STORM WATER POLLUTION PREVENTION PLAN (SWPPP)

NORTH PORT PROPERTY 33rd Street Gulfport, Mississippi

PROJECT NO. 9397.08

PREPARED FOR: MS STATE PORT AUTHORITY 2510 14th Street Gulfport Mississippi

PREPARED BY:



2200-A 25th Avenue Gulfport, MS 39501 (228) 369-0486 RECEIVED

JUN 2 4 2011

Dept of Environmental Quality

December 2010 Revised: January 5, 2011 Revised: June 21, 2011

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I PROJECT DESCRIPTION:

A limestone base parking area with two (2) asphalt entrances off 33rd Street will be constructed to provide parking for vehicles and moving stock from the Mississippi State Port during storm events. The limestone base parking area will drain to a sediment/detention pond, which will discharge into a possible, on-site wetlands area west of the sediment/detention pond (See P2). The subject project area is approximately 32 acres and is located adjacent to 33rd Street in Gulfport, Mississippi (See P1), with the proposed improvements occupying approximately 17.5 acres of the subject project area. In its present state, the subject project area is undeveloped, with brush piles and grassy vegetation. The proposed project has been designed to avoid possible, on-site wetlands.

*Soils – Soils within the area of improvements are comprised of approximately 73% Harleston fine sandy loam (0% - 2% Slopes), 12% Plummer loamy sand, 14% Atmore silt loam and <1% Latonia loamy sand.

II CONTROLS:

- A. TEMPORARY VEGETATIVE CONTROLS: All disturbed areas left undisturbed for more than <u>14</u> days, will be temporarily seeded with annual rye, browntop millet, oats and/or winter wheat. The temporary seeding will be done within 7 days of disturbing these areas.
- **B. PERMANENT VEGETATIVE CONTROLS:** All disturbed areas <u>not</u> scheduled to receive fill, limestone, asphaltic concrete paving or sod, will be permanently seeded once final grades are established. Seeding will be done with a mixture per acre of Rye Grass (30 lbs.) and Common Bermuda (55 lbs.) Mulch or blown hay will be placed on all side slopes after seeding. Commercial fertilizer should be provided and applied per project specifications.
- C. STRUCTURAL CONTROLS: Silt fencing and hay bales will be installed in accordance with the plans and details (See P3 and P4) until sufficient vegetation have been established. Sediment filters will be installed and maintained at all times. Silt fencing and hay bales shall be removed once permanent cover is established and once approved for removal by Engineer.
- **D. HOUSEKEEPING PRACTICES:** All equipment maintenance and repair will be performed offsite. A dumpster will be placed at a central location on site for easy access. Portable sanitary facilities will be provided for construction workers.
- E. POST CONSTRUCTION/STORM WATER MANAGEMENT MEASURES: Flow attenuation using sediment/detention ponds shall be used to control sediment in storm water after construction is complete (See P9). Rip rap will be used as an energy disperser at the outlet of the sediment/detention pond (See P8 and P9).

III IMPLEMENTATION SEQUENCE:

- A. Install silt fence and hay bales as shown on plans (See P3 and P4). Install construction entrance as shown on plans (See P3 and P4).
- B. Construct one (1) sediment/detention pond including an emergency spillway. Install outfall structure with outlet protection (See P5 – P9)
- C. Construct drainage ditches and drainage structures (See P5 P8).
- D. Seed and mulch all disturbed areas <u>not</u> receiving sod, limestone or asphaltic concrete pavement.
- E. All work will comply with Sections 02260 Storm Water Pollution Prevention Plan and 02270 – Erosion Control of the Project Specifications prepared by Lanier & Associates (Engineer).

IV MAINTENANCE PLAN:

- A. Check all disturbed areas and erosion and sediment controls measures after each significant rainfall (0.5" or greater) but not less than once per week. Fill out inspection report forms provided in Appendix A. Make needed repairs within 24 hours. Remove sediment from silt fence when accumulated sediment has reached 50 percent height of silt fence. Replace non-functional silt fence. Maintain all vegetated areas to provide proper ground cover. Reseed, fertilize, and mulch as needed. Note: Provide copy of report to Engineer within 48 hours of inspection.
- B. When a disturbed area will be left undisturbed for $\underline{14}$ days or more, the appropriate temporary or permanent vegetative practices shall be implemented within seven calendar days.
- C. Sediment basin(s)/pond(s) will be inspected weekly for excessive siltation build up. Fill out inspection report form provided in Appendix A. When sediment levels reach 25% percent of the outfall structure's height, sediment will be removed to original bottom of pond. Note: Provide copy of report to Engineer within 48 hours of inspection.

V OTHER CONTROL METHODS:

- A. Construction involving earthwork or dirt hauling and placement will be limited to "Dry Periods".
- B. One (1) construction entrance/exit to the site will be constructed in accordance with details (See P4).

C. Construction activity will comply with state and local waste disposal requirements.







NORTH PORT PROPERTY SITE DEVELOPMENT GENERAL LAYOUT & SURVEY CONTROL

SHEET NO. 8374-11 **P2**

PROJECT WORK POINTS & SURVEY CONTROL							
POINT	NORTHING	EASTING	ELEVATION	POINT DESCRIPTION			
BASELINE POINT BI	324723.50	899726.42	N/A	NOT A PHYSICAL POINT			
BASELINE POINT B2	324729.10	901425.41	N/A	NOT A PHYSICAL POINT			
CONTROL POINT CI	324720.45	899724.14	29.20	1/Z" IRON ROD			
CONTROL POINT C2	324731.35	901418.70	30.92	1/Z" IRON ROD			
CONTROL POINT C3	324191.66	900557.80	30.86	1/2" IRON ROD IN CONCRETE			

NOTES					
1.	EXISTING CONSTRUCTION, UTILITIES, PROPERTY BOUNDARES AND CONDITIONS SHOWN ARE SCHEMATIC. ACTUAL CONDITIONS MAY DIFFER. THE CONTRACTOR IS FULLY RESPONSIBLE FOR MAINING HIS OWN SITE EXAMINATION AND DETERMINING THE ACTUAL NATURE AND EXTENT OF EXISTING CONDITIONS AS NEEDED PRIOR TO UNDERTAGING THE WORK.				
2.	CONTRACTOR TO PROTECT EXISTING CONTROL POINTS.				
3.	DO NOT DISTURB EXISTING CONTROL POINTS.				













Contract of







Re: MS State Port Authority (AI 54773) 📄 Michael Griffith to: Harry Wilson

01/25/2011 03:22 PM

Michael Griffith/EPD/OPC/DEQ From: Harry Wilson/EPD/OPC/DEQ@DEQ

Harry,

To:

Here is the response to your questions that I posed to the consultant. Do you think we can go ahead and issue coverage for this project now?

Michael – Sorry I have been delayed in getting back with you, but wanted to respond to your questions about the North Port project.

1. We will be submitting the plans to the City of Gulfport for review and permitting (grading/drainage permit). We plan on doing this in the next several weeks.

2. The project is presently being evaluated by FEMA, since it is anticipated that construction funds will come from FEMA as this project is a hurricane mitigation project (site to move trailers and equipment from port to in preparation of a storm). Part of this process is having an Environmental Assessment (EA) performed. It is anticipated that there will be a thirty (30) day public comment period once the EA is completed and reviewed by MSPA. Additionally, when the property was purchased by the Port, there were public meetings with the adjacent property owners (Turkey Creek Watershed Owners) to discuss MSPA's plans.

Michael Griffith, P.E. **Environmental Permits Division** Mississippi Department of Environmental Quality PO Box 2261 Jackson, Mississippi 39225-2261 (601) 961-5559 (601) 961-5703 Fax

Harry W	ilson Oh, I wonder did they go through planning with t	12/16/2010 11:10:02 AM
From:	Harry Wilson/EPD/OPC/DEQ	
To:	Michael Griffith/EPD/OPC/DEQ@DEQ	
Cc:	Tim Parrish/EPD/OPC/DEQ@DEQ	
Date:	12/16/2010 11:10 AM	
Subject:	Re: MS State Port Authority (AI 54773)	

Oh, I wonder did they go through planning with the county or the city? Did they let the community know about the project?

Harry M. Wilson, P.E., DEE, Chief Environmental Permits Division Mississippi Department of Environmental Quality P.O. Box 2261 Jackson, Mississippi 39225 Phone(601) 961-5073 Fax(601) 961-5703

Michael Griffith Harry and Tim, We have received a LCNOI from

12/15/2010 09:00:58 AM