions. [WPC-1]</p>
T-13	<p>BYPASS PROHIBITION:</p> <p>Bypass (see 40 CFR 122.41(m)) is prohibited and enforcement action may be taken against an owner or operator for a bypass, unless: a) The bypass was unavoidable to prevent loss of life, personal injury, or severe property damage; b) There were 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 the owner or operator should, in the exercise of reasonable engineering judgment, have installed adequate backup equipment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and c) The owner or operator submitted notices per ACT 10, T-17 and/or T-18. [WPC-1]</p>
T-14	<p>UPSET CONDITIONS:</p> <p>An upset (see 40 CFR 122.41(n)) constitutes an affirmative defense to an action brought for noncompliance with technology-based permit limitations if a coverage recipient shall demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence, that: 1) An upset occurred and the coverage recipient can identify the specific cause(s) of the upset, 2) The permitted facility was at the time being properly operated, 3) The coverage recipient submitted notices per ACT 10, T-17 and/or T-18 and 4) The coverage recipient took remedial measures as required under ACT 10, T-2. In any enforcement proceeding, the coverage recipient has the burden of proof that an upset occurred. No determination made during administrative review of claims that noncompliance was caused by upset, and before an action for noncompliance, is final administrative action subject to judicial review. [WPC-1]</p>

Small Construction General Permit
Facility Requirements

Page 22 of 30

ACT10 (continued):

Narrative Requirements:

Condition No.	Condition
T-15	<p>INSPECTION AND ENTRY:</p> <p>The owner or operator shall allow the Permit Board staff or an authorized representative, upon the presentation of credentials and other documents as may be required by law, to:</p> <ul style="list-style-type: none">(1) enter upon the owner's or operator's premises where a regulated activity is located or conducted or where records must be kept under the conditions of this permit;(2) have access to and copy at reasonable times any records that must be kept under the conditions of this permit; and(3) inspect at reasonable times any facilities or equipment. [WPC-1]
T-16	<p>PERMIT ACTIONS:</p> <p>This permit may be modified, revoked and reissued, or terminated for cause. A request by the owner or operator for permit or coverage modification, revocation and reissuance, or termination, or a certification of planned changes or anticipated noncompliance does not stay any permit condition. [WPC-1]</p>
T-17	<p>ANTICIPATED NONCOMPLIANCE:</p> <p>The owner or operator shall give at least 10 days advance notice, if possible, before any planned noncompliance with permit requirements. [WPC-1]</p>
T-18	<p>UNANTICIPATED NONCOMPLIANCE:</p> <p>The owner or operator shall notify the MDEQ orally within 24 hours from the time he or she becomes aware of unanticipated noncompliance. A written report shall be provided to the MDEQ within 5 working days of the time he or she becomes aware of the circumstances. The report shall describe the cause, the exact dates and times, steps taken or planned to reduce, eliminate, or prevent reoccurrence and, if the noncompliance has not ceased, the anticipated time for correction. [WPC-1]</p>

Small Construction General Permit
Facility Requirements

Page 23 of 30

ACT10 (continued):

Narrative Requirements:

Condition No.	Condition
T-19	<p>REOPENER CLAUSE:</p> <p>If there is evidence indicating potential or realized impacts on water quality due to discharges covered by this permit, the owner or operator may be required to obtain individual permit or an alternative general permit in accordance with ACT 3, S-2 or the permit may be modified to include different limitations and/or requirements. [WPC-1]</p>
T-20	<p>PERMIT MODIFICATION:</p> <p>Permit modification or revocation will be conducted according to 40 CFR 122.62, 122.63, 122.64 and 124.5. [WPC-1]</p>
T-21	<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 Air and Water Pollution Control Law is subject to the actions defined by the Mississippi Air and Water Pollution Control Law.</p> <p>(2) Except as provided in permit conditions on "Bypassing" and "Upsets", nothing in this permit shall be construed to relieve the coverage recipient from civil or criminal penalties for noncompliance.</p> <p>(3) It shall not be the defense of the coverage recipient 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. [WPC-1]</p>

Small Construction General Permit
Facility Requirements

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ACT11 (Small Construction) Definitions:

Narrative Requirements:

Condition No.	Condition
T-1	BEST MANAGEMENT PRACTICES (BMPs) means schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the discharge of pollutants to waters of the United States. BMPs also include treatment requirements, operating procedures, and practice to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage. [WPC-1]
T-2	CONSTRUCTION ACTIVITY as used in this permit, includes construction activity as defined in 40 CFR part 122.26(b)(14)(x). This includes a disturbance to the land that results in the change in topography, existing soil cover (both vegetative and non-vegetative), or the existing topography that may result in accelerated storm water runoff, leading to soil erosion and movement of sediment into surface waters or drainage systems. Examples of construction activity may include clearing, grading, filling and excavating. Construction activity does not include routine maintenance that is performed to maintain the original line and grade, hydraulic capacity, or original purpose of the site. [WPC-1]
T-3	CONTROL MEASURE as used in this permit, refers to any Best Management Practice or other method used to prevent or reduce the discharge of pollutants to waters of the State. [WPC-1]
T-4	COMMENCEMENT OF CONSTRUCTION ACTIVITIES means the initial disturbance of soils associated with clearing, grading, or excavating activities or other construction-related activities. [WPC-1]
T-5	CLEAN WATER ACT (CWA) refers to the Federal Water Pollution Control Act, 33 U.S.C. section 1251 et seq. [WPC-1]
T-6	DISCHARGE OF STORM WATER ASSOCIATED WITH SMALL CONSTRUCTION ACTIVITY as used in this permit, refers to a discharge of pollutants in storm water runoff from areas where soil disturbing activities (e.g., clearing, grading, or excavation), construction materials or equipment storage or maintenance (e.g., fill piles, borrow area, concrete truck washout, fueling), or other industrial storm water directly related to the construction process (e.g., concrete) are located. [WPC-1]
T-7	EXECUTIVE DIRECTOR means the Executive Director of the Department of Environmental Quality. [WPC-1]
T-8	FACILITY OR ACTIVITY means any NPDES "point source" or any other facility or activity (including land or appurtenances thereto) that is subject to regulation under the NPDES program. [WPC-1]
T-9	FINAL STABILIZATION means all soil disturbing activities at the site have been completed, and that a uniform perennial vegetative cover with a density of at least 70% for the area has been established or equivalent measures have been employed. [WPC-1]

*** Official MDEQ Permit ***

Small Construction General Permit
Facility Requirements

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ACT11 (continued):

Narrative Requirements:

Condition No.	Condition
T-10	LARGE CONSTRUCTION ACTIVITY includes clearing, grading, and excavating resulting in a land disturbance that will disturb equal to or greater than five (5) acres of land or will disturb less than five (5) acres of total land area but is part of a larger common plan of development or sale that will ultimately disturb equal to or greater than five (5) acres. Large construction activity is covered by the Large Construction General Permit. [WPC-1]
T-11	LARGER COMMON PLAN OF DEVELOPMENT OR SALE means a contiguous area where multiple separate and distinct construction activities are occurring under one plan. The plan in a common plan of development or sale is broadly defined as any announcement or piece of documentation (including a sign, public notice or hearing, sales pitch, advertisement, drawing, permit application, zoning request, computer design, etc.) or physical demarcation (including boundary signs, lot stakes, surveyor markings, etc.) indicating that construction activities may occur on a specific plot. [WPC-1]
T-12	LINEAR PROJECT means a land disturbing activity as conducted by an underground/overhead utility or highway department, including but not limited to any cable line or wire for the transmission of electrical energy; any conveyance pipeline for transportation of gaseous or liquid substance; any cable line or wire for communications; or any other energy resource transmission ROW or utility infrastructure, e.g., roads and highways. Activities include the construction and installation of these utilities within a corridor. Linear project activities also include the construction of access roads, staging areas, and borrow/spoil sites associated with the linear project. [WPC-1]
T-13	NPDES means the National Pollutant Discharge Elimination System, which is a program administered under the authority of the Clean Water Act that prohibits the discharge of pollutants into waters of the United States unless a special permit is issued. [WPC-1]
T-14	OWNER OR OPERATOR for the purpose of this permit and in the context of storm water associated with construction activity, means any party associated with a construction project that meets either of the following two criteria: (1) The party has operational control over construction plans and specifications, including the ability to make modifications to those plans and specifications; or (2) The party has day to day operational control of those activities at a project which are necessary to ensure compliance with a storm water pollution prevention plan for the site or other permit conditions (e.g., they are authorized to direct workers at a site to carry out activities required by the SWPPP or comply with other permit conditions). This definition is provided to inform permittees of MDEQ's interpretation of how the regulatory definitions of "owner or operator" and "facility or activity" are applied to discharges of storm water associated with construction activity. [WPC-1]
T-15	PERMIT BOARD means the Mississippi Environmental Quality Permit Board established pursuant to Miss. Code Ann. 49-17-28. [WPC-1]
T-16	POLLUTANT is defined at 40 CFR 122.2. A partial listing from this definition includes: dredged spoil, solid waste, sewage, garbage, sewage sludge, chemical wastes, biological materials, heat, wrecked or discarded equipment, rock, sand, sediment, silt, cellar dirt, and industrial or municipal waste. [WPC-1]

Small Construction General Permit
Facility Requirements

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ACT11 (continued):

Narrative Requirements:

Condition No.	Condition
T-17	SMALL CONSTRUCTION ACTIVITY is defined at 40 CFR 122.26(b)(15) and incorporated here by reference. A small construction activity includes clearing, grading, and excavating resulting in a land disturbance that will disturb equal to or greater than one (1) acre and less than five (5) acres of land or will disturb less than one (1) acre of total land area but is part of a larger common plan of development or sale that will ultimately disturb equal to or greater than one (1) acre and less than five (5) acres. Small construction activity does not include routine maintenance that is performed to maintain the original line and grade, hydraulic capacity, or original purpose of the facility. [WPC-1]
T-18	STATE WATERS means all waters within the jurisdiction of this State, including all streams, lakes, ponds, wetlands, impounding reservoirs, marshes, watercourses, waterways, wells, springs, irrigation systems, drainage systems, and all other bodies or accumulations of water, surface and underground, natural or artificial, situated wholly or partly within or bordering upon the State, and such coastal waters as are within the jurisdiction of the State, except lakes, ponds, or other surface waters which are wholly landlocked and privately owned, and which are not regulated under the Federal Clean Water Act (33 U.S.C.1251 et seq.). [WPC-1]
T-19	STORM WATER means rainfall runoff, snowmelt runoff, and surface runoff. [WPC-1]
T-20	STORM WATER POLLUTION PREVENTION PLAN (SWPPP) means a plan that includes site map(s), an identification of construction/contractor activities that could cause pollutants in the storm water, and a description of measures or practices to control these pollutants. [WPC-1]
T-21	SUCCESSFUL COMPLETION OF ALL PERMANENT EROSION AND SEDIMENT CONTROLS means when land disturbing construction activities have been completed and disturbed areas have been stabilized with no significant erosion occurring. [WPC-1]
T-22	WPC-1 means the State of Mississippi's Wastewater Regulations for National Pollutant Discharge Elimination System (NPDES) Permits, Underground Injection Control (UIC) Permits, State Permits, Water Quality Based Effluent Limitations and Water Quality Certification. [WPC-1]

Submit only upon request from MDEQ



SMALL CONSTRUCTION NOTICE OF INTENT (SCNOI)

GENERAL NPDES PERMIT MSR15 _____ (Number to be assigned by MDEQ if submitted)

Prior to the commencement of small construction activity (see Small Construction General Permit ACT11, T-17), the owner or operator of a small construction project must complete this form and develop a Storm Water Pollution Prevention Plan (SWPPP) as required by ACT5 of Mississippi's Small Construction General Permit. **This SCNOI and SWPPP shall be submitted to the Mississippi Department of Environmental Quality (MDEQ) only upon request from MDEQ; however, the SCNOI and SWPPP must be maintained at the permitted site or locally available in case inspector review is necessary.** Attachments with this SCNOI must include: a USGS quad map or copy showing site location (only if required to be submitted to MDEQ) and a Storm Water Pollution Prevention Plan (SWPPP). All questions must be answered – answer "NA" if the question is not applicable.

PROJECT INFORMATION

OWNER CONTACT PERSON:

OWNER COMPANY NAME: _____

OWNER STREET (P.O. BOX): _____

OWNER CITY: _____

STATE: _____ ZIP: _____

OWNER PHONE # (INCLUDE AREA CODE): _____

OPERATOR (if different from owner) CONTACT PERSON:

OPERATOR COMPANY: _____

OPERATOR STREET (P.O. BOX): _____

OPERATOR CITY: _____

STATE: _____ ZIP: _____

OPERATOR PHONE # (INCLUDE AREA CODE): _____

PROJECT NAME: _____

DESCRIPTION OF CONSTRUCTION ACTIVITY: _____

ACREAGE DISTURBED (to be covered by this permit, area must be less than five (5) acres): _____

PHYSICAL SITE ADDRESS (If not available, indicate the nearest named road. For linear projects, indicate the beginning of the project and identify all counties the project traverses.):

STREET: _____

CITY: _____ COUNTY: _____ ZIP: _____

NEAREST NAMED RECEIVING STREAM: _____

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated 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.

Signature¹ _____

Date Signed _____

Printed Name _____

Title _____

¹This application shall be signed according to the Small Construction General Permit, ACT10, T-4.

If requested, please submit this form to:

Chief, Environmental Permits Division
MDEQ, Office of Pollution Control
P.O. Box 2261
Jackson, Mississippi 39225

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INSPECTION AND CERTIFICATION FORM SMALL CONSTRUCTION GENERAL PERMIT



COVERAGE NUMBER, if SCNOI was submitted to MDEQ (MSR15 _____)

Results of the inspections required by ACT6, S-4 of this permit shall be recorded on this report form and kept with the SWPPP in accordance with the inspection documentation provisions of ACT8, R-2 of the this permit. Inspections shall be performed at least weekly for a minimum of four inspections per month.

The coverage number must be listed at the top of all Inspection and Certification Forms, if the Small Construction Notice of Intent (SCNOI) was submitted to MDEQ (no coverage number is issued if SCNOI was not submitted to MDEQ).

COVERAGE RECIPIENT INFORMATION

OPERATOR COMPANY NAME: _____

PROJECT NAME: _____ **STARTUP DATE:** _____

PROJECT STREET ADDRESS: _____

PROJECT CITY: _____ **PROJECT COUNTY:** _____

OPERATOR MAILING ADDRESS: _____

MAILING CITY: _____ **STATE:** _____ **ZIP:** _____

CONTACT PERSON: _____ **CONTACT PHONE NUMBER:** _____

INSPECTION DOCUMENTATION

DATE (mo/day/yr)	TIME (hr:min AM/PM)	ANY DEFICIENCIES? (CHECK IF YES)	INSPECTOR(S)
		<input type="checkbox"/>	
		<input type="checkbox"/>	
		<input type="checkbox"/>	
		<input type="checkbox"/>	
		<input type="checkbox"/>	
		<input type="checkbox"/>	

Deficiencies Noted During any Inspection (give date(s); attach additional sheets if necessary): _____

Corrective Action Taken or Planned (give date(s); attach additional sheets if necessary): _____

Based upon this inspection which I or personnel under my direct supervision conducted, I certify that all erosion and sediment controls have been implemented and maintained, except for those deficiencies noted above, in accordance with the Storm Water Pollution Prevention Plan and sound engineering practices as required by the above referenced permit. I further certify that the SCNOI and SWPPP information is up to date.

I certify under penalty of law that this document and all attachments were prepared under my 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 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 fines and imprisonment for knowing violations.

Authorized Signature

Date

Printed Name

Title

If requested, please submit this form to:

Chief, Environmental Compliance and Enforcement Division
MDEQ, Office of Pollution Control
P.O. Box 2261
Jackson, Mississippi 39225

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Transfer of Small Construction General Permit Coverage and/or Name Change

Instructions: For Ownership Change-Complete all Items on this page (except Item VIII) and reverse side.
For Name Change Only-Complete Items I, II, V, VI, VII, VIII, and reverse side.

<p>Item I.</p> <p>Facility Name: _____</p> <p>Location: (Do Not Use P.O. Box)</p> <p style="padding-left: 40px;">Street: _____</p> <p style="padding-left: 40px;">City: _____ State: <u>MS</u> Zip: _____</p> <p>County: _____</p> <p>Telephone: (____) _____</p>	<p>Item II.</p> <p>Responsible official after transfer or name change:</p> <p>Name: _____</p> <p>Title: _____</p> <p>Mailing Address:</p> <p style="padding-left: 40px;">Street/P.O. Box: _____</p> <p style="padding-left: 40px;">City: _____ State: _____ Zip: _____</p> <p>Telephone (____) _____</p>
<p>Item III.</p> <p>Previous Permittee¹: _____</p> <p>Mailing Address:</p> <p style="padding-left: 40px;">Street/P.O. Box: _____</p> <p style="padding-left: 40px;">City: _____ State: _____ Zip: _____</p> <p>Telephone: (____) _____</p>	<p>Item IV.</p> <p>New Permittee¹: _____</p> <p>Mailing Address:</p> <p style="padding-left: 40px;">Street/P.O. Box: _____</p> <p style="padding-left: 40px;">City: _____ State: _____ Zip: _____</p> <p>Telephone: (____) _____</p>
<p>Item V.</p> <p>Industrial Activity SIC Code: _____</p> <p>Brief Description: _____</p>	<p>Item VI.</p> <p>Will Facility Operations Change? Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>If yes, the appropriate applications and permits may required modification prior to change.</p>
<p>Item VII.</p> <p>Will Facility Name Change? Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>If Yes, Provide New Name for Permit Coverage.</p> <p>New Name: _____</p>	<p>Item VIII.</p> <p>Signature for Name Change</p> <p>Print Name: _____</p> <p>Authorized Signature²: _____</p> <p>Title: _____ Date: _____</p>
<p>Item IX.</p> <p style="text-align: center;">We the undersigned transfer permit coverage MSR15 _____ (complete if known)</p> <p>From: _____</p> <p>To: _____ Acquisition Date: _____</p>	
<p>By signature below, the new permittee certifies that they are aware of the requirements of the Small Construction General Permit and agrees to accept responsibility and liability for permit compliance. The previous permittee by signature below is transferring permit coverage to the new permittee.</p>	
<p>_____ Print New Permittee¹ Name</p> <p>_____ New Authorized Signature²</p> <p>_____ Title</p> <p>_____ Date</p>	<p>_____ Print Previous Permittee¹ Name</p> <p>_____ Previous Authorized Signature²</p> <p>_____ Title</p> <p>_____ Date</p>
<p>¹A Permittee is a company or individual that is covered under the general permit. ²Authorized Signature must be owner or operator.</p>	

Item X. Storm Water

(Check One)

- ☐ The recipient certifies that they have received a copy of the SWPPP from the original owner.
- ☐ The recipient is developing a new SWPPP.

If other environmental permits are involved please contact MDEQ at 601/961-5171 for the appropriate MDEQ transfer form or see MDEQ's web site at www.deq.state.ms.us

**Submit to MDEQ at the following address only if an SCNOI has been submitted.
If not submitted, you must keep this form with your records.**

**Chief, Environmental Permits Division
MDEQ, Office of Pollution Control
P.O. Box 2261
Jackson, Mississippi 39225**

Large Construction Stormwater Permit MSR105946 & Stormwater Pollution Prevention Plan



*State of Mississippi
Department of Environmental Quality
Office of Pollution Control*

Certificate of Permit Coverage

under Mississippi's Large Construction Storm Water General NPDES Permit

Be it known

**Entergy Operations, Inc.
Port Gibson, Mississippi**

having submitted an acceptable Construction Notice of Intent, is hereby granted this Certificate of Permit Coverage in order to discharge storm water associated with the construction of

**Entergy Mississippi Inc, Grand Gulf Nuclear Station
Receiving Stream: Hamilton Lake
Claiborne County**

*Coverage No: MSR105946
Date of Coverage: May 13, 2011
Date General Permit Expires: December 31, 2015*

Chief, General Permits Branch

2082 GNP20110001



Entergy Operations, Inc.
P.O. Box 756
Port Gibson, MS 39150
Tel 601 437 2800

Michael Perito
VP, Operations

GEXO/2011- 00278

April 27, 2011

Mr. Jim Morris
Mississippi Dept. of Environmental Quality
Office of Pollution Control
Post Office Box 2261
Jackson, MS 39225-2261

SUBJECT: Large Construction General Permit (Extended Power Uprate (EPU)
Laydown Area)
ENV: Grand Gulf Nuclear Station

Dear Mr. Morris:

As previously discussed via emails on 4/18/2011, GGNS is requesting Permit Coverage under the Large Construction General Permit. GGNS has updated the Construction Storm Water Pollution Prevention Plan which contains the completed Mississippi Department of Environmental Quality (MDEQ) Large Construction Notice of Intent for coverage under the large construction storm water general NPDES Permit MSR10.

The GGNS Construction Storm Water Pollution Prevention Plan was updated to include a Large Construction General Permit for a new EPU Laydown Area; a copy is included in this package to be put on file at the MDEQ.

Also, as requested, we will maintain a copy of our signed and completed documents as proof of coverage and make them available for inspection.

If you have any questions or require additional information, please feel free to contact Charles K. Shepphard at (601) 437-7312 or CShepph@entergy.com.

Sincerely,

Mr. Michael Perito
Vice President, Operations
Grand Gulf Nuclear Station

RECEIVED

MAY 2 2011

Dept of Environmental Quality

MP/cks

Attachments: Updated Construction Storm Water Pollution Prevention Plan



Page 2
GEXO/2011- 00278

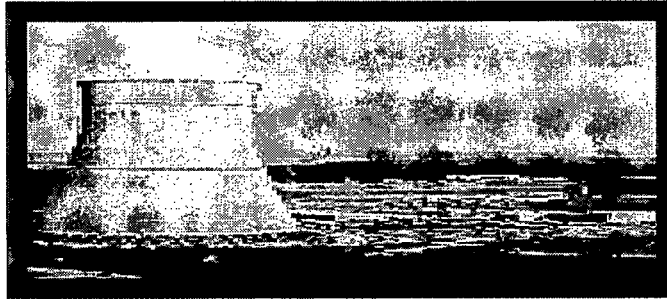
cc: Ms. Christina Perino w/o
Mr. Patrick Donahue (K-WPO-12E) w/a
Mr. Jay Barkley [MDEQ] w/a
File [CHEM]
File [CENTRAL] [101]

U.S. Nuclear Regulatory Commission
Region Administrator, Region IV (w/a)
ATTN: Mr. Elmo E. Collins, Jr.
612 East Lamar Blvd, Suite 400
Arlington, TX 76011-4125

**Attachment
To
GEXO/2011-00278**

**Updated Construction Storm Water Pollution Prevention Plan
EPU Material Storage / Lay-down Area Construction Project**

**CONSTRUCTION
STORM WATER POLLUTION PREVENTION PLAN (SWP3)**



PROJECT DESCRIPTION:
Entergy Operations, Inc. EPU Material Storage / Lay-Down Area Construction Project

Grand Gulf Nuclear Station
Port Gibson, Claiborne County, Mississippi

PREPARED FOR:



ENTERGY NUCLEAR

Entergy Nuclear
Post Office Box 756
Port Gibson, Mississippi 39150
Attention: Mr. Charles Shepphard
Office Phone: (601) 437-7312
Email: cshepph@entergy.com

ENERCON Project No. ENTGGG091

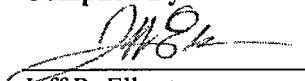
March 10, 2011

PREPARED BY:



Enercon Services, Inc. (ENERCON)
5100 East Skelly Drive, Suite 450
Tulsa, Oklahoma 74135
Phone: (918) 665-7693
Fax: (918) 665-7232
Email: jthomas@enercon.com

Compiled By:


Jeff R. Elbert
Senior Project Manager

Reviewed By:

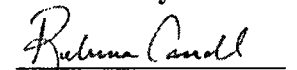

Rebecca A. Carroll
Environmental Scientist

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FIGURES (Found In Appendix B)

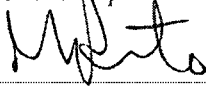
Figure 1	Project Vicinity Map
Figure 2	Topographic Location Map

1.0 AUTHORIZED REPRESENTATIVE CERTIFICATION

I certify under penalty of law that this Construction Storm Water Pollution Prevention Plan (SWP3) and all attachments were prepared for the Entergy Operations, Inc. Extended Power Uprate (EPU) Material Storage/Lay-Down Area Construction Project at the Grand Gulf Nuclear Station (GGNS) located in Port Gibson, Claiborne County, Mississippi under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated 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.

MICHAEL PERITO

Authorized Representative (Print Name)



Authorized Representative (Signature)

4/27/11

Date

2.0 CONTRACTOR & SUBCONTRACTOR CERTIFICATION

Contractors, builders, regular suppliers and/or others (Contractors/Subcontractors) involved in the Entergy Operations, Inc. EPU Material Storage/Lay-Down Area Construction Project located at the GGNS in Port Gibson, Claiborne County, Mississippi, who are not the Owner/Operator must execute this Certification which places the responsibility of complying with and abiding by the intent and purpose of this SWP3 with the Contractor/Subcontractor for any and all work performed under their authority and direction. Furthermore, the Contractor/Subcontractor assumes responsibility to avoid or eliminate any actual or potential adverse effects upon the environment according to this SWP3, during all phases of building, construction, or delivery activity on any and all construction sites under the control and responsibility of the Contractor/Subcontractor as described in this SWP3. The Contractor/Subcontractor must be thoroughly familiar with and adhere to, this Construction SWP3, the Best Management Practices (BMPs) available at the job site, and the MDEQ MSR10 Large Construction General Permit (issued January 11, 2011).

Certification

I certify that I understand the terms and conditions of this SWP3 for the Entergy Operations, Inc. EPU Material Storage / Lay-Down Area Construction Project at the GGNS located in Port Gibson, Claiborne County, Mississippi. I agree that as a contractor, subcontractor, builder, regular supplier, or a support service company, I am responsible for installing and/or maintaining the appropriate pollution prevention measures that I am responsible for according to the agreement I have with the Owner/Operator and in accordance with MDEQ MSR10 Large Construction General Permit (issued January 11, 2011).

<u>T. J. Dickey</u>	<u>[Signature]</u>	<u>3-31-11</u>
Contractor/Subcontractor (Print Name)	(Signature)	(Date)
Contractor/Subcontractor (Print Name)	(Signature)	(Date)
Contractor/Subcontractor (Print Name)	(Signature)	(Date)
Contractor/Subcontractor (Print Name)	(Signature)	(Date)
Contractor/Subcontractor (Print Name)	(Signature)	(Date)
Contractor/Subcontractor (Print Name)	(Signature)	(Date)
Contractor/Subcontractor (Print Name)	(Signature)	(Date)

3.0 INTRODUCTION & AMENDMENT

Project Location: Entergy Operations, Inc. EPU Material Storage/Lay-Down Area Construction Project

Grand Gulf Nuclear Station
Port Gibson, Claiborne County, Mississippi

Approximate coordinates at center of Project construction area are Latitude 32.010248 and Longitude -91.050904

Primary Project Contact:

Mr. Charles Shepphard
Entergy Operations, Inc.
Post Office Box 756
Port Gibson, Mississippi 39150
Office Phone (601) 437-7312
Cell Phone (512) 769-6909
Email cshepph@entergy.com

This SWP3 must be:

- Submitted to the Mississippi Department of Environmental Quality (MDEQ) along with the completed Large Construction Notice of Intent (LCNOI) form.
- Maintained on-site or at least locally available at all times until project completion.
- Made available to the Director of the MDEQ and/or any State, Federal, or local agencies with approval or review authority.
- Amended (within 15 days) anytime there is a change in design, construction, operation, or maintenance that has a significant effect on the discharge of pollutants and that has not been addressed in this SWP3 or when inspections/investigations by site operators or regulators indicate a deficiency. Submit amended SWP3 to MDEQ within thirty (30) days, if necessary. Appendix E contains an amendment log form.

The LCNOI form for storm water discharges associated with construction activity under MDEQ MSR10 Large Construction General Permit (Issued January 1, 2011) has been completed and signed for this project. A copy of the completed and signed LCNOI and Prime Contractor Certification are included in Appendix A.

Neither Owners nor Operators are authorized to discharge storm water associated with large construction activity under the terms and conditions of MDEQ MSR10 until receipt of written notification of approval of coverage from the Permit Board staff. Discharges of storm water without written notification of coverage under this permit or issuance of an individual National Pollutant Discharge Elimination System (NPDES) Storm Water Permit is a violation of the Mississippi Air and Water Pollution Control Law 49-17-29(2)(b).

3.1 Project Description

This construction project, described as the EPU Material Storage/Lay-Down Area Construction Project (henceforth called the Project) includes the following construction activities:

- Additional Parking Area – The existing partially paved area (gravel and pavement) will be paved with asphalt for additional parking to be used by workers. Construction in this area will result in the disturbance of approximately 2.90 acres of land.
- Overflow Parking Area – The grassed area will be grubbed, graded, covered with gravel, and compacted for additional parking to be used by personnel. Construction in this area will result in the disturbance of approximately 2.90 acres of land.
- Lay-Down Area for Floats – The grassed area will be grubbed, graded, covered with gravel, and compacted for additional parking to be used by large truck/trailer rigs and for storage of various supplies. Construction in this area will result in the disturbance of approximately 2.32 acres of land.
- General Lay-Down Area – The grassed area will be grubbed, graded, covered with gravel, and compacted for equipment storage. This area will also be secured by a fence and partially protected by a large portable tent. Construction in this area will result in the disturbance of approximately 2.26 acres of land.
- Moisture Separator Reheaters (MSR) and High Pressure Motors Lay-Down Area – The grassed area will be grubbed, graded, covered with gravel, and compacted for storage of MSRs and high pressure motors. Construction in this area will result in the disturbance of approximately 1.74 acres of land.
- Walkway – The grassed area will be grubbed, graded, covered with gravel, and compacted for use as a walkway for workers and personnel. Construction in this area will result in the disturbance of approximately 0.02 acres of land.

The total estimated area of disturbance caused by construction activities is 12.14 acres.

The existing construction area resides on an area with minimal topographic relief, no steep side slopes, and no surface water features. During construction and post construction the site characteristics and drainage patterns will be maintained with minimal modification.

Land disturbance associated with this construction project is limited primarily to grubbing, grading, and surfacing (asphalt and gravel) with the primary source of potential storm water pollution associated with the project being solids from the area of land disturbance. Discharge of solids (floating, suspended, and non-settleable) will be controlled with the use of stabilization methods, existing structural controls, and temporary structural controls.

Appendix B contains the Project Vicinity Map (Figure 1) and Topographic Location Map (Figure 2). Appendix C contains the Site Map and Erosion / Sediment Control Plans

(Figure 3). These figures depict the location of the construction areas relative to facility operations, property boundaries, and existing drainage features and identify the location of temporary and existing structural controls.

3.2 SWP3 Submittal to MDEQ

In accordance with the MDEQ MSR10 Large Construction General Permit, ACT3, Part S-1 and the LCNOI Instructions, the LCNOI must be accompanied by a copy of this SWP3 upon submittal.

4.0 DETAILED SITE DESCRIPTION AND DRAINAGE

This construction project is expected to disturb an estimated 12.14 acres of land located northwest of the existing GGNS site. The area to be disturbed consists primarily of an existing partially paved area (gravel and pavement) and grassed areas located between local drainage streams identified by the site as Stream A to the north, and Stream B to the south.

Surface drainage throughout the total area of construction, surface drainage during construction, and post construction surface drainage will remain similar to the existing drainage. Surface drainage across the construction area flows in multiple directions and ultimately discharges outside the construction area boundaries in north/northeasterly and south/southeasterly directions. Surface drainage from the construction area flows via sheet flow into roadside drainage ways and ultimately discharges into two (2) existing sedimentation basins located onsite.

Sedimentation Basin A is located north/northeast of the construction area and Sedimentation Basin B is located south/southwest of the construction area. Sedimentation Basins A and B are designed such that sediments from the area of land disturbance will be retained in the basins. The outfalls for these basins utilize standpipe construction to control the release of settleable solids. Both basin outfalls are regulated outfalls under GGNS' existing NPDES permit Number MS0029521, and are designated by that permit as Outfall 013 (Basin A) and Outfall 014 (Basin B). Both outfalls, 013 and 014, are monitored for Total Suspended Solids (TSS) pursuant to the existing NPDES permit. Overflow from the sedimentation basins flow into Hamilton Lake.

Sedimentation Basins A and B are components of the facility's safety-related structures, systems, and components designed to withstand the worst flooding caused by an appropriate combination of several hypothetical events. The events considered include Probable Maximum Flood (PMF) of the Mississippi River coincident with wind-generated waves, seismic failure of upstream dams coincident with the U. S. Army Corps of Engineers Design Project Flood (DPF), ice flooding, and PMF of the two small streams adjacent to the plant. The runoff model in the original analysis used a very conservative assumption, in that the runoff coefficient (i.e., the percentage of rain that appears as direct runoff) was set at 1.0. This assumption essentially models the drainage basins as if they were covered, such that all rainwater is allowed to run off without benefit of soil infiltration.

Figure 2 (Topographic Location Map), included in Appendix B (Site Figures), shows the area's topography and drainage characteristics. Appendix C contains a copy of the Erosion and Sediment Control Plan (Figure 3 / 2 Sheets).

4.1 Soil Types

The project area is underlain primarily by the Memphis silt loam (0-2 percent slopes/Map Code MeA), Gullied land (Map Code Gu), and Memphis and Natchez silt loams (17-40 percent slopes/Eroded/Map Code MnF2). All three (3) of these soils are hydric.

The Memphis series soils located on the eastern portion of the construction area consist of very deep, moderately permeable, well drained soils that formed in loess deposits more than 48 inches in thickness. These soils are on terraces and uplands of the Coastal Plain. Slopes range from 0 to 50 percent.

The Freeland series soils that include Gullied land are located on the western portion of the construction area. Gullied land is a miscellaneous land type made up of gullied areas. The soil

between the gullies is typically moderately well drained to excessively drained and has rapid runoff. Slopes are typically 2 to 35 percent. These soils were deposited as wind-blown loess that forms the upper 20 to 40 feet of subsurface material of the bluffs above the floodplain of the Mississippi River. However, the project areas were extensively excavated, filled, and reworked during the construction of the Station.

The Natchez series soils located on the western portion of the construction area consist of deep, well drained soils that formed in thick deposits of loess. Permeability is moderate, and runoff is rapid to very rapid. These strongly sloping to very steep soils are on hillsides in the highly dissected bluff hills section of the Southern Mississippi Silty Uplands that border the alluvial plains of the Mississippi River and its tributaries. Slope ranges from 12 to 60 percent.

5.0 WATERSHED INFORMATION

5.1 Project Watershed

The project construction area is located within the Lower Mississippi - Natchez Watershed (08060100). In accordance with Section 303(d) of the Clean Water Act, the area watershed and nearby receiving water bodies have been evaluated in order to determine the presence or absence of impaired water bodies that do not meet water quality standards.

5.2 Water Quality Management Areas & Designated Uses

According to the MDEQ, the subject construction area is located in Basin Management Group III (Pearl River, South Independent Streams and Big Black River Basin). According to the State of Mississippi Water Quality Criteria for Intrastate, Interstate, and Coastal Waters, adopted by Mississippi Commission on Environmental Quality: August 23, 2007, the Mississippi River is classified for Fish and Wildlife use, but with the following additions to the criteria (applicable to the Project location); *Mineral Constituents: Not to exceed the following concentrations at any time:* (From Vicksburg south to the Mississippi-Louisiana border), Chlorides – 75 mg/l, Sulfates – 120 mg/l, and Total Dissolved Solids (TDS) – 400 mg/l. According to the State of Mississippi Water Quality Criteria for Intrastate, Interstate, and Coastal Waters, the location of the Mississippi River that this Project abuts does not have any other Designated Uses in State Waters (Section IV).

5.3 303(d) Listed Impaired Water Bodies, TMDLs, & Added Controls

The United States Environmental Protection Agency (USEPA) has approved Mississippi's 2008 303(d) list. According to the Mississippi 2008 Section 303(d) List of Impaired Water Bodies prepared pursuant to Section 303(d) of the Clean Water Act (approved July 24, 2008), the Lower Mississippi River is not included on the 303(d) list of impaired water bodies.

According to USEPA web based sources (<http://cfpub.epa.gov/surf/locate/index.cfm>), as of the date of this SWP3 development, the only Total Maximum Daily Loads (TMDL's) approved were for pesticides (DDT) and toxaphene (established on January 4, 2007).

5.4 Outstanding Resource Waters

According to the MDEQ, Mississippi does not categorize water bodies as outstanding National Resource Waters at this time.

6.0 THREATENED & ENDANGERED SPECIES/WETLANDS

Species currently protected under the ESA, including candidate species, that have geographic ranges which could potentially include the GGNS site, include two mammals, one bird, one reptile, and one fish. These are the Louisiana black bear, American black bear, wood stork, American alligator, and the pallid sturgeon. Although no longer a listed threatened or endangered species, the bald eagle could also potentially be present onsite. However, none of these species are likely to be present in the area of land disturbance since it has already been cleared of much the habitat typically used for the terrestrial species, and protective plans are not required beyond those to be implemented to control the release of storm water pollutants.

6.1 Wetlands USACE Section 404 Permit

The potential need for a United States Army Corps of Engineers' Section 404 Permit has been evaluated for this construction project and such a permit has been determined not required.

7.0 HISTORIC PRESERVATION

GGNS has evaluated the affects of EPU and determined that no cultural resources would be affected. This assessment has been included in the GGNS EPU application submittal to the Nuclear Regulatory Commission. The project areas encompassed by this SWP3 has been previously cleared, graded, excavated, filled, and reworked during the construction of the Station. Previous consultations with the Mississippi Department of Archives and History has indicated little concern for the Project area."

However as a precautionary measure, it is recommended that work orders include cultural resource specific written directions for excavation and backfill work which calls for an immediate stop-work order should archeological, historical, or other cultural resources be uncovered during excavation. The construction supervisor is responsible for ensuring work stoppage and for notifying the GGNS Environmental Lead of an inadvertent discovery.

8.0 BEST MANAGEMENT PRACTICES

The Erosion and Sediment Control Plan included in Appendix C of this Construction SWP3 is required to be implemented during this project.

8.1 Excavation, Grubbing, and Grading

The following measures are required to be implemented during excavation, grubbing, and grading activities:

- Storm water volume will be kept to a minimum by limiting the areas of disturbance and facilitating proper drainage to Sedimentation Basins A and B. Drainage ways will be kept open in a manner that allows adequate flow and proper drainage. Storm water velocity will be controlled with the use of roughening techniques and installation of silt fence along the down gradient sides of the construction area. Roughening techniques will include tracking the surface with dozer tracks in order to create a rough surface prior to precipitation events.
- Storm water discharges will be controlled with the use of silt fence installed along the down gradient sides of the construction area and Sedimentation Basins A and B. Existing storm water conveyances are suitable to handle storm water discharge from the construction area.
- The amount of soil exposed during construction activities will be kept to a minimum. The installation of asphalt surfacing and gravel will be performed in phases as grubbing and grade work progresses.
- The disturbance of steep slopes will not be necessary for the completion of this construction project. Additionally, there are no storm drain inlets-outlets associated with surface runoff from this construction project.
- Sediment discharges will be controlled with Sedimentation Basins A and B. Additionally, the existing vegetation buffers located between the construction area and these sedimentation basins will be maintained, with disturbance kept to a minimum. Storm water runoff will be directed to these vegetated areas. The project will maintain a minimum of 150 feet vegetated buffer zone between the construction area and the Sedimentation Basins.
- Soil compaction will be kept to a minimum except in the area where asphalt and/or gravel surfaces are to be constructed. Additionally the amount of cut and fill will be kept to a minimum and restricted primarily to surface grubbing and/or grade work. There will be no transport of runoff down steep slopes.
- Topsoil will be stockpiled and used in areas that will be re-vegetated. Upon final grade the topsoil will be distributed to a minimum depth of two (2) inches on 3:1 slopes and four (4) inches on flatter slopes.
- Heavy equipment use in areas beyond those to be surfaced with asphalt and/or gravel will be limited in order to better maintain suitable soil conditions for re-vegetation.
- Existing Sedimentation Basins A and B will receive runoff from the construction project. No flocculants will be used.

8.2 Road Entrances

A total of four (4) stabilized road entrances will be installed prior to any land disturbance activities and the following measures implemented:

- Excess material tracked onto public streets will be removed as necessary.
- Dump trucks hauling material to and from the site will be covered with tarpaulins (as necessary).
- For the remainder of the project roads, drainage culverts will be used where needed and roads stabilized with gravel/shale to prevent the tracking of mud onsite and offsite (as necessary).

8.3 Access Roads & Parking Areas

Access roads and parking areas will be stabilized with gravel/shale (as necessary) to control the tracking of mud onsite and offsite, prevent distress to the vegetation, and reduce significant dirt paths/ruts that could lead to erosion. The generation of dust will be minimized with the application of water (no additives) for dust suppression, if necessary.

8.4 Road & Creek/River Crossing

There will be no creek/river crossings required for this construction project.

8.5 Construction Equipment Maintenance

The following measures will be implemented for construction equipment maintenance activities should they occur in the project area:

- Perform maintenance activities in areas isolated from significant storm water run-on and runoff.
- Collect, transport, and dispose/recycle all maintenance fluids in accordance with applicable regulatory and site procedural requirements.
- Remove any soil staining resulting from spillage or seepage of maintenance fluids immediately and manage in accordance with applicable regulatory and site procedural requirements.
- Any maintenance fluids stored inside containers of 55-gallons or greater will be equipped with secondary containment capable of holding a minimum of 110% of the largest container capacity (plus precipitation).
- Construction equipment and bulk storage containers staged/stored within flood prone areas will be removed prior to flooding events. As a note, the Project area is not a flood prone area.
- Discharge of precipitation from secondary containment systems will be monitored for visible sheen and, if such sheen exists, the contained water shall not be discharged.
- Precipitation with a sheen inside a secondary containment system will be collected and disposed offsite in accordance with applicable regulatory and site procedural requirements.

8.6 Housekeeping Practices & Sanitary Facilities

The following measures will be implemented at the project area as it relates to housekeeping practices and sanitary facilities:

- All construction debris will be picked up on a daily basis.
- If any sediment escapes the project site, it will be cleaned up within 24 - 48 hours or prior to a rainfall event.
- Any fuel storage tanks, bulk oil/equipment fluids, or chemical products brought on-site in containers 55-gallons or greater will be equipped with secondary containment capable of holding a minimum of 110% of the largest container (plus precipitation).
- All waste materials will be collected, stored in a securely lidded container, and properly disposed off-site in accordance with applicable regulatory and site procedural requirements.
- All hazardous materials will be disposed in the manner specified by applicable regulatory and site procedural requirements.
- All sanitary waste will be collected inside portable toilets that are serviced as needed for proper offsite disposal. In addition, the portable toilets, fuel storage tanks, and temporary storage areas for other materials/waste staged/stored within flood prone areas will be removed prior to flooding events. As a note, the Project area is not a flood prone area.
- No solid materials, including building materials will be discharged.

8.7 Critical Area BMP's

As an added precaution, if impacted water is produced in association with construction, the water will be controlled on-site and/or disposed off-site, if necessary in order to prevent associated runoff. These control measures include the following:

- If discharged, the water will be filtered to remove sediment by passing through hay/straw bales, silt fence, or rip/rap.
- Silt fences will be used to control erosion and potential siltation within the creek/river corridors and lowland areas.
- No bulk liquids or equipment will be stored within the lowland areas.

8.8 Vegetative Stabilization Measures

The following vegetative stabilization measures will be implemented for the appropriate project areas:

- Heavy equipment use in areas to be re-vegetated will be avoided and if compaction occurs in these areas then the top four (4) inches of the soil bed will be tilled before re-vegetation. Any necessary fertilizer or other soil amendments will be added during the tilling process.
- Existing vegetation will be preserved where possible (especially trees).

- Efforts will be made to maintain indigenous vegetative buffers around the disturbed areas.
- When a disturbed area will be left undisturbed for fourteen (14) days or more, the appropriate temporary or permanent vegetative practices shall be implemented within seven (7) calendar days.
- In accordance with the Mississippi SWP3 Guidance Manual for Construction Activities (Seeding Chart for The State of Mississippi), temporary seed shall include fast-growing annual grasses such as Wheat and/or Ryegrass.
- The application rate for Wheat will be a minimum of ninety (90) pounds per acre, and the application rate for Ryegrass will be a minimum of thirty (30) pounds per acre.
- Upon project completion, permanent seeding or sodding will be conducted for long-term vegetation support and re-establishment. Permanent seed mix shall consist of a minimum of fifteen (15) pounds per acre of Common Bermuda. After placement of temporary and/or permanent seed, each area will be mulched with straw, as necessary.

8.9 Post Construction Control Measures

Post construction storm water control measures will include existing Sedimentation Basins A and B.

8.10 Structural Erosion Controls

Surface drainage from the construction area flows via sheet flow into roadside drainage ways and ultimately discharges into two (2) existing sedimentation basins located onsite. Sedimentation Basin A is located north/northeast of the construction area and Sedimentation Basin B is located south/southwest of the construction area. Overflow from both sedimentation basins flows southward into Hamilton Lake.

Sedimentation Basins A and B are designed such that sediments from the area of land disturbance will be retained in the basins. Stormwater Outfalls 013 and 014 associated with Sedimentation Basin A and Sedimentation Basin B (respectfully) utilize standpipe construction to control the release of settleable solids. Sedimentation Basins A and B are components of the facility's safety-related structures, systems, and components designed to withstand the worst flooding caused by an appropriate combination of several hypothetical events. The events considered include Probable Maximum Flood (PMF) of the Mississippi River coincident with wind-generated waves, seismic failure of upstream dams coincident with the U. S. Army Corps of Engineers Design Project Flood (DPF), ice flooding, and PMF of the two small streams adjacent to the plant. The runoff model in the original analysis used a very conservative assumption, in that the runoff coefficient (i.e., the percentage of rain that appears as direct runoff) was set at 1.0. This assumption essentially models the drainage basins as if they were covered, such that all rainwater is allowed to run off without benefit of soil infiltration.

Temporary structural controls to be utilized during this project will include silt fences and construction entrances, as shown on the Erosion and Sediment Control Plan in Appendix C of this SWP3. The type of additional erosion controls utilized in each area will be evaluated based upon practicality, cost, and efficiency.

All of the necessary structural erosion controls will be installed and maintained throughout the duration of the entire project. In the event sediment escapes the site, offsite accumulations of sediment will be removed within 24-48 hours or prior to a rainfall event in order to minimize offsite impact.

The Topographic Location Map (Figure 2), included in Appendix B (Site Figures), shows the area's topography and drainage characteristics. Appendix C contains a copy of the Erosion and Sediment Control Plan (Figure 3 / 2 Sheets).

8.11 Final Stabilization

In accordance with the MDEQ MSR10 Large Construction General Permit, ACT13, Part T-13, final stabilization will be accomplished once all soil disturbing activities at the site have been completed and a uniform perennial vegetative cover with a density of at least 70% for the area has been established or equivalent measures (i.e., concrete or asphalt paving, rip rap, etc.) have been employed.

For this construction project final stabilization will be accomplished once the asphalt paving and gravel surfacing activities have been completed and the adjacent disturbed soil areas have been effectively vegetated (at least 70% cover) with either seed or sod.

9.0 IMPLEMENTATION SEQUENCE

The implementation sequence for this project is shown below:

- Task 1: Complete the LQNOI form under the MDEQ MSR10 and submit to MDEQ along with a copy of this SWP3.
- Task 2: Make a copy of this SWP3 available onsite, perform storm water training, and mobilize.
- Task 3: Clearly mark the areas of disturbance, no disturbance, and sensitive areas with flagging.
- Task 4: Conduct a pre-construction meeting and review the SWP3 with contractor(s) and obtain required SWP3 signatures. Designate individual responsibilities.
- Task 5: Prior to initiating soil disturbing activities, implement and install the necessary controls in accordance with the Best Management Practices including silt fences and stabilized construction entrances.
- Task 6: Grub and grade areas one at a time while preserving as much native vegetation as possible.
- Task 7: Install asphalt and gravel surfaces starting with one area and then moving to the other. Before or soon after moving to the next area and commencing grubbing and grading activities, the area completed will be surfaced with asphalt or gravel, as appropriate.
- Task 8: Stabilize denuded areas and stockpiles, as required.
- Task 9: Install, maintain and/or move temporary sediment control items as practical with construction operations. Plant temporary seeding, replace salvaged topsoil, and install permanent grassing items, as practical.
- Task 10: Complete final grading and install permanent seeding/sod. Re-vegetate the disturbed surfaces at the end of the project and provide the means for long-term vegetation support and establishment.
- Task 11: Demobilize construction equipment from the site.
- Task 12: Remove temporary sediment control devices when the required vegetation cover has been attained.
- Task 13: Perform site inspections prior to each anticipated storm event to ensure controls are in place and will function properly. At a minimum, conduct weekly inspections throughout the project and post construction until properly stabilized for long-term sustainability.
- Task 14: Submit Request for Termination (RFT) to MDEQ within thirty (30) days of final stabilization.

During the course of this project, the dates of major activities will be recorded and kept with this SWP3. Major activities include project phases start/completion dates, dates stabilization/erosion measures are implemented/repared, spill responses, sedimentation release responses, and timelines for suspended work due to scheduling delays or weather conditions.

10.0 PROJECT INSPECTIONS

In accordance with the MDEQ MSR10 Large Construction General Permit, ACT6, Part S-4 qualified personnel will inspect all of the disturbed areas and erosion controls based upon the following criteria:

- Inspections will be performed prior to each anticipated storm event to ensure controls are in place and will function properly. At a minimum, inspections will be performed weekly for a minimum of four (4) inspections per month.
- Inspections will be performed as is necessary to ensure that appropriate erosion and sediment controls have been properly constructed and maintained and to determine if additional or alternative control measures are required.

Appendix D contains a copy of the MDEQ Storm water Inspection Form to be used. A copy of the completed inspection forms may also be kept in Appendix D.

11.0 NON-STORM WATER DISCHARGES

In accordance with the MDEQ MSR10 Large Construction General Permit, ACT2, Part T-2(2), the following are allowable non-storm water discharges:

- Discharges from actual fire-fighting activities.
- Fire hydrant flushing.
- Water used to control dust.
- Potable water sources including uncontaminated water line flushing.
- Routine external building wash down that does not use detergents.
- Pavement wash waters where spills or leaks of toxic or hazardous materials have not occurred (unless all spilled material has been removed) and where detergents are not used.
- Uncontaminated air conditioning or compressor condensate.
- Uncontaminated groundwater or spring water.
- Foundation or footing drains where flows are not contaminated with process materials such as solvents.
- Uncontaminated exaction dewatering.
- Landscape irrigation.
- Water used to wash vehicles, wheel wash water and other wash waters where detergents are not used.

In accordance with the MDEQ MSR10 Large Construction General Permit, ACT2, Part T-2(3), the following are prohibited non-storm water discharges:

- Wastewater from washout of concrete (unless managed by an appropriate control).
- Wastewater from washout and cleanout of stucco, paint, form release oils, curing compounds, and other construction materials.
- Fuels, oils, or other pollutants used in vehicle and equipment operation and maintenance.
- Soaps or solvents used in vehicle and equipment washing.
- Wastewater from sanitary facilities, including portable toilets.

Anticipated non-storm water discharges for this construction project will be limited to excavation dewatering and equipment wash water. All non-storm water discharges will be kept to a minimum. Equipment wash water will not utilize detergents and all excavation dewatering activities conducted onsite will be filtered with straw/hay bales, filter cloth, or rip rap (if necessary) during discharge to remove sediment.

12.0 RELEASE/NONCOMPLIANCE REPORTING & RESPONSE PLAN

Releases into the environment of hazardous substances, oil, and pollutants or contaminants, which pose a threat to applicable water quality standards or causes a film, sheen, or discoloration of State waters, will be reported to the following:

- Mississippi Emergency Management Agency (MEMA)
(601) 933-6362
(800) 222-6362

Initial spill response will be provided by properly trained and qualified site personnel with the use of booms, absorbents, and site soils. Booms and absorbents will be kept readily available on-site and earthen berms will be constructed with site soils. The first order of response will be the protection of drainage ways and outfalls. In the event of a large spill or release, initial response will be conducted with site personnel to contain the spill or release until an emergency response company can be summoned and arrives onsite.

In accordance with the MDEQ MSR10 Large Construction General Permit, ACT12, Part T-17, anticipated non-compliance will be reported to the MDEQ within ten (10) days and unanticipated non-compliance will be reported to the MDEQ within twenty-four (24) hours of awareness.

As a note, all spills will be responded to and managed in accordance with site procedural requirements.

13.0 STORM WATER DISCHARGE MONITORING

Stormwater Outfalls 013 and 014 for Sedimentation Basins A and B (respectfully) are regulated outfalls under GGNS' existing NPDES permit Number MS0029521. Both outfalls, 013 and 014, are monitored for Total Suspended Solids (TSS) pursuant to the existing NPDES permit.

In accordance with the MDEQ MSR10 Large Construction General Permit, ACT9, Part T-1, monitoring under this permit is strictly voluntary, the results of which are not required to be documented and/or reported. Therefore, no storm water monitoring will be performed for this construction project on this basis.

Additionally, although the Mississippi River has limitations for Chlorides (75 mg/l), Sulfates (120 mg/l), and Total Dissolved Solids (400 mg/l), discharge of storm water runoff with these constituents is not typical for a construction project of this nature. Furthermore, storm water runoff from the construction area will be sufficiently contained by existing Sedimentation Basins A and B. Therefore, no storm water monitoring is planned. However, in the unlikely event that storm water runoff from the construction area is believed to potentially reach the Mississippi River via Hamilton Lake, monitoring will be performed at Outfalls 013 and 014 for the parameters of concern. The same is true in regard to the Mississippi River's approved TMDL's for pesticides (DDT) and toxaphene (established on January 4, 2007).

14.0 REQUEST FOR TERMINATION & RECORDS

In accordance with the MDEQ MSR10 Large Construction General Permit, ACT11, Part S-1, a Request for Termination (ROT) will be submitted within thirty (30) days of final stabilization. Appendix F contains a copy of the ROT form.

In accordance with MDEQ MSR10 Large Construction General Permit, ACT10, Part R-1, information resulting from construction activities will be kept for a minimum period of three (3) years from the date the documents were generated.

15.0 EMPLOYEE TRAINING

All employees working onsite will be familiar with this SWP3. Initial review of this SWP3 will be conducted and refresher training should be conducted, as necessary. Employees responsible for conducting inspections and/or implementing BMP's will receive additional training to ensure they are adequately qualified. Furthermore, training will be conducted anytime there is a modification made to this SWP3. Appendix G contains a copy of the employee training log form and completed training logs.

16.0 REGULATIONS

Refer to Appendix H of this SWP3 for a copy of the MDEQ MSR10 Large Construction General Permit.

APPENDIX A
(Completed & Signed LCNOI)



**LARGE CONSTRUCTION NOTICE OF INTENT (LCNOI)
FOR COVERAGE UNDER THE LARGE CONSTRUCTION
STORM WATER GENERAL NPDES PERMIT MSR10 _____**
(NUMBER TO BE ASSIGNED BY STATE)

INSTRUCTIONS

The Large Construction Notice of Intent (LCNOI) is for coverage under the Large Construction General Permit for land disturbing activities of five (5) acres or greater; or for land disturbing activities, which are part of a larger common plan of development or sale that are initially less than five (5) acres but will ultimately disturb five (5) or more acres. Applicant must be the owner or operator. For construction activities, the operator is typically the prime contractor. The owner(s) of the property and the prime contractor associated with regulated construction activity on the property have joint and several responsibility for compliance with the Large Construction Storm Water General Permit MSR10.

Completed LCNOIs should be filed at least thirty (30) days prior to the commencement of construction. Discharge of storm water from large construction activities without written notification of coverage is a violation of state law.

Submittals with this LCNOI must include:

- A site-specific Storm Water Pollution Prevention Plan (SWPPP) developed in accordance with ACT5 of the General Permit
- A detailed site-specific scaled drawing showing the property layout and the features outlined in ACT5 of the General Permit
- A United States Geological Survey (USGS) quadrangle map or photocopy, extending at least one-half mile beyond the facility property boundaries with the site location and outfalls outlined or highlighted. The name of the quadrangle map must be shown on all copies. Quadrangle maps can be obtained from the MDEQ, Office of Geology at 601-961-5523.

Additional submittals may include the following, if applicable:

- Appropriate Section 404 documentation from U.S. Army Corps of Engineers
- Appropriate documentation concerning future disposal of sanitary sewage and sewage collection system construction
- Appropriate documentation from the MDEQ Office of Land & Water concerning dam construction and low flow requirements
- Approval from County Utility Authority in Hancock, Harrison, Jackson, Pearl River and Stone Counties

ALL QUESTIONS MUST BE ANSWERED (Answer "NA" if the question is not applicable)

APPLICANT IS THE: ☒ OWNER ☐ PRIME CONTRACTOR (Must check one or both)

OWNER INFORMATION

OWNER CONTACT PERSON: Mr. Charles Sheppard

OWNER COMPANY NAME: Entergy Operations, Inc.

OWNER STREET OR P.O. BOX: Post Office Box 756

OWNER CITY: Port Gibson STATE: Mississippi ZIP: 31950

OWNER PHONE # (INCLUDE AREA CODE): (601) 437-7312

PRIME CONTRACTOR INFORMATION

PRIME CONTRACTOR CONTACT PERSON: Mr. Pete Dillon

PRIME CONTRACTOR COMPANY: Shaw / Stone & Webster Construction

PRIME CONTRACTOR STREET OR P.O. BOX: 4171 Essen Lane

PRIME CONTRACTOR CITY: Baton Rouge STATE: LA ZIP: 70809

PRIME CONTRACTOR PHONE # (INCLUDE AREA CODE): 601-437-6905

PROJECT INFORMATION

PROJECT NAME: EPU Material Storage / Lay-Down Area Construction Project

TOTAL ACREAGE THAT WILL BE DISTURBED¹: 12.14

IS THIS PART OF A LARGER COMMON PLAN OF DEVELOPMENT?

☐ YES

☒ NO

IF YES, NAME OF LARGER COMMON PLAN OF DEVELOPMENT: _____

_____ AND PERMIT COVERAGE NUMBER: _____

DESCRIPTION OF CONSTRUCTION ACTIVITY: Grubbing, grading, and surfacing (asphalt and gravel)

PROPOSED DESCRIPTION OF PROPERTY USE AFTER CONSTRUCTION HAS BEEN COMPLETED (Include standard industrial classification code (SIC) if known):

Employee and worker parking and storage of truck/trailer rigs, various supplies, moisture separator heaters, and high pressure motors. SIC Code _____

PHYSICAL SITE ADDRESS (If the physical address is not available indicate the nearest named road. For linear projects, indicate the beginning of the project and identify all counties the project traverses.)

STREET: Grand Gulf Road

CITY: Port Gibson

COUNTY: Claiborne

ZIP: 39150

LATITUDE: 32 degrees 00 minutes 36.9 seconds LONGITUDE: -91 degrees 03 minutes 3.25 seconds

LAT & LONG DATA SOURCE (GPS (Please GPS Project Entrance/Start Point) or Map Interpolation): Map Interpolation

NEAREST NAMED RECEIVING STREAM: Hamilton Lake

IS RECEIVING STREAM ON MISSISSIPPI'S 303(d) LIST OF IMPAIRED WATER BODIES? (The 303(d) list of impaired waters and TMDL stream segments may be found on MDEQ's web site: http://www.deq.state.ms.us/MDEQ.nsf/page/TWB_Total_Maximum_Daily_Load_Section)

☐ YES

☒ NO

HAS A TMDL BEEN ESTABLISHED FOR THE RECEIVING STREAM SEGMENT?

☒ YES

☐ NO

ARE THERE RECREATIONAL STREAMS, PRIVATE/PUBLIC PONDS OR LAKES WITHIN 1/4 MILE DOWNSTREAM OF PROJECT BOUNDARY THAT MAY BE IMPACTED BY THE CONSTRUCTION ACTIVITY?

☐ YES

☒ NO

EXISTING DATA DESCRIBING THE SOIL (for linear projects please describe in SWPPP): Memphis silt loam

(0-2% slopes - MeA), Gullied land (Gu), Memphis & Natchez silt loams (17-40% slopes/eroded - MnF2)

WILL FLOCCULANTS BE USED TO TREAT TURBIDITY IN STORM WATER?

☐ YES

☒ NO

IF YES, INDICATE THE TYPE OF FLOCCULANT.

☐ ANIONIC POLYACRYLAMIDE (PAM)

☐ OTHER _____

IF YES, DOES THE SWPPP DESCRIBE THE METHOD OF INTRODUCTION, THE LOCATION OF INTRODUCTION AND THE LOCATION OF WHERE FLOCCULATED MATERIAL WILL SETTLE?

☐ YES

☐ NO

¹Acreage for subdivision development includes areas disturbed by construction of roads, utilities and drainage. Additionally, a housesite of at least 10,000 ft² per lot (entire lot, if smaller) shall be included in calculating acreage disturbed.

DOCUMENTATION OF COMPLIANCE WITH OTHER REGULATIONS/REQUIREMENTS

COVERAGE UNDER THIS PERMIT WILL NOT BE GRANTED UNTIL ALL OTHER REQUIRED
MDEQ PERMITS AND APPROVALS ARE SATISFACTORILY ADDRESSED

IS LCNOI FOR A FACILITY THAT WILL REQUIRE OTHER PERMITS?

☐ YES

☒ NO

IF YES, CHECK ALL THAT APPLY:

☐ AIR

☐ HAZARDOUS WASTE

☐ PRETREATMENT

☐ WATER STATE OPERATING

☐ INDIVIDUAL NPDES

☐ OTHER: _____

IS THE PROJECT REROUTING, FILLING OR CROSSING A WATER CONVEYANCE
OF ANY KIND? (If yes, contact the U.S. Army Corps of Engineers' Regulatory Branch for
permitting requirements.)

☐ YES

☒ NO

IF THE PROJECT REQUIRES A CORPS OF ENGINEER SECTION 404 PERMIT, PROVIDE APPROPRIATE
DOCUMENTATION THAT:

- The project has been approved by individual permit, or
- The work will be covered by a nationwide permit and NO NOTIFICATION to the Corps is required, or
- The work will be covered by a nationwide or general permit and NOTIFICATION to the Corps is required

IS A LAKE REQUIRING THE CONSTRUCTION OF A DAM BEING PROPOSED?
(If yes, provide appropriate approval documentation from MDEQ Office of Land and
Water, Dam Safety.)

☐ YES

☒ NO

IF THE PROJECT IS A SUBDIVISION OR A COMMERCIAL DEVELOPMENT, HOW WILL SANITARY SEWAGE
BE DISPOSED? Check one of the following and attach the pertinent documents.

- ☐ Existing Municipal or Commercial System. Please attach plans and specifications for the collection system and the associated "Information Regarding Proposed Wastewater Projects" form or approval from County Utility Authority in Hancock, Harrison, Jackson, Pearl River and Stone Counties. If the plans and specifications can not be provided at the time of LCNOI submittal, MDEQ will accept written acknowledgement from official(s) responsible for wastewater collection and treatment that the flows generated from the proposed project can and will be transported and treated properly. The letter must include the estimated flow.
- ☐ Collection and Treatment System will be Constructed. Please attach a copy of the cover of the NPDES discharge permit from MDEQ or indicate the date the application was submitted to MDEQ (Date: _____.)
- ☐ Individual Onsite Wastewater Disposal Systems for Subdivisions Less than 35 Lots. Please attach a copy of the Letter of General Acceptance from the Mississippi State Department of Health or certification from a registered professional engineer that the platted lots should support individual onsite wastewater disposal systems.
- ☐ Individual Onsite Wastewater Disposal Systems for Subdivisions Greater than 35 Lots. A determination of the feasibility of installing a central sewage collection and treatment system must be made by MDEQ. A copy of the response from MDEQ concerning the feasibility study must be attached. If a central collection and wastewater system is not feasible, then please attach a copy of the Letter of General Acceptance from the State Department of Health or certification from a registered professional engineer that the platted lots should support individual onsite wastewater disposal systems.

INDICATE ANY LOCAL STORM WATER ORDINANCE WITH WHICH THE PROJECT MUST COMPLY:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated 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.



Signature of Applicant¹ (owner or prime contractor)

4/27/11

Date Signed

MICHAEL PERITO

Printed Name¹

VICE PRESIDENT - OPERATIONS

Title

¹This application shall be signed as follows:

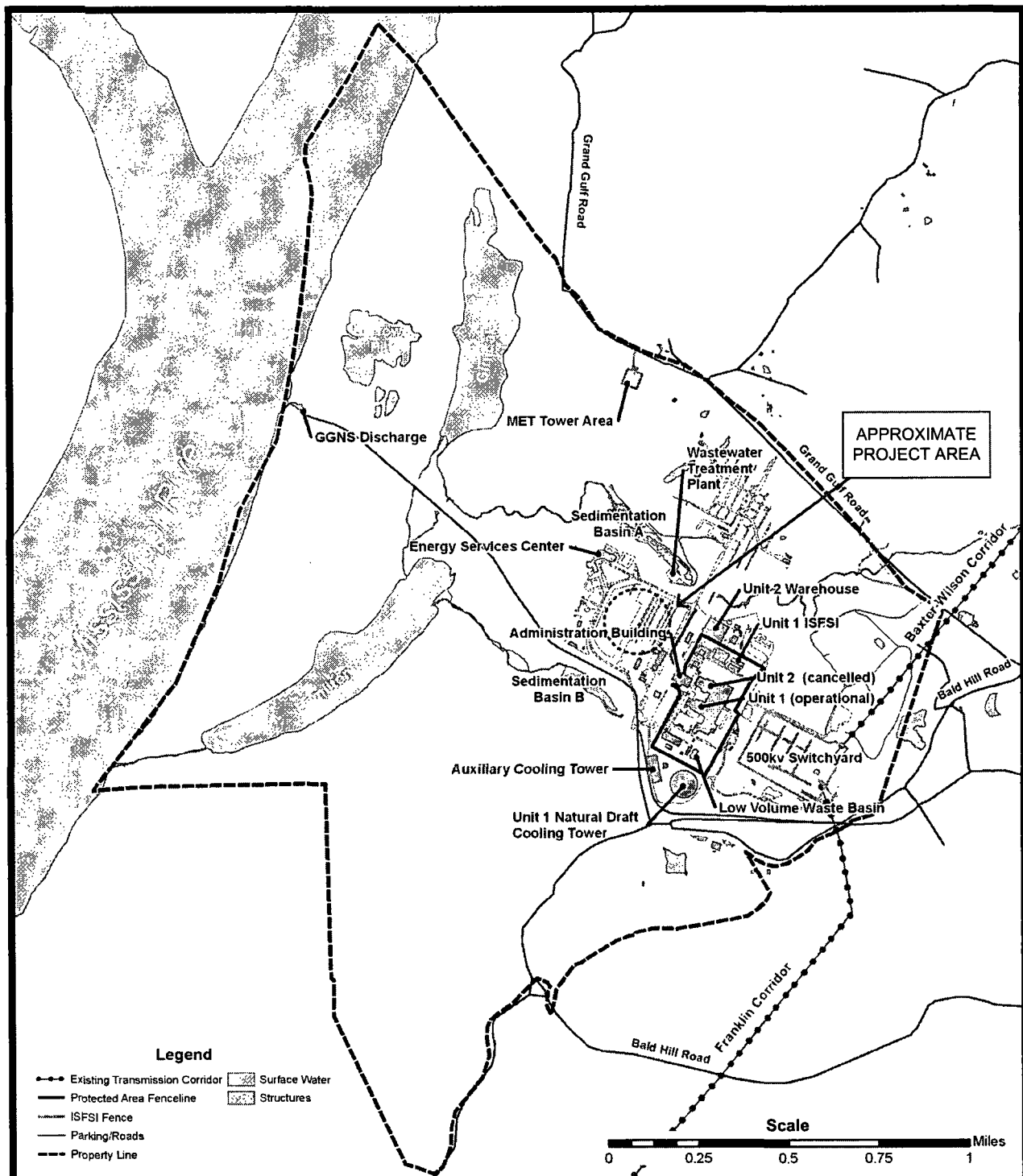
- For a corporation, by a responsible corporate officer.
- For a partnership, by a general partner.
- For a sole proprietorship, by the proprietor.
- For a municipal, state or other public facility, by principal executive officer, mayor, or ranking elected official.

Please submit the LCNOI form to:

Chief, Environmental Permits Division
MS Department of Environmental Quality, Office of Pollution Control
P.O. Box 2261
Jackson, Mississippi 39225

Revised 12/16/10

APPENDIX B
(Site Figures)



Entergy Operations, Inc.
EPU Material Storage/Lay-Down Area
Construction Project
Port Gibson, Claiborne County, Mississippi



ENERCON

Figure 1

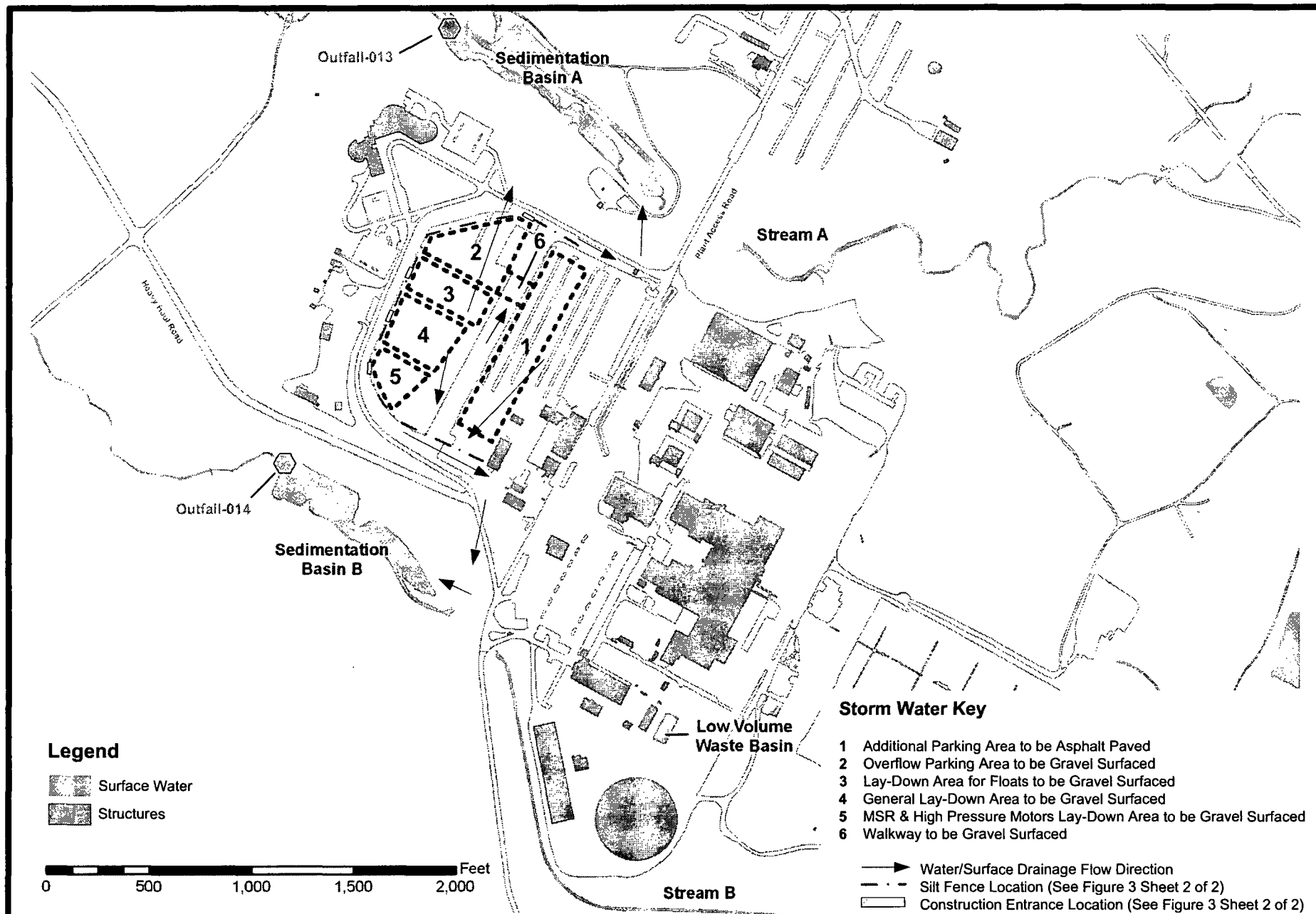
Project Vicinity Map

PROJECT NO: ENTGGG091

3-10-2011



APPENDIX C
(Erosion and Sediment Control Plan)



Entergy Operations, Inc.
 EPU Material Storage/Lay-Down Area
 Construction Project
 Port Gibson, Claiborne County, Mississippi



ENERCON

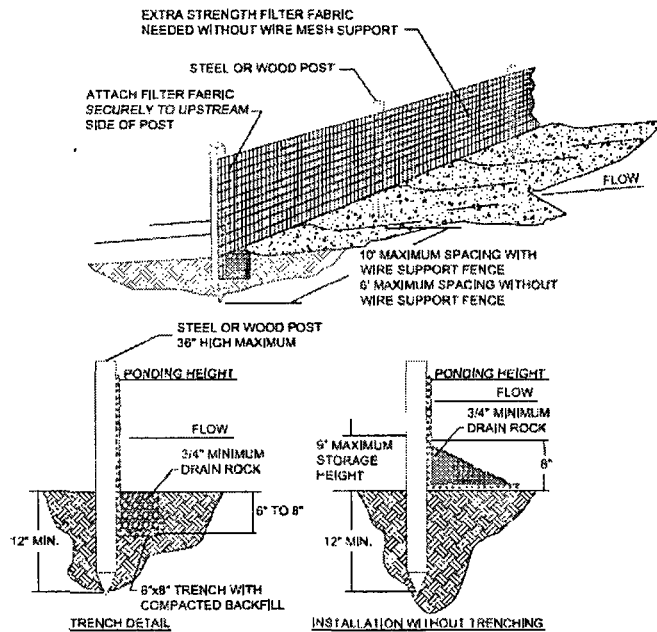
Figure 3 - Site Map and Erosion/Sediment Control Plan, Sheet 1 of 2

PROJECT NO: ENTGGG091

3-10-2011

DETAIL-A

TYPICAL SILT FENCE DETAIL



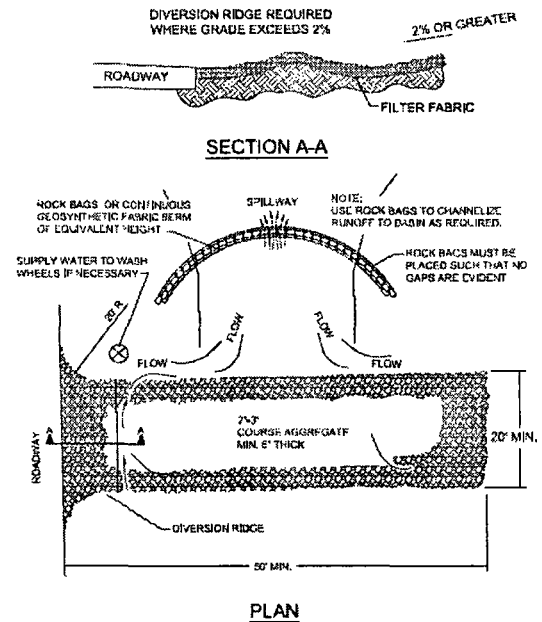
NOTES:

1. SILT FENCE AND HAY BALE BARRIER MUST BE INSTALLED PROPERLY TO AVOID NOTICE OF VIOLATION.
2. SILT FENCE AND HAY BALE BARRIER SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE EFFICIENCY.
3. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY, 9" MAXIMUM RECOMMENDED STORAGE HEIGHT.
4. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE TO SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.
5. HAY BALE BARRIER TO BE PLACED IN A ROW WITH THE ENDS TIGHTLY ABUTTING.
6. KEY IN HAY BALE BARRIER TO PREVENT EROSION OR FLOW UNDER BALES.

Not to scale

DETAIL-B

TYPICAL CONSTRUCTION ENTRANCE



NOTES:

1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.
4. ROCK BAGS OR SANDBAGS SHALL BE PLACED SUCH THAT NO GAPS ARE EVIDENT.

Entergy Operations, Inc.
EPU Material Storage/Lay-Down Area
Construction Project
Port Gibson, Claiborne County, Mississippi



Figure 3

Site Map and Erosion/Sediment Control
Plan, Sheet 2 of 2

PROJECT NO: ENTGGG091

3-10-2011

APPENDIX D
(MDEQ Storm Water Inspection Form & Completed Inspection Forms)

Keep a Copy Available at the Permitted Facility or Locally Available
Submit the Inspection Reports Only if Requested by the Mississippi Department of Environmental Quality (MDEQ)

**LARGE CONSTRUCTION GENERAL PERMIT
SITE INSPECTION AND CERTIFICATION FORM
COVERAGE NUMBER (MSR10 _____)**



INSTRUCTIONS

Results of construction storm water inspections required by ACT6 of this permit shall be recorded on this report form and kept with the Storm Water Pollution Prevention Plan (SWPPP) in accordance with the inspection documentation provisions of ACT10 of the this permit. Inspections shall be performed at least weekly for a minimum of four inspections per month. The coverage number must be listed at the top of all Inspection and Certification Forms.

COVERAGE RECIPIENT INFORMATION

OWNER/PRIME CONTRATOR NAME: _____
PROJECT NAME: _____
PROJECT STREET ADDRESS: _____
PROJECT CITY: _____ PROJECT COUNTY: _____
OWNER/PRIME CONTRACTOR MAILING ADDRESS: _____
MAILING CITY: _____ STATE: _____ ZIP: _____
CONTACT PERSON: _____ CONTACT PHONE NUMBER: (____) _____

INSPECTION DOCUMENTATION

DATE (mo/day/yr)	TIME (hr:min AM/PM)	ANY DEFICIENCIES? (CHECK IF YES)	INSPECTOR(S)
		<input type="checkbox"/>	
		<input type="checkbox"/>	
		<input type="checkbox"/>	
		<input type="checkbox"/>	
		<input type="checkbox"/>	
		<input type="checkbox"/>	

Deficiencies Noted During any Inspection (give date(s); attach additional sheets if necessary): _____

Corrective Action Taken or Planned (give date(s); attach additional sheets if necessary): _____

Based upon this inspection, which I or personnel under my direct supervision conducted, I certify that all erosion and sediment controls have been implemented and maintained, except for those deficiencies noted above, in accordance with the Storm Water Pollution Prevention Plan (SWPPP) and sound engineering practices as required by the above referenced permit. I further certify that the LCNOI and SWPPP information is up to date.

I certify under penalty of law that this document and all attachments were prepared under my 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 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 fines and imprisonment for knowing violations.

Authorized Signature _____

Date _____

Printed Name _____

Title _____

Revised: 12/16/10

APPENDIX E
(SWP3 Amendment Log Form)



EPU Material Storage/Lay-Down Area Construction Project

[illegible]

APPENDIX F
(Request for Termination Form & Completed Form)

Request for Termination (RFT) of Coverage



LARGE CONSTRUCTION GENERAL PERMIT
Coverage No. MSR10 _____ County _____
(Fill in your Certificate of Coverage Number and County)

This form must be submitted within thirty (30) days of achieving final stabilization (see ACT13, T-13 of general permit). Failure to submit this form is a violation of permit conditions.

The signatory of this form must be the owner or operator (prime contractor) who is the current coverage recipient (rather than the project manager or environmental consultant).

(Please Print or Type)

Project Name: _____
Physical Site Street Address (if not available, indicate nearest named road): _____
City: _____ County: _____ Zip: _____
Coverage Recipient Company Name: _____
Street Address / P.O. Box: _____
City: _____ State: _____ Zip: _____
Coverage Recipient Contact Name and Position: _____ Tel. #: (____) _____

Has another owner(s) or operator(s) assumed control over all areas of the site that have not reached final stabilization?

RESIDENTIAL SUBDIVISIONS:

- ☐ YES. A copy of the Registration Form for Residential Lot Coverage for each lot or out parcel that has been sold and a site map, indicating which lots have been sold, are attached.
- ☐ NO. Coverage may not be terminated until all areas have reached final stabilization.

COMMERCIAL DEVELOPMENT:

- ☐ YES. A copy of the site map, indicating which out-parcels have been sold, is attached.
- ☐ NO. Coverage may not be terminated until all areas have reached final stabilization.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated 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 fines and imprisonment for knowing violations. I understand that by submitting this Request for Termination and receiving written confirmation, I will no longer be authorized to discharge storm water associated with construction activity under this general permit. Discharging pollutants associated with construction activity to waters of the State without proper permit coverage is a violation of state law. I also understand that the submittal of this Request for Termination does not release an owner or operator from liability for any violations of this permit or the Clean Water Act.

Authorized Name (Print) _____

Telephone _____

Signature _____

Date Signed _____

¹This application shall be signed according to the General Permit, ACT12, T-7 as follows:

- For a corporation, by a responsible corporate officer.
- For a partnership, by a general partner.
- For a sole proprietorship, by the proprietor.
- For a municipal, state or other public facility, by principal executive officer, mayor, or ranking elected official.

After signing please mail to:

Chief, Environmental Permits Division
MS Department of Environmental Quality, Office of Pollution Control
P.O. Box 2261
Jackson, Mississippi 39225

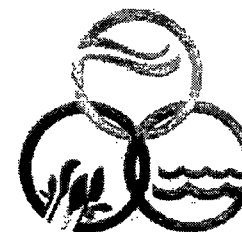
Revised: 12/21/10

APPENDIX G
(Employee Training Log Form & Completed Training Logs)

APPENDIX H
(MDEQ MSR10 Large Construction General Permit)



State of Mississippi
Mississippi Department of Environmental Quality
Office of Pollution Control



LARGE CONSTRUCTION GENERAL PERMIT
FOR LAND DISTURBING ACTIVITIES OF FIVE (5) OR MORE ACRES

THIS CERTIFIES THAT

**PROJECTS ISSUED A CERTIFICATE OF COVERAGE UNDER THIS PERMIT ARE GRANTED
PERMISSION TO DISCHARGE STORM WATER FROM REGULATED CONSTRUCTION ACTIVITIES
INTO STATE WATERS**

in accordance with effluent limitations, inspection requirements and other conditions set forth in herein. 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

Authorized Signature

Mississippi Department of Environmental Quality

Issued: January 11, 2011

Expires: December 31, 2015

Permit No. MSR10

AI 24066

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Large Construction Storm Water General Permit

Page 1 of 45

ACT1 (LCGP) Introduction:

Narrative Requirements:

Condition No.	Condition
T-1	The Large Construction General Permit (LCGP) authorizes storm water discharges from construction activities five (5) acres or greater or less than five (5) acres if part of a "larger common plan of development or sale" (see Definitions). Storm water discharges that enter waters of the State or storm water conveyance systems leading to waters of the State are subject to regulation and compliance with the conditions set forth in this permit. This permit also authorizes storm water discharges from any other construction activity designated by the Executive Director based on the potential for contribution to an excursion of a water quality standard or for significant contribution of pollutants to waters of the State. This permit replaces the previous Large Construction General Permit that expired on May 31, 2010. [WPC-1]

ACT2 (LCGP) Permit Applicability and Coverage:

Narrative Requirements:

Condition No.	Condition
T-1	<p>PERMIT AREA:</p> <p>The Large Construction General Permit covers all areas of the State of Mississippi. [WPC-1]</p>
T-2	<p>ELIGIBILITY:</p> <p>(1) Discharges composed entirely of storm water and allowable non-storm water discharges (see ACT5, T-14 for additional requirements) from construction activity, including clearing, grading, excavating and other land disturbing activities of five (5) or more acres or less than five (5) acres if part of a "larger common plan of development or sale" (see Definitions).</p> <p>(2) Allowable Non-Storm Water Discharges:</p> <p>(A) Discharges from actual fire-fighting activities</p> <p>(B) Fire hydrant flushing</p> <p>(C) Water used to control dust</p> <p>(D) Potable water sources including uncontaminated water line flushing</p> <p>(E) Routine external building wash down that does not use detergents</p> <p>(F) Pavement wash waters where spills or leaks of toxic or hazardous materials have not occurred (unless all spilled material has been removed) and where detergents are not used</p> <p>(G) Uncontaminated air conditioning or compressor condensate</p> <p>(H) Uncontaminated ground water or spring water</p> <p>(I) Foundation or footing drains where flows are not contaminated with process materials such as solvents</p> <p>(J) Uncontaminated excavation dewatering</p> <p>(K) Landscape irrigation</p> <p>(L) Water used to wash vehicles, wheel wash water and other wash waters where detergents are not used. [WPC-1]</p>

ACT2 (continued):**Narrative Requirements:**

Condition No.	Condition
T-3	<p>ELIGIBILITY (continued):</p> <p>(3) Prohibited Non-Storm Water Discharges:</p> <ul style="list-style-type: none">(A) Wastewater from washout of concrete (unless managed by an appropriate control)(B) Wastewater from washout and cleanout of stucco, paint, form release oils, curing compounds and other construction materials(C) Fuels, oils, or other pollutants used in vehicle and equipment operation and maintenance(D) Soaps or solvents used in vehicle and equipment washing(E) Wastewater from sanitary facilities, including portable toilets <p>(4) A project is eligible for coverage under this general permit for discharges of pollutants of concern to water bodies for which there is a Total Maximum Daily Load (TMDL) established or approved by the Environmental Protection Agency (EPA) if measures and controls are incorporated that are consistent with the assumptions and requirements of such TMDL. To be eligible for coverage under this general permit, the project must incorporate in the Storm Water Pollution Prevention Plan (SWPPP) and/or effluent limitation any conditions applicable to any discharge(s) necessary for consistency with the assumptions and requirements of such TMDL. If, after coverage issuance, a specific wasteload allocation is established that would apply to the project's discharge, the project must implement steps necessary to meet that allocation within six (6) months from the final TMDL approval date. MDEQ's approved TMDL list may be found at the link listed in paragraph (5) below. In addition, MDEQ's Planning & Design Manual for the Control of Erosion, Sediment and Storm Water identifies specific controls that may be used to address consistency with any applicable TMDLs. The manual can be found at: http://www.deq.state.ms.us/MDEQ.nsf/page/epd_epdgeneral.</p> <p>(5) A project is eligible for coverage under this general permit for discharges of storm water to impaired water bodies on MDEQ's 303(d) list, provided best management practices (BMPs) are employed that prohibit further impairment of the designated and/or existing beneficial uses in the receiving water body. To be eligible for coverage under this general permit, the owner/operator must indicate on the LCNOI that the project discharges to a 303(d) listed receiving water and incorporate appropriate BMPs in its SWPPP. MDEQ's 303(d) list of impaired water bodies may be found on MDEQ's website at: http://www.deq.state.ms.us/MDEQ.nsf/page/TWB_Total_Maximum_Daily_Load_Section. [WPC-1]</p>

ACT2 (continued):**Narrative Requirements:**

Condition No.	Condition
T-4	<p>THIS PERMIT DOES NOT AUTHORIZE:</p> <p>(1) Discharges which result in violation of State Water Quality Standards. If a discharge authorized under this permit is later determined to cause or have the reasonable potential to cause or contribute to the violation of an applicable water quality standard, MDEQ will notify the regulated entity of such water quality violation(s) in writing and will provide the information used by MDEQ to make this determination. The regulated entity must take all necessary actions required to ensure future discharges do not cause or contribute to the violation of a water quality standard. If such violations remain or re-occur, then additional measures, such as the addition of Best Management Practices (BMPs) or the requirement to obtain an individual permit, may be required by the Permit Board. Compliance with this requirement does not preclude any enforcement activity as provided by the Clean Water Act for the underlying violation.</p> <p>(2) Activities that affect waters of the State, including wetlands, without obtaining the necessary U.S. Army Corps of Engineers (COE) approval. This may include a COE individual Section 404 permit or coverage under a COE nationwide or general permit. Appropriate documentation must be submitted with the Large Construction Notice of Intent (LCNOI). [WPC-1]</p>
T-5	<p>(3) Discharges or discharge-related activities that are likely to jeopardize the continued existence of any species that is listed as endangered or threatened under the Endangered Species Act (ESA) or result in the adverse modification or destruction of habitat that is designated as critical under the ESA. Coverage under this permit is available only if the regulated entity's storm water discharges, allowable non-storm water discharges, and discharge-related activities are not likely to jeopardize the continued existence of any species that is listed as endangered or threatened ("listed") under the ESA or result in the adverse modification or destruction of habitat that is designated as critical under the ESA ("critical habitat"). Submission of a signed LCNOI, or County Utility Authority approval, if applicable, will be deemed to constitute the regulated entity's certification of eligibility. [WPC-1]</p>

ACT3 (LCGP) Obtaining Coverage:

Submittal/Action Requirements:

Condition No.	Condition
S-1	<p>OBTAINING AUTHORIZATION:</p> <p>(1) Owners and/or operators (see Definitions) desiring coverage associated with large construction activity under this permit must submit a Large Construction Notice of Intent (LCNOI) and other required submittals in accordance with the requirements of this permit. For construction activities, the operator is typically the Prime Contractor. However, if the prime contractor does not meet the definition of operator, then the owner must apply. The owner may submit the LCNOI and later, prior to actual construction, the operator may submit the Prime Contractor Certification accepting responsibility for applicable permit conditions.</p> <p>The owner(s) of the property and the operator(s) associated with the regulated construction activity on the property have joint and severable responsibility for compliance with the permit. Notwithstanding any permit condition to the contrary, the coverage recipient and any person who causes pollution of waters of the state or places waste in a location where they are likely to cause pollution, shall remain responsible under applicable federal and state laws and regulations, and applicable permits.</p> <p>(2) Upon review of the LCNOI, the MDEQ staff may require additional information (including modification of the SWPPP, which could require the implementation of additional controls), recommend that coverage not be granted and/or that an alternate permit would be more appropriate. The MDEQ staff recommendations may be brought before the Mississippi Environmental Quality Permit Board (Permit Board) for review and consideration at a regularly scheduled meeting or at a special meeting at its discretion.</p> <p>(3) Coverage under this permit will not be granted until all other required MDEQ permits, certifications and approvals are satisfactorily addressed.</p> <p>(4) Owners or operators are authorized to discharge storm water associated with large construction activity under the terms and conditions of this permit only upon receipt of written notification of approval of coverage by the Permit Board staff. Discharge of storm water without written notification of coverage under this permit or issuance of an individual National Pollutant Discharge Elimination System (NPDES) Storm Water Permit is a violation of the Mississippi Air and Water Pollution Control Law 49-17-29(2)(b). [WPC-1]</p>

ACT3 (continued):

Submittal/Action Requirements:

Condition
No.

Condition

S-2 REQUIRING AN INDIVIDUAL PERMIT OR ALTERNATIVE GENERAL PERMIT:

(1) The Permit Board may require any coverage recipient to apply for and obtain either an individual or an alternative general NPDES permit. Any interested person may petition the Permit Board to take action under this paragraph. The Permit Board may require any coverage recipient to apply for an individual NPDES permit only if the owner or operator has been notified in writing. Such notice shall include reasons for this decision, an application form and a filing deadline. The Permit Board may grant additional time at its discretion, upon request. If a coverage recipient fails to submit a requested application in a timely manner, coverage under this permit will automatically terminate at the end of the day specified for application submittal.

(2) Any coverage recipient may request to be excluded from permit coverage by applying for an individual permit or coverage under another general permit. The applicant shall submit an individual application (EPA Forms 1 and 2F along with the narrative requirements of 40 CFR 122.26(c)(1)(ii)) or the appropriate Notice of Intent.

(3) Coverage under this permit is automatically terminated on the issuance date of the respective alternative individual permit or general permit coverage. When the request for an alternative individual permit or general permit coverage is denied, coverage under this permit continues unless terminated by the Permit Board. [WPC-1]

S-3 HOW TO OBTAIN RECOVERY UNDER THE REISSUED PERMIT:

If reissuance of this permit does not occur before its expiration date, continued coverage under this permit will be allowed until the effective date of the reissued general permit coverage. Once the Large Construction General Permit is reissued, active coverage recipients will receive a Recovery Form with a Letter of Instruction. If a coverage recipient wishes to be covered by the reissued Large Construction General Permit, the Recovery Form must be completed and returned to the MDEQ in accordance with the provisions of the Letter of Instruction. Resubmittal of the Storm Water Pollution Prevention Plan (SWPPP) is not required if the SWPPP is on-site or locally available, current and adequately addresses the sources of pollution at the facility. Some SWPPP's may require amendment to meet the conditions of the reissued general permit (i.e., modification of sediment basin outfall design). [WPC-1]

ACT3 (continued):**Submittal/Action Requirements:**

Condition No.	Condition
S-4	<p>COMMERCIAL DEVELOPMENT - INDIVIDUAL LOTS OR PARCELS:</p> <p>Individual lots or parcels within a commercial development that are part of the "larger common plan of development or sale" (see Definitions) are regulated regardless of size or owner. If the owner or developer obtains construction permit coverage for a development then sells lots or parcels within that development, permit coverage must continue on those areas under new ownership. The original coverage recipient is responsible for all construction activities until individual lots or parcels within the development are sold to others and the new owner submits a LCNOI and obtains coverage under Mississippi's Large Construction General Permit or applies for an individual permit. [WPC-1]</p>
S-5	<p>RESIDENTIAL SUBDIVISION - INDIVIDUAL LOTS:</p> <p>Individual lots within a residential subdivision that are part of the "larger common plan of development or sale" (see Definitions) are regulated regardless of size or ownership. If the owner or developer obtains construction permit coverage for a residential development, then sells individual lots within that development, permit coverage shall continue on those lots under new ownership. The original coverage recipient may retain responsibility for permit compliance, or the new owner (purchaser) or operator shall satisfy authorization requirements by:</p> <ul style="list-style-type: none"> (1) Completing and submitting the MDEQ Registration Form (see Large Construction Forms Package) and developing and implementing a sediment and erosion control plan for the specific lot(s), or (2) Completing and submitting for approval from the MDEQ, a LCNOI and required documents, or (3) Applying for an individual storm water permit. <p>The owner or developer (seller) is responsible for providing the new owner or operator (purchaser) with a copy of the MDEQ Registration Form and a copy of the Large Construction General Permit. These documents, as well as the individual application, may be found on MDEQ's website at www.deq.state.ms.us or by calling 601-961-5171. [WPC-1]</p>
S-6	<p>RESIDENTIAL SUBDIVISION - EXPANSIONS:</p> <p>For subsequent phases, expansions and major modifications of subdivision development that are proposed but were not included in the original SWPPP, the coverage recipient shall submit to MDEQ the Major Modification Form (see Large Construction Forms Package). [WPC-1]</p>

ACT3 (continued):

Submittal/Action Requirements:

Condition No.	Condition
S-7	<p>RESIDENTIAL SUBDIVISION - NEW PHASES AND NEW OWNER:</p> <p>If an individual, other than the original developer (coverage recipient), proposes construction of a new phase of an existing subdivision and the proposed phase was not included in the initial submittal of the LCNOI, the new owner or operator must apply for separate permit coverage. [WPC-1]</p>
S-8	<p>APPLICABILITY OF REQUIREMENTS FOR INDIVIDUAL LOTS AND PARCELS IN A LARGER COMMON PLAN OF DEVELOPMENT OR SALE:</p> <p>The original coverage recipient remains responsible for compliance with this general permit until a new owner or operator satisfies the requirements of S-4 and S-5 of this ACT. [WPC-1]</p>

ACT4 (LCGP) Large Construction Notice of Intent (LCNOI):

Submittal/Action Requirements:

Condition No.	Condition
S-1	<p>DEADLINES FOR NOTIFICATION:</p> <p>Persons desiring coverage for a storm water discharge associated with construction activity under this general permit must submit a LCNOI Form with the required submittals. The LCNOI should be submitted at least 30 days prior to the commencement of construction activities. Discharge of storm water without written notification of coverage under this permit or issuance of an individual National Pollutant Discharge Elimination System (NPDES) Storm Water Permit is a violation of the Mississippi Air and Water Pollution Control Law 49-17-29(2)(b). [WPC-1]</p>
S-2	<p>REQUIRED SUBMITTALS WITH THE LCNOI:</p> <p>Submittals required with a completed LCNOI include a site-specific SWPPP associated with the construction activities, a United States Geological Survey (USGS) quad map, or photocopy, extending at least 1/2 mile beyond the facility property boundaries with the site location outlined or highlighted. [WPC-1]</p>
S-3	<p>ADDITIONAL SUBMITTALS MAY INCLUDE THE FOLLOWING:</p> <ul style="list-style-type: none"> (1) Appropriate Section 404 documentation from U.S. Army Corps of Engineers, (2) Appropriate documentation concerning future disposal of sanitary sewage and sewage collection system construction, (3) Appropriate documentation from the MDEQ Office of Land & Water concerning dam construction and low flow requirements, and/or (4) Approval from County Utility Authority in Hancock, Harrison, Jackson, Pearl River and Stone Counties in the form of a signed certification by the official responsible for the wastewater treatment facility that will serve the proposed project. [WPC-1]
S-4	<p>ADDITIONAL NOTIFICATION:</p> <p>The covered owner or operator must notify the Permit Board at least 30 days before any planned changes of ownership or whenever there are any changes in information previously submitted in the LCNOI Form. [WPC-1]</p>

ACT4 (continued):

Submittal/Action Requirements:

Condition No.	Condition
S-5	<p>MODIFICATION NOTIFICATION:</p> <p>The coverage recipient must notify the Permit Board at least 30 days before:</p> <ul style="list-style-type: none"> (1) Any planned changes in project operations that may effect storm water discharges, (2) Any planned changes of ownership, or (3) Any changes in information previously submitted in the LCNOI. [WPC-1]
S-6	<p>MAJOR MODIFICATION NOTIFICATION:</p> <p>(1) The following activities require the submittal of a Major Modification Form. This form can be found in the Large Construction Forms Package, which can be obtained from MDEQ at the address given in T-2 of this ACT or from the MDEQ website at www.deq.state.ms.us.</p> <ul style="list-style-type: none"> (A) SWPPP details have been developed and are ready for MDEQ review for subsequent phases of an existing, covered project. (B) Footprint identified in the original LCNOI is proposed to be enlarged (a modified SWPPP and an updated USGS topographic map must be submitted with the Major Modification Form). <p>(2) Coverage recipients are authorized to implement the proposed modifications, under the conditions of the General Permit, only upon receipt of written notification of approval by the MDEQ.</p> <p>(3) Proposed changes may require termination of the General Permit coverage and/or application for an individual or alternative general permit. [WPC-1]</p>

ACT4 (continued):

Narrative Requirements:

Condition No.	Condition
T-1	<p>WHERE TO OBTAIN LCNOI FORMS:</p> <p>LCNOI Forms may be obtained from the MDEQ at the address shown below or by calling 601-961-5171. LCNOI Forms, as well as the general permit and guidance manual, may be found on the MDEQ web site at www.deq.state.ms.us. Coverage under this permit will not be granted until all other required MDEQ permits, certifications and approvals are satisfactorily addressed. [WPC-1]</p>
T-2	<p>WHERE TO SUBMIT THE LCNOI:</p> <p>Complete and appropriately signed LCNOI Forms must be submitted to:</p> <p>Chief, Environmental Permits Division Mississippi Department of Environmental Quality Office of Pollution Control P.O. Box 2261 Jackson, Mississippi 39225</p> <p>For priority or overnight deliveries, the physical address is:</p> <p>515 East Amite Street Jackson, Mississippi 39201. [WPC-1]</p>
T-3	<p>FAILURE TO NOTIFY:</p> <p>Persons who discharge storm water associated with Large Construction activity to waters of the State without an NPDES permit are in violation of the Mississippi Air and Water Pollution Control Law 49-17-29(2)(b). [WPC-1]</p>

ACT5 (LCGP) Storm Water Pollution Prevention Plan (SWPPP):**Narrative Requirements:**

Condition No.	Condition
T-1	<p>SWPPP DEVELOPMENT:</p> <p>A site-specific SWPPP shall be developed requiring the design, installation, implementation and maintenance of effective pollution prevention measures by each owner or operator subject to this permit. A SWPPP shall be prepared in accordance with sound engineering practices and shall identify potential sources of pollution, which may reasonably be expected to affect the quality of storm water discharges associated with construction activity. The SWPPP shall describe and ensure the implementation of specific best management practices for the project site, which will reduce pollutants in storm water discharges and assure compliance with the terms and conditions of this permit. [WPC-1]</p>
T-2	<p>SWPPP CONTENT:</p> <p>Erosion and Sediment Controls and Soil Stabilization Requirements:</p> <p>The SWPPP shall list and describe site-specific controls appropriate for the construction activities as well as the procedures for implementing such controls. Controls shall be designed to retain sediment on-site and to minimize the discharge of pollutants. If any of the below controls cannot be implemented on the project site, the SWPPP must include written justification as to why site-specific constraints and/or costs make the control(s) infeasible. At a minimum, such controls must be designed, installed and maintained to:</p> <ol style="list-style-type: none">(1) Control storm water volume and velocity within the site to minimize soil erosion;(2) Control storm water discharges, including both peak flow rates and total storm water volume, to minimize erosion at outlets and to minimize downstream channel and stream bank erosion;(3) Minimize the amount of soil exposed during construction activity;(4) Minimize the disturbance of steep slopes. [WPC-1]

ACT5 (continued):

Narrative Requirements:

Condition No.	Condition
T-3	<p>SWPPP CONTENT (continued):</p> <p>(5) Minimize sediment discharges from the site. The design, installation and maintenance of erosion and sediment controls must address factors such as the amount, frequency, intensity and duration of precipitation, the nature of resulting storm water runoff, and soil characteristics, including the range of soil particle sizes expected to be present on the site;</p> <p>(6) Provide and maintain natural buffers around surface waters, direct storm water to vegetated areas to increase sediment removal and maximize storm water infiltration, unless infeasible; and</p> <p>(7) Minimize soil compaction and, unless infeasible, preserve topsoil;</p> <p>(8) Direct storm water to vegetated areas, brush barriers, silt fences, hay bales, etc. to aid in the filtration, infiltration, velocity reduction and diffusion of the discharge;</p> <p>(9) Transport runoff down steep slopes through lined channels or piping;</p> <p>(10) Minimize the amount of cut and fill, and soil compaction; and</p> <p>(11) Minimize off-site vehicle tracking of sediments. [WPC-1]</p>

ACT5 (continued):**Narrative Requirements:**

Condition No.	Condition
T-4	<p data-bbox="268 583 1971 695">The number and type of BMPs included in the SWPPP must reflect the specific conditions of the construction site. An effective SWPPP includes a combination of BMPs that are designed to work together. A combination of BMPs is listed below and must be included as minimum components of a SWPPP. These controls must be in accordance with the design standards set forth in the most current edition of the " Planning and Design Manual for the Control of Erosion, Sediment & Storm Water" or other recognized manual of design.</p> <p data-bbox="268 728 1971 811">(1) Vegetative Practices shall be designed to preserve existing vegetation where feasible and initiate vegetative stabilization measures after land disturbing activities. Such practices may include, but not limited to, temporary seeding, permanent seeding, mulching, sod stabilization, vegetative buffer strips, tree protection and topsoil preservation.</p> <p data-bbox="268 844 1971 926">Soil stabilization-vegetative stabilization measures must be initiated whenever any clearing, grading, excavating or other land disturbing activities have temporarily or permanently ceased on any portion of the site and will not resume for a period of fourteen (14) days or more. The appropriate temporary or permanent vegetative practices shall be implemented with seven (7) calendar days.</p> <p data-bbox="268 959 1056 984">Specific BMPs that must be included, unless infeasible (see Definitions) are:</p> <p data-bbox="268 1017 1835 1067">(A) Buffer zones (see Definition) shall be maintained between land disturbing activities and perennial water bodies. A minimum 150-foot buffer zone is recommended.</p> <p data-bbox="268 1100 1971 1158">(B) Topsoil should be stockpiled and used in areas that will be re-vegetated. When final grade is reached it should be distributed to a minimum depth of 2 inches on 3:1 slopes and 4 inches on flatter slopes.</p> <p data-bbox="268 1191 1971 1248">(C) Heavy equipment use in areas to be re-vegetated should be avoided. If compaction cannot be avoided, the top 4 inches of the soil bed should be tilled before re-vegetation. Any necessary fertilizer or other soil amendments should be added during the tilling process.</p> <p data-bbox="268 1281 1533 1306">The SWPPP must contain written justification as to why any of these specific controls were not deemed feasible. [WPC-1]</p>

ACT5 (continued):

Narrative Requirements:

Condition No.	Condition
T-5	<p>(2) Structural practices shall divert flows from exposed soils, store flows or otherwise limit runoff from exposed areas. Such practices may include, but are not limited to, construction entrance/exit, silt fences, earth dikes, brush barriers, drainage swales, check dams, subsurface drains, pipe slope drains, level spreaders, drain inlet protection, outlet protection, detention/retention basins, sediment traps, temporary sediment basins or equivalent sediment controls.</p> <p>Specific practices that must be included, unless infeasible, are:</p> <p>(A) For drainage locations (a drainage point at boundary of land disturbing activity) that serve an area with ten (10) or more disturbed acres at one time, a temporary (or permanent) sediment basin providing at least 3600 cubic feet (133 cubic yards) of storage per acre drained shall be provided until final stabilization of the site. Sediment basins must be installed before major site grading and utilize outlet structures that withdraw water from the surface and that are designed for a minimum 2-year, 24-hour storm event. If flocculants are being introduced, sediment basins must be downstream of the point of introduction and include baffles to increase sediment removal efficiency and turbidity reduction.</p> <p>Due to the unique characteristics of linear projects, such as the lack of space within project rights of way and having multiple, distributed discharge points, sedimentation basins are not common practices. Therefore, MDEQ will not require the use of sedimentation basins for linear projects disturbing ten (10) or more acres at one time. Appropriate alternate structural practices, such as sediment traps and check dams, must be included in the SWPPP if sediment basins are deemed infeasible. [WPC-1]</p>
T-6	<p>(B) Steep Slopes (see Definition) that cannot be avoided must have, at a minimum, silt fences or equivalent sediment controls for all down slope boundaries (and for those side slope boundaries deemed appropriate by individual site conditions), unless a sediment basin providing storage for a calculated volume of runoff from a 2-year, 24-hour storm or 3,600 cubic feet of storage per acre drained is provided.</p> <p>(C) Construction entrances/exits shall be installed wherever traffic will be leaving a construction site and moving directly onto a paved public road.</p> <p>(D) Storm Drain Inlets-Inlets that could receive storm water from construction activities shall be protected by surrounding or covering with a filter material until final stabilization has been achieved. [WPC-1]</p>

ACT5 (continued):**Narrative Requirements:**

Condition No.	Condition
T-7	<p>(E) Perimeter Controls-Natural areas shall be maintained and supplemented with silt fence and fiber rolls around project perimeter. If not feasible to maintain natural areas, a silt fence or similar controls, such as fiber rolls, are sufficient.</p> <p>(F) Phasing-Schedule or sequence construction activities so as to concentrate work in certain areas so as to minimize the amount of soil that is exposed at one time.</p> <p>The SWPPP must contain written justification as to why any of these specific controls were not deemed feasible. [WPC-1]</p>
T-8	<p>(3) Facilities discharging into impaired receiving waters (i.e., receiving stream segments which are listed on MDEQ's 303(d) List of Impaired Waters or segments for which a Total Daily Maximum Load (TMDL) has been approved) must identify the pollutant of concern(s) for the receiving stream in the SWPPP. If applicable, the SWPPP shall describe how the selected BMPs will ensure that discharges from the site will not cause or contribute to excursions of the water quality standards in the receiving stream.</p> <p>(4) A description of any post-construction control measures. Post-construction control measures should be installed, as necessary, to control pollutants in storm water after construction is complete. These controls include, but are not limited to, one or more of the following: on-site infiltration of runoff, flow attenuation using open vegetated swales, exfiltration trenches and natural depressions, constructed wetlands and retention/detention structures. Where needed, velocity dissipation devices shall be placed at detention or retention pond outfalls and along the outfall channel to provide for a non-erosive flow.</p> <p>(5) Proposed responsible parties (original coverage recipient or new owner or operator) for individual lots or out-parcels that are part of a larger common plan of development or sale. If permit responsibility is retained by the original coverage recipient, a narrative description of sediment and erosion controls for subdivision lots is acceptable. Out-parcels in commercial developments must be included in the scaled site map referenced below. [WPC-1]</p>
T-9	<p>Housekeeping Practices:</p> <p>The owner or operator shall design, install, implement and maintain practices appropriate to prevent pollutants from entering storm water from construction sites because of poor housekeeping. These practices must be listed in the SWPPP and located on the site map.</p> <p>The owner or operator shall designate and report in the SWPPP areas for equipment maintenance and repair and concrete chute wash off; provide waste receptacles and regular collection of waste; provide adequately maintained sanitary facilities; provide protected storage areas for chemicals, paints, solvents, fertilizers, pesticides, herbicides, detergents and other potentially toxic materials; and implement spill and leak prevention practices and response procedures if spills and leaks do occur; minimize the exposure of building materials, building products, construction wastes, trash and landscape materials. These areas and specific potential pollutants shall be addressed in the SWPPP and located on the scaled site map. [WPC-1]</p>

ACT5 (continued):

Narrative Requirements:

Condition No.	Condition
T-10	<p>Flocculant Application:</p> <p>Flocculants, meeting the criteria contained in ACT8 and used in accordance with manufacturer's instructions, may be incorporated as part of an overall storm water management system. If flocculant application is proposed, the SWPPP must list the proposed flocculants to be used, describe the method, frequency and location of introduction, and identify the location of BMPs where flocculated material will settle. [WPC-1]</p>
T-11	<p>Prepare Scaled Site Map(s):</p> <p>The owner or operator shall prepare a scaled site map showing:</p> <ol style="list-style-type: none"> (1) Boundaries of property and proposed construction activities, noting any phasing of construction activities, (2) Original and proposed contours (if feasible), with steep slopes identified, (3) North arrow, (4) Drainage pattern arrows, (5) Location of sensitive areas, such as wetlands, perennial streams and adjacent receiving water bodies, (6) Location of any storm drain inlets, (7) All erosion and sediment controls (vegetative and structural), (8) Any post-construction control measures, and (9) Location of housekeeping practices. <p>If flocculant application is proposed, the location(s) of the following items shall be marked and labeled on the site map.</p> <ol style="list-style-type: none"> (1) Flocculant introduction point(s), and (2) BMPs where flocculated material will settle. <p>If the construction project is a linear construction project (e.g., pipeline, highway, etc.), a scaled site map is not required, however standard diagrams (e.g., cross sections showing dimensions and labeled components) of erosion and sediment controls to be used must be submitted. [WPC-1]</p>
T-12	<p>Implementation Sequence:</p> <p>The SWPPP shall outline an implementation sequence (including any phasing of construction activities), which coordinates the timing of all major land-disturbing activities together with the necessary erosion and sedimentation control measures planned for the project. [WPC-1]</p>

ACT5 (continued):**Narrative Requirements:**

Condition No.	Condition
T-13	<p>Implementation of Controls:</p> <p>The SWPPP shall require the owner or operator, in disturbing an area, to implement controls as needed to prevent erosion and adverse impacts to waters of the State. [WPC-1]</p>
T-14	<p>Maintenance and Weekly Inspections:</p> <p>The SWPPP shall describe procedures to maintain vegetation, erosion and sediment controls and other protective measures. Procedures shall provide that all controls are inspected weekly for a minimum of four inspections per month in accordance with ACT6, S-4. [WPC-1]</p>
T-15	<p>Non-Storm Water Discharge Management:</p> <p>The SWPPP must identify all allowable sources of non-storm water discharges listed in ACT2, T-2, except for flows from actual fire fighting activities, which are combined with storm water discharges associated with large construction activity. Non-storm water discharges should be eliminated or reduced to the extent feasible. Wash waters must be treated in a sediment basin or alternate control that provides equivalent or better treatment prior to discharge. The SWPPP must identify and ensure the implementation of appropriate Best Management Practices (BMPs) for the non-storm water component of the discharge.</p> <p>The Permit Board staff will review the above discharges on a case by case basis and may require the coverage recipient to apply for and obtain either an individual or an alternative general NPDES permit as provided in ACT3, S-2. [WPC-1]</p>
T-16	<p>Final Stabilization:</p> <p>The SWPPP shall describe procedures to achieve final stabilization (See Definitions) of all disturbed areas of the project site. [WPC-1]</p>

ACT5 (continued):

Narrative Requirements:

Condition No.	Condition
T-17	<p>Example Storm Water Pollution Prevention Plans (SWPPPs):</p> <p>Example SWPPPs are included in the Mississippi Storm Water Pollution Prevention Plan Guidance Manual for Construction Activities as well as the MDEQ Registration Form for Individual Residential Lots</p> <p>The Mississippi Storm Water Pollution Prevention Plan Guidance Manual for Construction Activities is also available online at: http://www.deq.state.ms.us/MDEQ.nsf/pdf/epd_conguidman/\$File/ConstructionGM.pdf</p> <p>The MDEQ Registration Form for Individual Residential Lots is in the Large Construction Forms Package, which is available online at: http://www.deq.state.ms.us/MDEQ.nsf/pdf/epd_Large_Construction_Forms_Package/\$File/LARGE_CONST_FORMS_PACKAGE.pdf</p> <p>US EPA also lists example SWPPPs on their website at: http://cfpub.epa.gov/npdes/stormwater/swppp.cfm#model. [WPC-1]</p>

ACT6 (LCGP) Implementation and Inspection Requirements:

Submittal/Action Requirements:

Condition No.	Condition
S-1	<p>IMPLEMENTATION REQUIREMENTS:</p> <p>The coverage recipient shall:</p> <p>(1) Implement the site-specific SWPPP and retain a copy of the SWPPP at the permitted site. In cases where there is no office or shelter to maintain documents onsite, the SWPPP can be kept locally available (i.e., able to be produced within an hour of being requested by a state or local inspector). Failure to implement the SWPPP is a violation of permit requirements. A copy of the SWPPP must be made available to state or local inspectors for review at the time of an on-site inspection.</p> <p>(2) Implement the following pre-construction activities:</p> <p>(A) Mark off areas of "disturbance", "no disturbance" and "sensitive areas" (i.e., delineate and clearly flag of mark off areas such as steep slopes, highly erodible soils or other sensitive areas),</p> <p>(B) Preserve native topsoil on the site to the extent feasible, and</p> <p>(C) Limit construction stream crossings to the minimum necessary to provide access for the construction project.</p> <p>(3) Ensure that appropriate Best Management Practices (BMPs) are in place upon commencement of construction.</p> <p>(4) Amend the SWPPP if notified at any time by the Executive Director of the MDEQ that the SWPPP does not meet the minimum requirements. Coverage recipient shall certify in writing to the Executive Director that the requested changes have been made. Unless otherwise provided, the requested changes shall be made within fifteen (15) days.</p> <p>(5) Amend the SWPPP whenever there is a change in design, construction, operation, or maintenance which may potentially affect the discharge of pollutants to waters of the State; or the SWPPP proves to be ineffective in controlling storm water pollutants. The amended SWPPP shall be submitted within thirty (30) days of amendment. Coverage recipients shall submit to MDEQ the Major Modification Form (see Large Construction Forms Package) for subsequent phases, expansions and modifications of subdivision development that are proposed but were not included in the original SWPPP. [WPC-1]</p>

ACT6 (continued):

Submittal/Action Requirements:

Condition No.	Condition
S-2	<p>IMPLEMENTATION REQUIREMENTS (continued):</p> <p>(6) Install needed erosion controls even if they may be located in the way of subsequent activities, such as utility installation, grading or construction. It shall not be an acceptable defense that controls were not installed because subsequent activities would require their replacement or cause their destruction.</p> <p>(7) Install additional and/or alternative erosion and sediment controls when existing controls prove to be ineffective in preventing sediment from leaving the site.</p> <p>(8) Comply with applicable State or local waste disposal, sanitary sewer or septic system regulations</p> <p>(9) Erosion and sediment controls shall be maintained at all times. Except for sediment basins, all accumulated sediment shall be removed from structural controls when sediment deposits reach one-third to one-half the height of the control. For sediment basins, accumulated sediment shall be removed when the capacity has been reduced by 50%. All removed sediment deposits shall be properly disposed. Non-functioning controls shall be repaired, replaced or supplemented with functional controls within twenty-four (24) hours of discovery or as soon as field conditions allow.</p> <p>(10) If, after coverage issuance, a specific wasteload allocation is established that would apply to the facility's discharge, the facility must implement steps necessary to meet that allocation. [WPC-1]</p>
S-3	<p>COMPLIANCE WITH LOCAL STORM WATER ORDINANCES:</p> <p>(1) The SWPPP shall be in compliance with all local storm water ordinances.</p> <p>(2) When storm water discharges into an MS4 (municipal separate storm sewer system), the owner or operator shall make the SWPPP available to the local authority and/or allow site access, upon request. [WPC-1]</p>

ACT6 (continued):

Submittal/Action Requirements:

Condition No.	Condition
S-4	<p data-bbox="268 579 636 607">INSPECTION REQUIREMENTS:</p> <p data-bbox="268 637 1967 695">Inspection of all receiving streams (if feasible), outfalls, erosion and sediment controls and other SWPPP requirements shall be performed during permit coverage using a copy of the form provided in the Large Construction Forms Package, and inspections shall be performed by qualified personnel (see Definitions):</p> <p data-bbox="268 725 989 753">(1) At least weekly for a minimum of four inspections per month; and</p> <p data-bbox="268 783 1967 840">(2) As often as is necessary to ensure that appropriate erosion and sediment controls have been properly constructed and maintained and to determine if additional or alternative control measures are required.</p> <p data-bbox="268 870 1967 928">Before conducting the site inspection, the inspector should review Chapter 4, Inspector's Checklist and Troubleshooting Chart found in MDEQ's Field Manual for Erosion and Sediment Control on Construction Sites in Mississippi.</p> <p data-bbox="268 958 1967 1012">MDEQ strongly recommends that coverage recipients perform a "walk through" inspection of the construction site before anticipated storm events to ensure controls are in place and will function properly. [WPC-1]</p>

ACT7 (LCGP) Limitation Requirements:

Limitation Requirements:

Condition No.	Parameter	Condition
L-1		<p>NON-NUMERIC LIMITATION REQUIREMENTS:</p> <p>Storm water discharges shall be free from:</p> <ul style="list-style-type: none"> (1) Debris, oil, scum, and other floating materials other than in trace amounts, (2) Eroded soils and other materials that will settle to form objectionable deposits in receiving waters, (3) Suspended solids, turbidity and color at levels inconsistent with the receiving waters, (4) Chemicals in concentrations that would cause violation of State Water Quality Criteria in the receiving waters. [WPC-1]

ACT8 (LCGP) Application of Flocculants:**Narrative Requirements:**

Condition No.	Condition
T-1	<p>Coverage recipients may need to supplement conventional storm water management systems with flocculants to meet state water quality standards. Flocculants meeting the criteria listed in (1) and (2) below and used in accordance with manufacturer's instructions are approved by this general permit.</p> <p>Any flocculant application, which deviates from the criteria specified below, must receive written approval from MDEQ prior to being implemented. Requests for approval must be in writing and shall describe the deviation, explain the justification for the deviation and provide supporting documentation demonstrating that such deviation will achieve equivalent performance to the criteria listed below. Such requests may be submitted with the LCNOI or under separate cover to the address listed on the LCNOI.</p> <p>(1) Polymer flocculants for treating turbidity in construction site storm water discharges must meet the following minimum criteria.</p> <p>(A) Only anionic Polyacrylamide (PAM) polymer,</p> <p>(B) Polymer shall contain less than 0.05% free acrylamide,</p> <p>(C) Polymer shall be non-toxic to fish and other aquatic organisms, and</p> <p>(D) Polymer shall be selected for site specific soil conditions (i.e., jar test).</p> <p>(2) Systems utilizing polymer flocculants to treat turbidity from construction site storm water discharges must meet the following minimum criteria.</p> <p>(A) Polymer shall be introduced through turbulent mixing into the storm water upstream of sedimentation BMPs,</p> <p>(B) Sedimentation basin shall be constructed in accordance with the criteria specified in ACT5, T-5 (2)(A),</p> <p>(C) Polymer shall be applied in accordance with manufacturer's instructions, and</p> <p>(D) There shall be no discharge of un-dissolved polymer, clumps of polymer and/or unsettled flocculant material. [WPC-1]</p>

ACT9 (LCGP) Optional Monitoring:

Narrative Requirements:

Condition No.	Condition
T-1	<p>Monitoring under this general permit is strictly voluntary, the results of which will not be required to be documented and/or reported.</p> <p>At the time of the issuance of this general permit, the U.S. EPA had temporarily stayed the numeric effluent limit for construction storm water that was prescribed in the December 1, 2009 Effluent Limitation Guidelines and Standards for the Construction and Development Point Source Category Final Rule (ref. Federal Register, Vol. 74, No.229, pages 62996-63058). Accordingly, this general permit does not contain a numeric effluent limit for construction storm water discharges. The optional effluent monitoring provisions of this section are included as guidance to coverage recipients that may be interested in evaluating and optimizing the effectiveness of storm water BMPs in anticipation of a mandatory effluent limit being incorporated in the next general permit re-issuance (scheduled to occur in 2015).</p> <p>The following guidelines were developed based on the above referenced final rule and will likely be the basis of mandatory monitoring requirements of a subsequent general permit re-issuance in the event a final federal numeric effluent limit is promulgated by the expiration date of this general permit. [WPC-1]</p>
T-2	<p>(1) Monitor the turbidity of each storm water discharge from actively disturbed areas of the project site for each work day the discharge occurs. Actively disturbed areas are those portions of the project site that have undergone soil disturbing activities (i.e., clearing, grading, filling, excavating, etc.) and have not been stabilized.</p> <p>(A) Monitoring should be conducted for each point of storm water discharge from the project site. For the purpose of this permit, a discharge point means any discernible, confined, and discrete conveyance, including but not limited to, any pipe, ditch, channel, tunnel, conduit, well, discrete fissure, or container from which storm water and/or pollutants are, or may be, discharged.</p> <p>(B) Diffuse storm water, such as non-channelized flow that infiltrates into a vegetated area, and does not then discharge to surface waters, would not generally require monitoring.</p> <p>(2) Due to the unique characteristics of linear projects, portions may have suspended construction activity and have undergone temporary or final stabilization (see Definitions) while other portions of the same project may have active construction activities. Therefore, in recognition of these unique regulatory circumstances only those areas that have active construction activities will require numeric turbidity monitoring. Those areas that have been completed and stabilized will not require turbidity monitoring. [WPC-1]</p>

ACT9 (continued):**Narrative Requirements:**

Condition No.	Condition
T-3	<p>(4) Sampling:</p> <p>(A) A minimum of three (3) samples per work day, per discharge, should be used to calculate a daily average turbidity value. Samples should be collected so as to be representative of the nature of the discharge over its duration. For example,</p> <p>(i) Collect first sample within the first hour of discharge or within the first hour of the work day.</p> <p>(ii) Collect second sample in the middle of discharge or the middle of the work day.</p> <p>(iii) Collect last sample at the end of discharge or at the end of the work day.</p> <p>(iv) Continue sampling at the start of the next work day if there continues to be a discharge (until discharge ends or end of the work day). These data should be used to calculate a separate daily average.</p> <p>(B) Monitoring samples should be collected at the nearest accessible point after final treatment, but prior to mixing with the receiving water body.</p> <p>(i) Due to the unique characteristics of linear projects, there may be multiple discharge points spaced over a wide geographic area. Therefore, MDEQ will allow representative discharge sampling. For example, representative sampling at certain discharge locations may be representative of the discharge characteristics of other locations within the same sub-watershed. For multiple outfalls that discharge substantially identical effluents, the owner or operator may sample one (or more) of the outfalls and report that data as representative of the other outfalls. At a minimum at least one discharge point per sub-watershed must be monitored and the same or similar controls must be implemented on the different discharge points.</p> <p>(ii) Representative sampling of non-linear projects may be allowed on a case-by-case basis. [WPC-1]</p>

ACT9 (continued):

Narrative Requirements:

Condition No.	Condition
T-4	<p>(C) Monitoring may be accomplished via portable turbidity meters or fixed automated sampling/meter stations.</p> <p>(i) Monitoring should be based on grab samples for portable meters.</p> <p>(ii) Automated samplers should be programmed to yield a minimum of three (3) representative readings per discharge, per day.</p> <p>(iii) Daily turbidity averages should be the average of all monitoring results collected on the day of discharge for the respective discharge point(s). For example, if there were five (5) turbidity readings in a given day, then the average turbidity for that day would be the average of all five (5) readings.</p> <p>(D) Grab samples should be collected according to the following methodology to ensure that each sample is representative of the flow conditions and other characteristics of the discharge.</p> <p>(i) Collect samples from the horizontal and vertical center of the storm water outfall channel(s) or other sources of concentrated flow.</p> <p>(ii) Avoid stirring the bottom sediments in the storm water channel in which samples are taken by not walking through the areas of storm water flow or disturbing the sediment with the sampling device.</p> <p>(iii) Hold sampling container so that the opening faces the upstream direction of the storm water channel in which samples are taken.</p> <p>(iv) Avoid overfilling sample container.</p> <p>(E) Monitoring should be conducted for any discharge that occurs during the normal working hours of the project site. [WPC-1]</p>

ACT9 (continued):

Narrative Requirements:

Condition No.	Condition
T-5	<p>(5) Turbidity Meters:</p> <p>(A) Turbidity meters should meet the following design criteria:</p> <ul style="list-style-type: none"> (i) Accuracy within +/- 5% of measurement, (ii) Minimum upper range of 1000 NTU, (iii) Able to be calibrated by operator, and (iv) Operating temperature range be at least 32 to 122 degrees. <p>(B) Turbidity meters should be operated, calibrated and maintained according to the meter manufacturer's instructions. [WPC-1]</p>

ACT10 (LCGP) Record Keeping and Reporting Requirements:

Record-Keeping Requirements:

Condition No.	Condition
R-1	<p>RETENTION OF RECORDS:</p> <p>All records, reports, forms and information resulting from activities required by this permit shall be retained for a period of at least three (3) years from the date that the document(s) was generated. [WPC-1]</p>

Submittal/Action Requirements:

Condition No.	Condition
S-1	<p>SUSPENSION OF WEEKLY INSPECTIONS AND MONTHLY RECORD KEEPING:</p> <p>Coverage recipients under this general permit may suspend weekly inspection and monthly record keeping requirements, if the coverage recipient certifies that:</p> <ul style="list-style-type: none"> (1) Land disturbing activities have temporarily ceased, (2) No further land disturbing activities are planned for a period of at least six (6) months, (3) Areas that have been disturbed meet the definition of "final stabilization" (see Definitions), with no active erosion, and (4) Vegetative cover has been established. <p>Color photographs representative of the site must be submitted with the Inspection Suspension Form provided in the Large Construction Forms Package. The coverage recipient shall notify the MDEQ once construction activities are resumed and the weekly inspections shall commence immediately and as required in ACT6, S-4. The coverage recipient is still responsible for all permit conditions during the suspension period and nothing in this condition shall limit the rights of the MDEQ to take enforcement or other actions against the coverage recipient. [WPC-1]</p>

ACT10 (continued):

Submittal/Action Requirements:

Condition
No.

Condition

S-2 The inspections described in ACT6, S-4 must be documented on copies of the Monthly Inspection Report and Certification Form provided in the Large Construction Forms Package and be kept with the SWPPP.

Submittals of the MDEQ Registration Form for residential lots are required. It is the responsibility of both the owner or developer (seller) and the new owner or operator (purchaser) to maintain a copy of the MDEQ Registration Form. The new owner or operator must maintain a copy of the MDEQ Registration Form at the site. In cases where there is no office or shelter to maintain documents onsite, the Registration Form can be kept locally available (i.e., able to be produced within an hour of being requested by state or local inspectors. [WPC-1]

ACT11 (LCGP) Termination of Permit Coverage:

Submittal/Action Requirements:

Condition No.	Condition
S-1	<p>Within thirty (30) days of final stabilization (see Definition of Final Stabilization (1)) for a covered project, a completed Request for Termination (RFT) of Coverage form (provided in the Large Construction Forms Package) shall be submitted to the Permit Board. Upon receiving the completed RFT, the MDEQ staff will inspect the site. If no sediment and erosion control problems are identified and adequate permanent controls are established, the owner or operator will receive a termination letter. Coverage is not terminated until notified in writing by MDEQ. Failing to submit a RFT is a violation of permit conditions.</p> <p>The coverage recipient of a "larger common plan of development or sale" must submit a RFT within thirty (30) days after the following conditions are met:</p> <ul style="list-style-type: none"> (1) Final stabilization (see Definition of Final Stabilization (2)) has been achieved on all portions of the site for which the coverage recipient is responsible, and (2) Other owner(s) or operator(s) have assumed control (by completing a LCNOI or MDEQ Registration Form) over all areas of the site that have not achieved final stabilization. <p>The coverage recipient of a residential "larger common plan of development or sale" must submit a copy of the MDEQ Registration Form for each lot sold with the RFT.</p> <p>Residential lot owners or operators that have completed the MDEQ Registration Forms are not required to submit a RFT, unless specifically requested by the MDEQ staff. The lot permit coverage is considered terminated upon "successful completion of all permanent erosion and sediment controls" (see Definitions). [WPC-1]</p>

ACT12 (LCGP) Standard Requirements Applicable To All Water Permits:

Narrative Requirements:

Condition No.	Condition
T-1	<p>DUTY TO COMPLY:</p> <p>The coverage recipient must comply with all conditions of this permit. Any permit noncompliance constitutes a violation and is grounds for enforcement action; for coverage termination, revocation and reissuance, or modifications; or denial of a renewal application. [WPC-1]</p>
T-2	<p>DUTY TO MITIGATE:</p> <p>The owner or operator shall take all reasonable steps to minimize or prevent any discharge in violation of this permit which is likely to adversely affect human health or the environment. [WPC-1]</p>
T-3	<p>DUTY TO PROVIDE INFORMATION:</p> <p>The owner or operator shall furnish to the Permit Board, within a reasonable time, any information that the Permit Board may request to determine compliance with this permit. [WPC-1]</p>
T-4	<p>PROPERTY RIGHTS:</p> <p>The issuance of this permit does not convey any property rights of any sort, nor any exclusive privileges, nor does it authorize any injury to private property nor any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations. [WPC-1]</p>
T-5	<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]</p>
T-6	<p>OIL AND HAZARDOUS SUBSTANCE LIABILITY:</p> <p>Nothing in this permit shall relieve the owner or operator from responsibilities, liabilities, or penalties under Section 311 of the CWA (33 U.S.C. Section 1321). [WPC-1]</p>

ACT12 (continued):**Narrative Requirements:**

Condition No.	Condition
T-7	<p data-bbox="262 569 630 619">SIGNATORY REQUIREMENTS:</p> <p data-bbox="262 636 945 669">All LCNOIs and requests for recoverage shall be signed as follows:</p> <p data-bbox="262 685 1365 718">(1) For a corporation by a responsible corporate officer. For this permit, a responsible corporate officer means:</p> <p data-bbox="262 735 1967 817">(A) 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 functions for the corporation; or</p> <p data-bbox="262 834 1967 982">(B) 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 data-bbox="262 999 1967 1131">Note: MDEQ does not require specific assignments or delegations of authority to responsible corporate officers identified in paragraph (1)(A) above. The Department will presume that these responsible corporate officers have the requisite authority to sign permit applications unless the corporation has notified the Permit Board to the contrary. Corporate procedures governing authority to sign permit applications may provide for assignment or delegation to applicable corporate positions under paragraph (1)(B) above rather than to specific individuals.</p> <p data-bbox="262 1148 1260 1181">(2) For a partnership or sole proprietorship by a general partner or the proprietor, respectively; or</p> <p data-bbox="262 1197 1967 1280">(3) For a municipal, State, Federal, or other public agency by either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a Federal agency includes:</p> <p data-bbox="262 1296 735 1329">(A) The chief executive officer of the agency, or</p> <p data-bbox="262 1346 1627 1390">(B) A senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency. [WPC-1]</p>

ACT12 (continued):

Narrative Requirements:

Condition No.	Condition
T-8	<p>DULY AUTHORIZED REPRESENTATIVE:</p> <p>All SWPPPs, reports required by this permit, certifications and other information requested by the Permit Board shall be signed by a person described in T-8 above, or by a duly authorized representative of that person. A person is a duly authorized representative when:</p> <p>(1) The authorization is made in writing and submitted to the Permit Board by a person described in T-8 above.</p> <p>(2) The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated activity, such as: manager, operator of a well or well field, superintendent, person of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company. (A duly authorized representative may be either a specified individual or position). [WPC-1]</p>
T-9	<p>CHANGES TO AUTHORIZATION:</p> <p>If an authorization is no longer accurate because a different individual or position has permit responsibility, a new authorization satisfying the requirements of T-8 and T-9 above, must be submitted to the Permit Board prior to or together with any reports, information or applications signed by the representative. [WPC-1]</p>
T-10	<p>CERTIFICATION:</p> <p>Any person signing documents under this section shall make the following certification:</p> <p>"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated 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." [WPC-1]</p>

ACT12 (continued):**Narrative Requirements:**

Condition No.	Condition
T-11	<p>PROPER OPERATION AND MAINTENANCE:</p> <p>The coverage recipient shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the coverage recipient to achieve compliance with the conditions of this permit including the Storm Water Pollution Prevention Plan. Proper operation and maintenance includes adequate laboratory controls with appropriate quality assurance procedures and requires the operation of backup or auxiliary facilities when necessary to achieve compliance with permit conditions. [WPC-1]</p>
T-12	<p>MONITORING AND RECORDS:</p> <p>(1) Monitoring. Samples and measurements shall be representative of the monitored activity and must be conducted according to test procedures approved under 40 CFR Part 136.</p> <p>(2) Retention of Records. The owner or operator shall retain records of all required monitoring information for a period of at least three years from the date of the measurement, report, or application. This information includes all calibration and maintenance records, all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the Notice of Intent to be covered by this permit. This period may be extended by request of the Permit Board or its designee.</p> <p>(3) Record Contents. Records of monitoring information shall include:</p> <ul style="list-style-type: none">(A) The date, exact location, and time of sampling or measurements,(B) The initials or names of the individuals who performed the sampling or measurements,(C) The date(s) and time(s) analyses were performed,(D) The initials or names of the individuals who performed the analyses,(E) References and written procedures, when available, for the analytical techniques or methods used, and(F) The results of such analyses, including the bench sheets, instrument readouts, computer disks or tapes, etc., used to determine these results. [WPC-1]

ACT12 (continued):

Narrative Requirements:

Condition No.	Condition
T-13	<p>BYPASS PROHIBITION:</p> <p>Bypass (see 40 CFR 122.41(m)) is prohibited and enforcement action may be taken against an coverage recipient for a bypass, unless: a) the bypass was unavoidable to prevent loss of life, personal injury, or severe property damage; b) There were 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 the coverage recipient should, in the exercise of reasonable engineering judgment, have installed adequate backup equipment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance); and c) The owner or operator submitted notices per T-17 of this ACT. [WPC-1]</p>
T-14	<p>UPSET CONDITIONS:</p> <p>An upset (see 40 CFR 122.41(n)) constitutes an affirmative defense to an action brought for noncompliance with technology-based permit limitations if a coverage recipient shall demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence, that:</p> <ol style="list-style-type: none"> (1) An upset occurred and the coverage recipient can identify the specific cause(s) of the upset, (2) The permitted facility was at the time of the upset being properly operated, (3) The coverage recipient submitted notices per T-17 of this ACT, and (4) The coverage recipient took remedial measures as required under T-2 of this ACT. In any enforcement proceeding, the coverage recipient has the burden of proof that an upset occurred. No determination made during administrative review of claims that noncompliance was caused by upset, and before an action for noncompliance is initiated, will be considered a final administrative action subject to judicial review. [WPC-1]

ACT12 (continued):

Narrative Requirements:

Condition No.	Condition
T-15	<p>INSPECTION AND ENTRY:</p> <p>The coverage recipient shall allow the Permit Board staff or an authorized representative, upon the presentation of credentials and other documents as may be required by law, to:</p> <ol style="list-style-type: none"> (1) Enter upon the owner or operator's premises where a regulated activity is located or conducted or where records must be kept under the conditions of this permit; (2) Have access to and copy at reasonable times any records that must be kept under the conditions of this permit; (3) Inspect at reasonable times any facilities or equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and (4) Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the Clean Water Act, any substances or parameters at any location. [WPC-1]
T-16	<p>PERMIT ACTIONS:</p> <p>This permit may be modified, revoked and reissued, or terminated for cause. A request by the coverage recipient for permit or coverage modification, revocation and reissuance, or termination, or a certification of planned changes or anticipated noncompliance does not stay any permit condition. [WPC-1]</p>
T-17	<p>NONCOMPLIANCE REPORTING:</p> <ol style="list-style-type: none"> (1) Anticipated Noncompliance. The coverage recipient shall give at least ten (10) days advance notice, if possible, before any planned noncompliance with permit requirements. Giving notice of planned or anticipated noncompliance does not immunize the coverage recipient from enforcement action for that noncompliance. (2) Unanticipated Noncompliance. The coverage recipient shall notify the MDEQ orally within twenty-four (24) hours from the time he or she becomes aware of unanticipated noncompliance, which may endanger health or the environment. A written report shall be provided to the MDEQ within five (5) working days of the time he or she becomes aware of the circumstances leading to the unanticipated noncompliance. The report shall describe the cause, the exact dates and times, steps taken or planned to reduce, eliminate, or prevent reoccurrence and, if the noncompliance has not ceased, the anticipated time for correction. MDEQ may waive the written report on a case-by-case basis, if the oral report is received within 24 hours. [WPC-1]

ACT12 (continued):**Narrative Requirements:**

Condition No.	Condition
T-18	<p>REOPENER CLAUSE:</p> <p>If there is evidence indicating potential or realized impacts on water quality due to large construction activities covered by this permit, the coverage recipient may be required to obtain individual permit or an alternative general permit in accordance with ACT3, S-2 or the permit may be modified to include different limitations and/or requirements. [WPC-1]</p>
T-19	<p>PERMIT MODIFICATION:</p> <p>Permit modification or revocation will be conducted according to 40 CFR 122.62, 122.63, 122.64 and 124.5. [WPC-1]</p>
T-20	<p>TRANSFERS:</p> <p>Coverage under this permit is not transferable to any person except after notice to and approval by the Permit Board. The Permit Board may require the coverage recipient to obtain another NPDES permit as stated in ACT3, S-2. Transfer of coverage requests shall be submitted to the Permit Board using the form provided in the Large Construction Forms Package. [WPC-1]</p>
T-21	<p>CONTINUATION OF EXPIRED GENERAL PERMIT:</p> <p>If this permit is not reissued prior to the expiration date, it will be administratively continued and remain in force and effect. Permit coverage will remain until the earliest of:</p> <ol style="list-style-type: none">(1) Recoverage under the reissued general permit;(2) Submittal of a Request for Termination and receipt of written concurrence;(3) Issuance of an individual permit for the project's discharge; or(4) A formal permit decision by the Permit Board to not reissue the general permit, at which time the coverage recipient must seek coverage under an alternative general permit or an individual permit. [WPC-1]

ACT12 (continued):**Narrative Requirements:**

Condition No.	Condition
T-22	<p>FALSIFYING REPORTS:</p> <p>Any coverage recipient who falsifies 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 Mississippi Water Pollution Control Law (Mississippi Code Ann. Sections 49-17-1 et seq.). [WPC-1]</p>
T-23	<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 Air and Water Pollution Control Law is subject to the actions defined by the Mississippi Air and Water Pollution Control Law.</p> <p>(2) Except as provided in permit conditions on "Bypassing" and "Upsets", nothing in this permit shall be construed to relieve the coverage recipient from civil or criminal penalties for noncompliance.</p> <p>(3) It shall not be the defense of the coverage recipient 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. [WPC-1]</p>

ACT13 (LCGP) Definitions:**Narrative Requirements:**

Condition No.	Condition
T-1	BEST MANAGEMENT PRACTICES (BMPs) means schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the discharge of pollutants to waters of the United States. BMPs also include treatment requirements, operating procedures, and practices to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage. [WPC-1]
T-2	BUFFER ZONE, as used in this permit, means a strip of dense undisturbed perennial vegetation, either original or reestablished, that borders perennial streams and rivers, ponds and lakes and wetlands. Buffer zones are established for the purposes of slowing water runoff, enhancing water infiltration, and minimizing the risk of any potential nutrients or pollutants from leaving the upland area and reaching surface waters. Buffer zones are most effective when storm water runoff is flowing into and through the buffer zone as shallow sheet flow, rather than in concentrated form such as in channels, gullies, or wet weather conveyances. Therefore, it is critical that the design of any development include management practices, to the maximum extent practical, that will result in storm water runoff flowing into and through the buffer zone as shallow sheet flow. [WPC-1]
T-3	CFR means the Code of Federal Regulations. [WPC-1]
T-4	CLEAN WATER ACT (CWA) refers to the Federal Water Pollution Control Act, 33 U.S.C. section 1251 et seq. [WPC-1]
T-5	COMMENCEMENT OF CONSTRUCTION ACTIVITIES means the initial disturbance of soils associated with clearing, grading, or excavating activities or other construction-related activities. [WPC-1]
T-6	COMMISSION means the Mississippi Commission on Environmental Quality. [WPC-1]
T-7	COMPACTION means the process by which the soil grains are rearranged to decrease void space and bring the grains into closer contact with one another and thereby increase the weight of solid material per cubic foot. [WPC-1]
T-8	CONSTRUCTION ACTIVITY as used in this permit, includes construction activity as defined in 40 CFR part 122.26(b)(14)(x). This includes a disturbance to the land that results in the change in topography, existing soil cover (both vegetative and non-vegetative), or the existing topography that may result in accelerated storm water runoff, leading to soil erosion and movement of sediment into surface waters or drainage systems. Examples of construction activity may include clearing, grading, filling and excavating. Construction activity does not include routine maintenance that is performed to maintain the original line and grade, hydraulic capacity, or original purpose of the site. [WPC-1]
T-9	CONTROL MEASURE as used in this permit, refers to any Best Management Practice or other method used to prevent or reduce the discharge of pollutants to waters of the United States. [WPC-1]

ACT13 (continued):**Narrative Requirements:**

Condition No.	Condition
T-10	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. [WPC-1]
T-11	EXECUTIVE DIRECTOR means the Executive Director of the Department of Environmental Quality. [WPC-1]
T-12	FACILITY or ACTIVITY means any NPDES "point source" or any other facility or activity (including land or appurtenances thereto) that is subject to regulation under the NPDES program. [WPC-1]
T-13	<p>FINAL STABILIZATION means that either:</p> <p>(1) All soil disturbing activities at the site have been completed, and that a uniform perennial vegetative cover with a density of at least 70% for the area has been established or equivalent measures (i.e., concrete or asphalt paving, rip rap, etc.) have been employed; or</p> <p>(2) For individual lots part of a larger common plan of development or sale in residential or commercial developments, that either:</p> <p>(A) The coverage recipient has completed final stabilization as specified in (1) above, or</p> <p>(B) The coverage recipient has established temporary stabilization before another property owner assumes operational control for the property AND the coverage recipient for the larger common plan of development has provided the appropriate Notice of Intent or Registration form, the appropriate Construction General Permit, and guidance documents to the new property owner and the new owner assumes control by completing the appropriate NOI or Registration Form. [WPC-1]</p>
T-14	GRAB SAMPLE is a sample that is taken from a wastestream on a one-time basis without consideration of the flow rate of the wastestream and without consideration of time. Samples should be collected from the center of the flow channel, where turbulence is at a maximum. [WPC-1]
T-15	INFEASIBLE means there is a site-specific constraint that makes a control technology impossible and/or not reasonable to implement, or that implementing the control would be cost-prohibitive. [WPC-1]

ACT13 (continued):**Narrative Requirements:**

Condition No.	Condition
T-16	LARGE CONSTRUCTION ACTIVITY includes clearing, grading, and excavating resulting in a land disturbance that will disturb equal to or greater than five (5) acres of land or will disturb less than five (5) acres of total land area but is part of a larger common plan of development or sale that will ultimately disturb equal to or greater than five (5) acres. [WPC-1]
T-17	LARGER COMMON PLAN OF DEVELOPMENT OR SALE means a contiguous area where multiple separate and distinct construction activities are occurring under one plan. The plan in a common plan of development or sale is broadly defined as any announcement or piece of documentation (including a sign, public notice or hearing, sales pitch, advertisement, drawing, permit application, zoning request, computer design, etc.) or physical demarcation (including boundary signs, lot stakes, surveyor markings, etc.), indicating that construction activities may occur on a specific plot. [WPC-1]
T-18	MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) means a conveyance or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels, or storm drains): (i) Owned or operated by a State, city, town, borough, county, parish, district, association, or other public body (created by or pursuant to State law) having jurisdiction over disposal of sewage, industrial wastes, storm water, or other wastes, including special districts under State law such as a sewer district, flood control district or drainage district, or similar entity, or an Indian tribe or an authorized Indian tribal organization, or a designated and approved management agency under section 208 of the CWA that discharges to waters of the United States, (ii) Designed or used for collecting or conveying storm water, (iii) Which is not a combined sewer, and (iv) Which is not part of a Publicly Owned Treatment Works (POTW). [WPC-1]
T-19	NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) means the regulations under the Clean Water Act which prohibits discharge of pollutants into waters of the United States unless a special permit is issued. [WPC-1]
T-20	NOI is an acronym for "Notice of Intent" to be covered by this permit and is the mechanism used to apply for coverage under a general permit. [WPC-1]
T-21	NORMAL WORKING HOURS, for the purpose of this permit, means the hours that personnel are typically working at the project site (e.g., daylight hours, Monday through Friday, except recognized holidays). [WPC-1]
T-22	NTUs is an acronym for Nephelometric Turbidity Units, which is the unit of measure for turbidity. [WPC-1]

ACT13 (continued):**Narrative Requirements:**

Condition No.	Condition
T-23	<p>OWNER or OPERATOR for the purpose of this permit and in the context of storm water associated with construction activity, means any party associated with a construction project that meets either of the following two criteria:</p> <p>(1) The party has operational control over construction plans and specifications, including the ability to make modifications to those plans and specifications; or</p> <p>(2) The party has day to day operational control of those activities at a project which are necessary to ensure compliance with a storm water pollution prevention plan for the site or other permit conditions (e.g., they are authorized to direct workers at a site to carry out activities required by the SWPPP or comply with other permit conditions). This definition is provided to inform coverage recipients of MDEQ's interpretation of how the regulatory definitions of "owner or operator" and "facility or activity" are applied to discharges of storm water associated with construction activity. [WPC-1]</p>
T-24	PERMIT BOARD means the Mississippi Environmental Quality Permit Board established pursuant to Miss. Code Ann. 49-17-28. [WPC-1]
T-25	POLLUTANT is defined at 40 CFR 122.2. A partial listing from this definition includes: dredged spoil, solid waste, sewage, garbage, sewage sludge, chemical wastes, biological materials, heat, wrecked or discarded equipment, rock, sand, sediment, silt, cellar dirt, and industrial or municipal waste. [WPC-1]
T-26	POLYMER FLOCCULANT, for the purpose of this permit, is a chemical that when added to storm water containing small suspended particles (e.g., fine silts and clays) causes the particles to stick together and fall out of suspension, reducing the overall turbidity of the storm water discharge. [WPC-1]
T-27	QUALIFIED PERSONNEL means a person knowledgeable in the principles and practice of erosion and sediment controls who possesses the skills to assess conditions at the construction site that could impact storm water quality and to assess the effectiveness of any sediment and erosion control measures selected to control the quality of storm water discharges from the construction activity. [WPC-1]
T-28	STATE LAW means The Mississippi Air and Water Pollution Control Law, specifically, Miss. Code Ann 49-17-1 through 49-17-43, and any subsequent amendments. [WPC-1]
T-29	STEEP SLOPES, as used in this permit, means slopes or grades steeper than (3:1). [WPC-1]
T-30	STORM WATER means rainfall runoff, snowmelt runoff, and surface runoff. [WPC-1]
T-31	STORM WATER ASSOCIATED WITH CONSTRUCTION ACTIVITY as used in this permit, refers to a discharge of pollutants in storm water from areas where soil disturbing activities (e.g., clearing, grading, or excavation), construction materials or equipment storage or maintenance (e.g., stock piles, borrow area, concrete truck chute wash down, fueling) are located. [WPC-1]

ACT13 (continued):**Narrative Requirements:**

Condition No.	Condition
T-32	STORM WATER POLLUTION PREVENTION PLAN (SWPPP) means a plan that includes site map(s), an identification of construction/contractor activities that could cause pollutants in the storm water, and a description of measures or practices to control these pollutants. [WPC-1]
T-33	SUBMITTED means the document is postmarked on or before the applicable deadline, except as otherwise specified. [WPC-1]
T-34	SUCCESSFUL COMPLETION OF ALL PERMANENT EROSION AND SEDIMENT CONTROLS means when land disturbing construction activities have been completed and disturbed areas have been stabilized with no significant erosion occurring. [WPC-1]
T-35	TEMPORARY STABILIZATION means practices such as seeding, mulching and erosion control blankets or mats that are used to stabilize exposed areas in which construction activity has been temporarily suspended. [WPC-1]
T-36	TOPSOIL means the top layer of undisturbed soil, consisting of a high percentage of organic matter, which is conducive to plant growth. [WPC-1]
T-37	TOTAL MAXIMUM DAILY LOAD (TMDL) means the maximum daily amount of a pollutant that can enter a water body so that the water body will meet and continue to meet state water quality standards. [WPC-1]
T-38	TURBIDITY is an expression of the optical property that causes light to be scattered and absorbed rather than transmitted with no change in direction of flux level through the sample caused by suspended and colloidal matter such as clay, silt, finely divided organic and inorganic matter and plankton and other microscopic organisms. [WPC-1]
T-39	TURBIDITY METERS as used in this permit, are hand held or in-line devices used to measure the turbidity level of storm water discharges. [WPC-1]
T-40	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 coverage recipient. 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. [WPC-1]
T-41	WATERS OF THE STATE means all waters within the jurisdiction of this State, including all streams, lakes, ponds, wetlands, impounding reservoirs, marshes, watercourses, waterways, wells, springs, irrigation systems, drainage systems, and all other bodies or accumulations of water, surface and underground, natural or artificial, situated wholly or partly within or bordering upon the State, and such coastal waters as are within the jurisdiction of the State, except lakes, ponds, or other surface waters which are wholly landlocked and privately owned, and which are not regulated under the Federal Clean Water Act (33 U.S.C.1251 et seq.). [WPC-1]

ACT13 (continued):

Narrative Requirements:

Condition No.	Condition
T-42	WPC-1 means the State of Mississippi's Wastewater Regulations for National Pollutant Discharge Elimination System (NPDES) Permits, Underground Injection Control (UIC) Permits, State Permits, Water Quality Based Effluent Limitations and Water Quality Certifications. [WPC-1]