

SUBSECTION 01000

Storm Water Pollution Prevention Plan (SWPPP) and Storm Water Best Management Practices (BMP)

PART 1 - GENERAL

1.01 Storm water Pollution Prevention Plan (SWPPP) & Best Management Practices (BMPs).

1.02 DEFINITIONS:

Best Management Practices (BMPs) – A Best Management Practice is a technique, process, activity, or structure used to reduce the pollutant content of a storm water or non-storm water discharge. BMPs may include simple, non-structural methods such as good housekeeping, staff training, and preventive maintenance. Additionally, BMPs may include structural modifications such as the installation of berms, canopies, or treatment control.

- A. The Contractor shall prepare and maintain a Stormwater Pollution Prevention Plan (SWPPP) on site as per specification, which describes in detail the Contractor's responsibility to prevent contamination of the stormwater collection system. Contractor shall implement, maintain, inspect and remove all erosion and sediment controls identified in the SWPPP. The program shall cover all construction activities and extraordinary events.
- B. The Contractor shall include water pollution control drawings (WPCD) in the SWPPP to illustrate the locations, applications and deployment of best management practices (BMPs) identified in the SWPPP.
- C. The Contractor shall comply with laws, rules, and regulations of the State of Louisiana and agencies of the United States Government prohibiting the pollution of lakes, wetlands, streams, or river waters from the dumping of contaminants, refuse, rubbish, or debris.

1.03 SUBMITTALS

- A. The Contractor shall submit a copy of the SWPPP a minimum of 10 working days prior to beginning construction to St. Charles Parish Department of Public Works at 100 River Oaks Drive, Destrehan, La 70047. Construction shall not begin until the SWPPP is approved. Contractor shall update the SWPPP as necessary during the work to prevent contamination of the storm water collection system.
- B. Before start of work, Contractor shall train all employees and

subcontractors on the SWPPP and related WPCD and provide St. Charles Parish with written documentation of said training.

- C. Suggested BMPs can be obtained from Ella Barbe, LDEQ Small Business Assistance Program, 201 Evans Rd. Bldg 4, Suite 420 Harahan, LA Phone; 504-736-7739, email: ella.barbe@la.gov

1.04 CONSTRUCTION

- A. The Contractor shall keep a copy of the SWPPP on the job site. The contractor shall provide continuously at the jobsite all of the tools, equipment, and materials necessary to implement the SWPPP at all times from project initiation through completion, including any punchlist or warranty work on the project. At a minimum the following requirements should be met as applicable, to the maximum extent practicable, at construction sites:
- B. Storm Drain System Protection – At the first order of work, the Contractor shall protect the existing storm drain system from entrance of construction debris and pollutants. Such protection shall include implementing the BMPs as outlined in the SWPPP. Protection shall prohibit the discharge of untreated runoff from temporary or permanent street maintenance/landscape maintenance material and waste storage areas from entering the storm drain system. Sediment that is generated on the project site shall be retained using structural drainage controls. In addition, the protection system shall have a minimum of three features: 1) a particulate filter of geosynthetic material securely fastened in place such that it cannot be bypassed without significant physical damage; 2) a prefilter for the particulate filter; and 3) on-hand materials to close off the inlet or opening in the case of a significant pollution spill. Contractor shall monitor and maintain all storm drain inlet protection devices during rain events to prevent flooding.
- C. Material Management & Storage – No construction-related materials, wastes, spills or residues shall be discharged from the project site to streets, drainage facilities or adjacent properties by wind or runoff. All materials and/or equipment storage areas where liquid construction materials are placed shall be protected by a physical barrier capable of containing the entire volume of stored liquid materials. During active construction activities, portions of the barrier may be removed for access. However; the barrier materials must be readily accessible for replacement by onsite construction personnel. The barrier must be in place at all times during the absence of Contractor personnel at the storage site. Building materials should be placed on pallets and covered in event of rain. Do not store materials in the street or gutter area.
- D. Equipment & Vehicle Maintenance – Non-stormwater runoff from

equipment and vehicle washing and any other activity shall be contained at the project site and shall not be allowed to discharge from the project site to street, drainage facilities or adjacent properties by wind or runoff. The Contractor shall inspect vehicles and equipment on each day of use. Leaks shall be repaired off-site if possible, the runoff must be contained or the problem vehicle or equipment shall be removed from the project site until repaired. If necessary, drip pans should be placed under the vehicles or equipment while not in use to catch and/or contain drips and leaks.

- E. BMP Inspection – The contractor shall inspect all pollution control BMPs regularly. The Contractor should also repair/replace any damaged or clogged element on a daily basis. During periods of precipitation where any runoff occurs, the system shall be checked twice a day, seven days a week, whether or not any work has been performed. The contractor shall keep a monitoring inspection log of each inspection.
- F. Spill Prevention & Cleanup Plan – Contractor shall have a spill prevention plan cleanup materials readily available and addressed in the SWPPP. Spills shall be properly disposed of. Contractor shall keep a record of any spills in the inspection log. In addition, at the end of the project, the Contractor must certify that all contaminated materials have been properly disposed in accordance with the SWPPP.
- G. Employee BMP Training – Contractor shall train employees and subcontractors on BMP implementation, general good housekeeping, and proper spill containment and cleanup. Before start of work, Contractor shall provide S&WB with written documentation of training and keep all documentation in the SWPPP.
- H. Inspections – Contractor shall inspect and repair or replace, as needed, all job site BMPs a minimum of:
 - 1. Biweekly
 - 2. Before, during and after a major rain event.Contractor shall document the inspections in the SWPPP.
- I. Dewatering – Avoid dewatering discharges where possible by using the water for dust control, infiltration, etc.

1.05 ADDITIONAL REQUIREMENT

- A. In addition the contractor is to fully comply with the provisions of section 204 of Louisiana Department of Transportation and Development Standard Specifications for Road and Bridge 2006 Edition.

END OF SECTION