

Developing a Stormwater Pollution Prevention Plan

Stormwater Pollution Prevention Plan (SWPPP) -
Site Application

Project Information:

Project Name/Site Name: _____

Address: _____

City, State, Zip: _____

Subdivision, if applicable: _____

Latitude and Longitude (for Large Construction Permit - ≥ 5 acres or part of overall development):

Latitude- _____ deg. _____ min. _____ sec. Longitude- _____ deg. _____ min. _____ sec.

Method of determining latitude and longitude: _____

LPDES General Permit Number: _____
(Large Construction Activities will require submittal of NOI Authorization number upon receipt from LDEQ.)

LDEQ Authorization Number of Overall Development (if applicable): LAR _____

Owner of Property:

Name: _____

Address: _____

City, State, Zip: _____

Telephone Number with area code; include office, cell, and fax: _____

Email Address: _____

Is owner acting as the General Contractor for the project? yes no

General Contractor:

Name of Company: _____

Address: _____

City, State, Zip: _____

Contact Name (Project Manager): _____

Site Supervisor: _____

Telephone Number with area code: _____

Fax Number with area code: _____

Cell Number with area code: _____

Email Address: _____

Area of Control (Building, Earthwork, Electrical, Mechanical, Etc.):

Subcontractor: (Use more sheets if needed to list all subcontractors disturbing site soil)

Name of Company: _____

Address: _____

City, State, Zip: _____

Contact Name (Project Manager): _____

Site Supervisor: _____

Telephone Number with area code: _____

Fax Number with area code: _____

Cell Number with area code: _____

Email Address: _____

Area of Control (Building, Earthwork, Electrical, Mechanical, Etc.):

Stormwater Manager and SWPPP Contact (If different from above):

Name of Company: _____

Address: _____

City, State, Zip: _____

Contact: _____

Telephone Number with area code: _____

Fax Number with area code: _____

Cell Number with area code: _____

Email Address: _____

Preparer of SWPPP:

Name of Company: _____

Address: _____

City, State, Zip: _____

Contact: _____

Telephone Number with area code: _____

Fax Number with area code: _____

Cell Number with area code: _____

Email Address: _____

Emergency 24 Hour Contact:

Name: _____

Telephone Number, including area code: _____

Soils, Slopes, Vegetation, and Current Drainage Patterns:

Describe existing soil conditions at the construction site including slopes, drainage patterns, and other topographic features that may affect erosion and sediment control.

1. What type of soil is contained on the site? _____
2. Is existing site soil susceptible to erosion? _____

Note any historic or visible site contamination evident from existing site features and know past usage of the site.

Estimate the area to be disturbed by excavation, grading, or other construction activities, including dedicated off-site borrow and fill areas. Please complete chart below.

Total Construction Site Area	Acres
Construction Site Area to be Disturbed	Acres
Percentage Impervious Area Before Construction	%
Runoff Coefficient Before Construction (Use 0.35 if open site or if not known)	
Percentage Impervious Area After Construction	%
Runoff Coefficient After Construction (Use 0.50 for residential if not known)	

Receiving Waters:

List the water body or water bodies that would receive stormwater from your site, including streams, bayou, creek, pond, rivers, lakes, and wetlands. Describe each as clearly as possible. Note any stream crossings. List the storm sewer system or drainage system that stormwater from your site could discharge to and the water body that it ultimately discharges to.

1. Where is the nearest catch basin to the site? _____
2. Is site near a named waterway? yes no Name: _____
3. Provide name of receiving water _____

Describe any wetland or special aquatic site at or near the construction site that will be affected OR that will receive stormwater from disturbed areas.

Add more sheets if necessary

Potential Sources of Pollution:

Identify and list all potential sources of sediment from construction materials and activities which may reasonably be expected to affect the quality of stormwater discharges from the construction site. Identify and list all potential sources of pollution, other than sediment, from construction materials and activities which may reasonably be expected to affect the quality of stormwater discharges from the construction site.

Allowable non-storm water discharges that could occur during construction on this project, which would therefore be covered by the General Permit, include:

1. Discharges from fire fighting activities;
2. Fire hydrant flushings;
3. Water used to wash vehicles where detergents are not used;
4. Waters used to control dust in accordance with Part IV.D.2. (2) of General Permit;
5. Potable water sources including waterline flushings;
6. Routine external building washdown which does not use detergents;
7. Pavement washwaters 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;
8. Air conditioning condensate; uncontaminated ground water or spring water;
9. Foundation or footing drains where flows are not contaminated with process materials such as solvents;
10. Uncontaminated excavation dewatering; and
11. Landscape irrigation.

Add more sheets if necessary

Endangered Species Certification:

Before commencing construction, determine whether endangered species or threatened species or their critical habitats are on or near your site. Complete the questions below and describe how this determination was made.

Current Fish & Wildlife Threatened and Endangered List for Rapides Parish:

<u>Species</u>	<u>Group</u>	<u>Status</u>
Bald Eagle	Bird	Threatened
Louisiana Pearlshell Mussel	Mollusc	Threatened
Pallid Sturgeon	Fish	Endangered
Red Cockaded Woodpecker	Bird	Endangered

Are endangered species or threatened species and their critical habitats on or near the project area?

Yes No

Contacts:

Fish and Wildlife Service
646 Cajundome Blvd.
Suite 400
Lafayette, LA 70506
(337) 291-3124

National Marine Fisheries Service
Southeast Regional Office
9721 Executive Center Drive North
St. Petersburg, FL 33702
(727) 570-5301

Describe how this determination was made (Visual inspection, solicit agency response, website verification, etc.):

If yes, describe the species and/or critical habitat:

Steps taken to address the impact on the species and/or critical habitat:

Historic Preservation:

Before you begin construction, you should review federal and any applicable state, local, or tribal historical preservation laws and determine if there are historic sites on or near your project. If so, you may need to make adjustments to your construction plans or to your stormwater controls to ensure that these historic sites are not damaged.

Have historical property or properties been identified in the path of the stormwater discharge or where construction activities are planned to install BMPs to control such discharge?

- Yes No

Contact: Louisiana, SHPO, Office of Cultural Development, P.O. Box 44247, Baton Rouge, LA 70804-4247. For questions contact the Section 106 Review Coordinator, Telephone: (225) 342-8170. www.crt.state.la.us

Describe how this determination was made (Visual inspection, solicit agency response, website verification, etc.):

If historical properties were identified, were they determined to be affected by the discharge or construction of the BMPs to control this discharge?

- Yes No

Describe how this determination was made (Visual inspection, solicit agency response, website verification, etc.):

If the historic properties are identified in the path of a facility's stormwater discharge or where construction activities are planned to install BMPs to control such discharges, and it is determined that there is the potential to adversely affect the property, the applicant can still meet permit eligibility if he/she obtains and complies with a written agreement with the State Historic Preservation Officer which outlines measures the applicant will follow to mitigate or prevent those adverse effects. The contents of such a written agreement must be included in the facility's pollution prevention plan.

Maps:

Attach at least two site maps to this application. The first should be a general location map. The second map or maps (SWPPP) should be created to show the developed site or the major phases of development. The map should include:

- Direction(s) of stormwater flow using directional arrows and approximate slopes before and after major grading activities.
- Areas and timing of soil disturbance and areas that will not be disturbed.
- Natural features to be preserved.
- Locations of major structural and non-structural BMPs, (such as silt fences, erosion blankets, etc.) identified in the SWPPP
- Locations and timing of stabilization measures
- Locations of off-site material, waste, or equipment storage areas
- Locations of all waters of the US, including wetlands, if known
- Locations where stormwater discharges to a surface water
- Location of storm drain inlets
- Areas where final stabilization has been completed

Erosion and Sediment Control BMPs:

Describe the BMPs that will be implemented to control pollutants in stormwater discharges. Activity examples include:

- Clearly describe appropriate on-site control measure.
- Describe the general sequence during the construction process in which the measures will be implemented.
- Describe the maintenance and inspection procedures that will be undertaken for the specific BMPs.
- Identify staff responsible for maintaining the BMPs.
- Minimize Disturbed Area and Protect Natural Features and Soil
- Control stormwater flowing onto and through the project
- Stabilize soils
- Protect slopes
- Protect storm drain inlets
- Establish perimeter controls and sediment barriers
- Retain sediment on-site and control dewatering practices
- Establish stabilized construction exits
- Materials handling and waste management
- Building material staging area
- Designated washout area
- Additional BMPs as required

Good Housekeeping BMPs:

Describe key good housekeeping and pollution prevention measures that will be implemented to control pollutants in stormwater.

What type of trash/debris disposal is provided for project? _____

Post-Construction BMPs:

Describe all post-construction stormwater management measures that will be installed during the construction process to control pollutants in stormwater discharges after construction operations have been completed. Check all post-construction BMPs that will be implemented as part of your project:

- Biofilters
- Detention/retention devices
- Earth dikes, drainage swales, and lined ditches
- Infiltration basins
- Porous pavement
- Other proprietary permanent structural BMPs
- Outlet protection/velocity dissipation devices
- Slope protection
- Vegetated strips and/or swales
- Other: _____

Inspections:

Identify the person(s) who will be responsible for conducting inspections and procedures you have developed for your site, including frequency of inspections for each BMP or group of BMPs, indicate when you will inspect. Describe the general procedures for correcting problems when they are identified. Include responsible staff and timeframes for making corrections.

Inspections must be conducted in accordance with one of the two schedules listed below. You must specify in the SWPPP which schedule will be followed. Choose one:

- At least once every 7 days, or
- At least once every 14 days, before anticipated storm events (or series of storm events such as intermittent showers over one or more days) and within 24 hours of the end of a storm event of 0.5 inches or greater.

Maintenance of Controls:

Summarize routine maintenance of structural and non-structural BMPs. Include schedules (daily, weekly, etc.) as well as the staff responsible. Maintenance procedures for individual BMPs should be included. Specific maintenance activities can be documented in the corrective action log described below.

Corrective Action Log:

Create a corrective action log. The log should describe repair, replacement, and maintenance of the BMPs undertaken based on the inspections and maintenance procedures. Actions related to the findings of inspections should reference the specific inspection report. This log should describe action taken; date completed, and notes the person that completed the work.

Final Stabilization:

Describe procedure for final stabilization. Update your plan to indicate areas that have achieved final stabilization.

Final stabilization means that:

- (i) All soil disturbing activities at the site have been completed and either of the two following criteria are met:
- (ii) When background native vegetation will cover less than 100 percent of the ground, (e.g. arid areas, beaches), the 70 percent coverage criteria is adjusted as follows: if the native vegetation covers 50 percent of the ground, 70 percent of 50 percent ($0.70 \times 0.50 = 0.35$) would require 35 percent total cover for final stabilization. On a beach with no natural vegetation, no stabilization is required.
- (iii) In arid and semi arid areas only all soil disturbing activities at the site have been completed and both following criteria have been met:
 - a. Temporary erosion control measures (e.g. degradable rolled erosion control products) are selected, designed, and installed along with an appropriate seed base to provide erosion control for at least three years without active maintenance by you.
 - b. The temporary erosion control measures are selected, designed, and installed to achieve 70 percent vegetative coverage within three years.
- (iv) For individual lots in residential construction, final stabilization means that either:
 - a. The homebuilder has completed final stabilization as specified above, or
 - b. The homebuilder has established temporary stabilization including perimeter controls for an individual lot prior to occupation of the home by the homeowner and informing the homeowner of the need for, and benefits of, final stabilization.
- (v) For construction projects on land used for agricultural purposes (e.g. pipelines across crop or range land, staging areas for highway construction, etc.), final stabilization may be accomplished by returning the disturbed land to its preconstruction agricultural use. Areas disturbed that were not previously used for agricultural activities, such as buffer strips immediately adjacent to "water of the State," and areas which are not being returned to their preconstruction agricultural use must meet the final stabilization criteria (i) or (ii) or (iii) above.

Describe methods by which final stabilization will be achieved for the site (Check all that apply):

- Sod
- Seed
- Hydroseed
- Rip-rap
- Erosion control matting
- Other: _____

Recordkeeping:

The permittee shall retain copies of SWPPP and all reports required by the permit, and records of all data used to complete the NOI to be covered by the permit, for a period of at least three years from the date that the site is finally stabilized. This period may be extended by request of the LDEQ at any time.

The permittee shall retain a copy of the SWPPP required by the permit, including copy of the permit, at the construction site or other location accessible to DEQ, the City of Alexandria, and the public from the date of the project initiation to the date of final stabilization. The permittees with day to day operation control over pollution prevention plan implementation shall have a copy of the plan available at a central location on-site for the use of all operators and those identified as having responsibilities under the plan whenever they are on the construction site. A copy of the plan must be readily available to inspectors during normal business hours.

Certification and Notification:

The SWPPP should be signed and certified by the construction operator(s). Attach a copy of the NOI and permit authorization letter from the LA Department of Environmental Quality. Sign the following certification statement.

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.

Printed Name: _____ Title: _____

Signature: _____ Date: _____

Attachments:

- General location/vicinity map
- Site map(s) including BMP specifications and details - SWPPP
- Copy of NOI and authorization letter from DEQ (Large Construction Sites)

