

Storm Water Pollution Prevention Plan for:

Cajun Express Carwash
2235 U.S. 90
Gautier, Mississippi

Contractor:

K. B. Kaufmann & Co., Inc.
3173 Terrace Ave. E.
Slidell, LA 70458

SWPPP Prepared By:

Dammon Engineering, Inc.
554 Old Spanish Trail
Slidell, LA 70458

SWPPP Preparation Date:

12/17/2020

Estimated Project Dates:

Project Start Date: 01/01/2021
Project Completion Date: 06/31/2021

Contact Information

Section 1: Site Evaluation, Assessment, and Planning

Section 2: Construction Best Management Practices (BMPs) and Controls

Section 3: Good Housekeeping BMPs

Section 4: Maintenance

Mississippi Department of Environmental Quality (MDEQ) Specifications

CONTACT INFORMATION

Property Owner Contact	Contact	Address
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Project Contractor		
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Section 1: Site Evaluation, Assessment, and Planning

Construction Activity: Construction for this project includes grading, fire main relocation, storm sewer installation for an expansion at the existing plant and sanitary sewer lift station with forcemain. The sanitary sewer forcemain will be bored from new construction to the existing forcemain, approximate 1000 ft of new forcemain. No additional domestic water services are required for this project.

Disturbance: The anticipated disturbance for this project is 2.735 acres

Existing Soils: The existing soils for this project consist of silty clays. These soils are moderately erodible given the gentle slopes of the existing and proposed grades of the project.

Existing Topography: The existing slopes are generally less than five percent except for the side slopes on drainage swale(s).

Receiving Waters: The drainage from the site area where disturbance is planned, post development is less than pre development for this site, thus requiring no measures for mitigation of the quality of storm water.

Potential Sources of Pollution: Sources of pollution include sediment from construction operations and pollutants related to building construction such as concrete and mortar.

Section 2: Construction Best Management Practices (BMPs) and Controls

Construction Phasing:

- A. Strip and stockpile topsoil.
- B. Construct the temporary sediment basin and direct storm water to it with grading operations as soon as practicable.
- C. Install storm sewer in conjunction with grading operations.
- D. Install permanent outlet protection for all storm sewer once it is installed except for the areas located inside of the sediment basin. As shown on sheet C104.
- E. Finalize grading operations.
- F. Spread topsoil and place permanent seeding on areas that will not be disturbed by building construction.
- G. Finalize building construction.
- H. Place topsoil.
- I. Finalize permanent stabilization.
- J. Remove temporary BMPs.

Site Preparation BMPs:

- A. Construction Exit Pad- MDEQ specification attached.
- B. Topsoiling- MDEQ specification attached.

Surface Stabilization BMPs:

- A. Dust Control- MDEQ specification attached.
- B. Housekeeping Practices- MDEQ specification attached.
- C. Mulching- MDEQ specification attached.
- D. Permanent Seeding- MDEQ specification attached.
- E. Temporary Seeding- MDEQ specification attached.

Runoff Conveyance BMPs:

- A. Check Dam- MDEQ specification attached.
- B. Outlet Protection- MDEQ specification attached.

Sediment Control BMPs:

- A. Brush Fabric Barrier- MDEQ specification attached.
- B. Sediment Barrier (Silt Fence)- MDEQ specification attached.
- C. Sediment Basin- MDEQ specification attached.

Section 3: Good Housekeeping BMPs

Material Handling and Waste Management:

- A. Construction equipment, tools, etc. should be stored in a central location when not in use.
- B. Garbage and other waste materials should be properly disposed.
- C. A wash out facility shall be installed at least 50 feet upstream of any stormdrains.
- D. All sanitary facilities shall be installed at least 50 feet upstream of any stormdrains.
- E. An area for equipment and vehicle fueling and maintenance shall be located on the site at least 50 feet upstream of any storm drains.
- F. All fuel tanks shall be double walled or placed inside a berm lined with an impervious layer with at least 110% containment. See detail on sheet ED-1.
- G. See the attached MDEQ specification for housekeeping for further information regarding these items.

Section 4: Maintenance

- A. Site Preparation BMPs: Inspect these items weekly at a minimum and following each 1/2" rain event in 24 hours. Below are more specific maintenance requirements
 - 1 *Construction Exit Pad:* Inspect daily for large chunks of soil. Inspect following heavy use and after each storm event.
 - 2 *Topsoil:* Inspect until vegetation is established.
- B. Surface stabilization BMPs: Inspect these items weekly at a minimum and following each 1/2" rain event in 24 hours. Below are more specific maintenance requirements:
 - 1 *Dust Control:* Inspect construction site during vehicular traffic or windy conditions until the site is stabilized.
 - 2 *Housekeeping Practices:* Inspect once per week and following each 1/2" rain event in 24 hours. See specifications and sheets EC-1, EC-2, and EC-3 for further maintenance for individual BMPs.
 - 3 *Mulching:* Inspect weekly and following each rain event. Continue inspections until vegetation is well established.
 - 4 *Permanent Seeding:* Inspect weekly until vegetative cover is established. Generally, vegetation is not determined to be fully established until it has been maintained for one year.
 - 5 *Temporary Seeding:* Inspect for erosion weekly until established. After establishment, inspect monthly.
- C. Runoff Conveyance BMPs: Inspect these items weekly at a minimum and following each 1/2" rain event in 24 hours. Below are more specific maintenance requirements:

- 1 *Check Dam*: Inspect for rock displacement and abutments following each storm event.
 - 2 *Outlet Protection*: Inspect following heavy rain events to see if stones have become dislodged. If so, replace with a larger size stone.
- D. *Sediment Control BMPs*: Inspect these items weekly at a minimum and following each ½" rain event. Below are more specific maintenance requirements:
- 1 *Brush/Fabric Barrier*: Inspect weekly and remove sediment once it reaches half the depth of the original fabric height.
 - 2 *Sediment Barrier (Silt Fence)*: Inspect weekly for anchorage and tears. Remove sediment and replace the fabric once sediment has reached half the height of the fence.
 - 3 *Sediment Pond*: Inspect the depth of sediment monthly. Remove sediment once it reaches half the basin volume.
- E. *Specifications*: See the attached MSDEQ specifications for additional maintenance of all BMPs.

Insert EC-1 & EC-2

Insert Volume 1 page 4-6 thru 4-11

Insert Volume 1 page 4-20 – 4-24

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