



## Construction Best Management Practices Plan (CBMPP)

### Instructions

To help you develop the narrative section of your construction site CBMPP, the Alabama Department of Environmental Management (ADEM) has created this electronic CBMPP template. The template is designed to help guide you through the CBMPP development process and help ensure that your CBMPP addresses all the necessary elements for a complete application. You should use this template (available at [www.adem.alabama.gov](http://www.adem.alabama.gov)) with the *Alabama Handbook for Erosion Control, Sediment Control and Stormwater Management on Construction Sites and Urban Areas June 2003 (Revised 03/09)*. The handbook is available at [http://swcc.alabama.gov/pages/erosion\\_control.aspx?sm=b\\_b](http://swcc.alabama.gov/pages/erosion_control.aspx?sm=b_b).

**You are required by Part III.A. of the Construction General Permit, ALR100000, to develop a CBMPP which** reflects the requirements of the permit, as well as the conditions at your site. This template is intended to be used as a guide in development of your site's CBMPP, thus it should be customized for your site.

#### *Using the CBMPP Template*

Each section of this template includes "instructions" and space for project information. You should read the instructions for each section before you complete that section. This template is available in Word format if requested. The header can be customized to allow you to insert your own company logo. Some sections may require only a brief description while others may require several pages of explanation.

Prior to printing and submitting your CBMPP, delete all instructions.

#### *Tips for completing the CBMPP template*

- Modify this CBMPP template so that it addresses the requirements of the Construction General Permit ALR100000 and meets the needs of your project. Consider adding permit citations in the CBMPP when you address a specific permit requirement(s).
- In accordance with Part III.A 12. of the permit, the Permittee is required to implement measures or requirements to achieve the pollutant reductions consistent with a TMDL finalized or approved by EPA. Applicable TMDLs are located and/or can be accessed at <http://adem.alabama.gov/programs/water/approvedTMDLs.htm>
- In accordance with Part III.A 13. (a) of the permit, sediment control measures, erosion control measures, and other site management practices are required to be properly selected based on site-specific conditions, and installed and maintained to effectively minimize discharges for storm events up to and including a 2-year, 24-hour storm event.
- In accordance with Part III.A 13. (b) of the permit, sediment control measures, erosion control measures, and other site management practices selected for the purposes of complying with this permit must meet or exceed the technical standards outlined in the Alabama Handbook and the site-specific CBMPP prepared in accordance with Part III.D.
- In accordance with Part III.A 13. (c) of the permit, the Permittee is encouraged to design the site, the erosion prevention measures, sediment controls measures, and other site management practices with consideration of minimizing stormwater runoff, both during and following construction, including facilitating the use of low-impact development (LID) and green technologies.

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# Construction Best Management Practices Plan

**for:**

Insert Project Name  
Insert Project Site Location/Address  
Insert City, State, Zip Code  
Insert Project Site Telephone Number (if applicable)

**Permittee:**

Insert Company or Organization Name  
Insert Name  
Insert Address  
Insert City, State, Zip Code  
Insert Telephone Number  
Insert Fax/Email

**CBMPP Contact(s) / QCP:**

Insert Company or Organization Name  
Insert Name  
Insert Address  
Insert City, State, Zip Code  
Insert Telephone Number  
Insert Fax/Email

**CBMPP Preparation Date:**

\_\_\_/\_\_\_/\_\_\_\_\_

*Estimated Project Dates:*

**Project Start Date:** \_\_\_/\_\_\_/\_\_\_\_\_  
**Project Completion Date:** \_\_\_/\_\_\_/\_\_\_\_\_

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## SECTION 1: SITE EVALUATION, ASSESSMENT, AND PLANNING

### 1.1 Project/Site Information

**Instructions:**

- In this section, you can gather some basic site information that will be helpful to you later when you file for permit coverage.
- Detailed information on determining your site's latitude and longitude can be found at [www.epa.gov/npdes/stormwater/latlong](http://www.epa.gov/npdes/stormwater/latlong)

**Permit Requirement(s):**

Part III.D.3. (a) A general description of the construction site activity, including:

- The function of the construction site activity (e.g. residential subdivision, shopping mall, highway, etc.); and
- Identification of all known operators of the construction site, and the areas of the site over which each operator has control.

Project/Site Name: \_\_\_\_\_

Project Street/Location: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ ZIP Code: \_\_\_\_\_

County: \_\_\_\_\_

Total Disturbed Acres: \_\_\_\_\_

Latitude/Longitude of the Project Site (front gate). [Use **one** of three possible formats, and specify method]

Latitude:

Longitude:

1. \_\_° \_\_' \_\_" N (degrees, minutes, seconds)

1. \_\_° \_\_' \_\_" W (degrees, minutes, seconds)

2. \_\_° \_\_. \_\_' N (degrees, minutes, decimal)

2. \_\_° \_\_. \_\_' W (degrees, minutes, decimal)

3. \_\_. \_\_\_\_° N (decimal)

3. \_\_. \_\_\_\_° W (decimal)

Method for determining latitude/longitude:

USGS topographic map (specify scale): \_\_\_\_\_  EPA Web site  GPS

Other (please specify): \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

## 1.2 Contact Information/Responsible Parties

**Instructions:**

- List the permittee, project managers, stormwater contact(s), and person or organization that prepared the CBMPP. Indicate respective responsibilities, where appropriate.

**Permittee:**

Insert Company or Organization Name:

Insert Name:

Insert Address:

Insert City, State, Zip Code:

Insert Telephone Number:

Insert Fax/Email:

Insert area of control (if more than one operator at site):

Repeat as necessary

**Project Manager(s) or Site Supervisor(s):**

Insert Company or Organization Name:

Insert Name:

Insert Address:

Insert City, State, Zip Code:

Insert Telephone Number:

Insert Fax/Email:

Insert area of control (if more than one operator at site):

Repeat as necessary

**CBMPP Contact(s) / QCP:**

Insert Company or Organization Name:

Insert Name:

Insert Address:

Insert City, State, Zip Code:

Insert Telephone Number:

Insert Fax/Email:

Insert area of control (if more than one operator at site):

Repeat as necessary

**QCI or Qualified Person(s):**

Insert Company or Organization Name:

Insert Name:

Insert Address:

Insert City, State, Zip Code:

Insert Telephone Number:

Insert Fax/Email:

Insert area of control (if more than one operator at site):

Repeat as necessary

**This CBMPP was Prepared by:**

Insert Company or Organization Name:

Insert Name:

Insert Address:

Insert City, State, Zip Code:

Insert Telephone Number:

Insert Fax/Email:

**Emergency 24-Hour Contact:**

Insert Company or Organization Name:

Insert Name:

Insert Telephone Number:

### 1.3 Nature and Sequence of Construction Activity

**Instructions:**

- Briefly describe the nature of the construction activity and approximate time frames (one or more paragraphs, depending on the nature and complexity of the project).

**Permit Requirement(s):**

Part III.D.3. (b) requires a description of the intended sequence of major activities which disturb soils, including but not limited to, grubbing, excavation, and/or grading.

Part III.D.3. (c) requires estimates of the total area expected to be disturbed by grubbing, excavation, and/or grading, including offsite borrow and fill areas.

**Table 1. Intended Sequence and BMP Implementation**

Estimated Dates of Activity	Construction Activity and BMPs to be Implemented

Tab to add additional entries if needed.

Proposed Activity(ies) to be Conducted:

- Residential   
  Commercial   
  Industrial   
  Road Construction   
  Linear Utility  
 Other (please specify): \_\_\_\_\_

Lot(s) or Parcel(s) Covered under this Permit:



**Table 2: Multiple Operators**

Operator Name	Contact Information	Area of Control

Tab to add additional entries if needed.

### 1.4 Receiving Waters

**Instructions:**

- List the waterbody(s) that would receive stormwater from your site, including streams, rivers, lakes, coastal waters, and wetlands. Describe each as clearly as possible, such as *Mill Creek, an unnamed tributary to Mill Creek*, and so on.
- Indicate the location of all waters, including wetlands, on the site map.
- Note any stream crossings, if applicable.
- List the storm sewer system or drainage system that stormwater from your site could discharge to and the waterbody(s) that it ultimately discharges to.
- If any of the waterbodies above are Outstanding Alabama Waters (OAW), Outstanding National Resource Waters (ONRW), or Treasured Alabama Lake (TAL) your CBMPP should specifically include all reasonable measures to ensure the discharges from your site will not interfere with the waterbody(ies) designated use. For a list of OAW, ONRW, and TAL waterbodies see: [www.adem.state.al.us/WaterDivision/WQuality/WQUseClass.htm](http://www.adem.state.al.us/WaterDivision/WQuality/WQUseClass.htm)
- If any of the waterbodies above are impaired and/or subject to Total Maximum Daily Loads (TMDLs), please list the pollutants causing the impairment and any specific requirements in the TMDL(s) that are applicable to construction sites. Your CBMPP should specifically include all reasonable measures to prevent the discharge of these pollutants.
- Also, for a list of TMDLs and 303(d) impaired waters, see:  
<http://www.adem.state.al.us/programs/water/approvedTMDLs.htm>  
<http://www.adem.state.al.us/programs/water/303d.cnt>

Description of receiving waters:

Description of storm sewer systems:

Description of impaired waters or waters subject to TMDLs:

Other:

## 1.5 Potential Sources of Pollution

**Instructions:**

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

Potential sources of sediment to stormwater runoff:

[INSERT TEXT OR TABLE HERE](#)

Potential pollutants and known sources, other than sediment, to stormwater runoff:

[INSERT TEXT OR USE TABLE BELOW](#)

**Table 3. Known Potential Pollutants**

<b>Trade Name Material</b>	<b>Potential Known Stormwater Pollutants</b>	<b>Storage Location</b>

[Tab to add additional entries if needed.](#)

## 1.6 Maps

### Instructions:

- Attach site maps. For most projects, a series of site maps is recommended. The first should show the undeveloped site and its current features. An additional map or maps should be created to show the developed site or for more complicated sites show the major phases of development.
- Attach to the Registration, a 7.5 minute series USGS topographic map(s) or equivalent map(s) no larger than 11 by 17 inches (several pages may be necessary) of the area extending to at least one-mile beyond property boundaries. The topographic or equivalent map(s) must include a caption indicating the name of the topographic map, name of the registrant, site name, county, and township, range, & section(s) where the project site is located.

### A site topographic map(s) (e.g.USGS quadrangle map), clearly showing:

- Sufficient detail to identify the location of the construction site;
- For non-linear projects, pre-construction contours at a sufficient interval to adequately determine pre-construction stormwater runoff patterns throughout the site. These pre-construction contours must be certified by a professional engineer or land surveyor presently licensed by the Board of Registration for Professional Engineers and Land Surveyors;
- The external and internal (if subdivided) property boundaries of the project;
- Areas to be disturbed by excavation, grading, or other activities;
- Identification of sediment control measures, erosion control measures, planned stabilization measures, and other site management practices;
- Locations of all waters of the state within a 1 mile radius of the site
- Locations of wetlands and riparian zones;
- Locations of all points of discharge to waters of the State; and
- Locations of all stormwater monitoring points (if sampling is required)

Include the site maps with the CBMPP.

## SECTION 2: EROSION AND SEDIMENT CONTROL BMPS

### Instructions:

- Describe the BMPs that will be implemented to control pollutants in stormwater discharges. Selection of the appropriate BMPs relies upon the proper characterization of the project site and accurate evaluation of the anticipated erosion and the effectiveness of proposed erosion and sediment control practices. The NRCS Revised Universal Soil Loss Equation Version 2 (RUSLE2) model is a useful modeling tool in estimating erosion rates and sediment yield. There are several benefits of using RUSLE2, specifically the ability to use a quantitative iterative process to select the most appropriate combination of permanent and temporary Best Management Practices (BMPs) for soil stabilization and erosion and sedimentation control during the construction and post-construction project phases. For each major activity identified:
  - Clearly describe appropriate control measures.
  - Describe the general sequence during the construction process in which the BMP measures will be implemented.
  - Describe the maintenance and inspection procedures that will be used for each specific BMP.
  - Include protocols, thresholds, and schedules for cleaning, repairing, or replacing damaged or failing BMPs.
  - Identify staff responsible for maintaining BMPs.
  - Categorize each BMP under one of the following 10 areas of BMP activity as described below:
    - 2.1 Minimize disturbed area and protect natural features and soil**
    - 2.2 Phase Construction Activity**
    - 2.3 Control Stormwater flowing onto and through the project**
    - 2.4 Stabilize Soils**
    - 2.5 Stabilize Slopes**
    - 2.6 Protect Storm Drain Inlets**
    - 2.7 Establish Perimeter Controls and Sediment Barriers**
    - 2.8 Retain Sediment On-Site**
    - 2.9 Establish Stabilized Construction Exits**
    - 2.10 Any Additional BMPs (i.e., stream crossing protection, stream bank protection)**
- Note the location of each BMP on your site map(s).
- You must submit Material Safety Data Sheets (MSDS) before anionic polymers or polyacrylamides (PAM) can be applied.
- For all BMPs, you should provide design specifications and details and refer to them. Attach them as appendices to the CBMPP or within the text of the CBMPP.
- Consult the Alabama Handbook for Erosion Control, Sediment Control and Stormwater Management on Construction Sites and Urban Areas June 2003 (Revised, 03/09) [http://swcc.alabama.gov/pages/erosion\\_control.aspx?sm=b\\_b](http://swcc.alabama.gov/pages/erosion_control.aspx?sm=b_b)
- For more information or ideas on BMPs, see EPA's National Menu of BMPs [www.epa.gov/npdes/stormwater/menuofbmps](http://www.epa.gov/npdes/stormwater/menuofbmps)
- For more information regarding the NRCS RUSLE2, see [http://fargo.nserl.purdue.edu/rusle2\\_dataweb/About\\_RUSLE2\\_Technology.htm](http://fargo.nserl.purdue.edu/rusle2_dataweb/About_RUSLE2_Technology.htm)

### Permit Requirement(s):

Part III.A.12. requires the Permittee to implement erosion control and sediment control measures or requirements to achieve the pollutant reductions consistent with a TMDL finalized or approved by EPA. Applicable TMDLs are located and/or can be accessed at <http://adem.alabama.gov/programs/water/approvedTMDLs.htm>

Part III.A.13. requires that the erosion control and sediment control measures to be designed, implemented, and maintained to, at a minimum, address the following additional design requirements:

- a) Sediment control measures, erosion control measures, and other site management practices must be properly selected based on site-specific conditions, must meet or exceed the technical standards outlined in the Alabama Handbook and the site-specific CBMPP prepared in accordance with Part III.D.
- b) Unless specified otherwise by the Alabama Handbook, sediment control measures, erosion control measures, and other site management practices shall be designed and maintained to minimize erosion and maximize sediment removal resulting from a 2-year, 24-hour storm event.
- c) The Permittee is encouraged to design the site, the erosion prevention measures, sediment controls measures, and other site management practices with consideration of minimizing stormwater runoff, both during and following construction, including facilitating the use of low-impact development (LID) and green technologies.

## 2.1 Phase Construction Activity

### Instructions:

- Describe the areas that will be disturbed with each phase of construction and the methods (e.g., signs, fences) that you will use to protect those areas that should not be disturbed. Describe natural features and how each will be protected during construction activity. Also describe how topsoil will be stockpiled appropriately. Include these areas and associated BMPs on your site map(s) also.
- Also, see EPA's *Preserving Natural Vegetation BMP Fact Sheet* at [www.epa.gov/npdes/stormwater/menuofbmps/construction/perserve\\_veg](http://www.epa.gov/npdes/stormwater/menuofbmps/construction/perserve_veg)
- Describe the intended construction sequencing and timing of major activities, including any opportunities for phasing grading and stabilization activities to minimize the overall amount of disturbed soil that will be subject to potential erosion at one time. Also, describe opportunities for timing grading and stabilization so that all or a majority of the soil disturbance occurs during a time of year with less erosion potential (i.e., during the dry or less windy season). Develop a separate, detailed site map for each phase of construction.
- Consult the Alabama Handbook for Erosion Control, Sediment Control and Stormwater Management on Construction Sites and Urban Areas June 2003 (Revised, 03/09)
- Also, see EPA's *Construction Sequencing BMP Fact Sheet* at [www.epa.gov/npdes/stormwater/menuofbmps/construction/cons\\_seq](http://www.epa.gov/npdes/stormwater/menuofbmps/construction/cons_seq)

### Permit Requirements:

Part III.A.3. requires the Permittee to design, install and maintain effective erosion and sediment control measures appropriate for site conditions to, at a minimum, minimize the amount of soil exposed during construction activity through the use of project phasing or other appropriate techniques.

Part III.D.3. (d) requires a detailed description of the erosion controls, sediment controls, and management practices to be implemented at the site during each sequence of activity in accordance with Part III.A.

- Phase I
  - Describe phase
  - Duration of phase (start date, end date)
  - List BMPs associated with this phase
  - Describe stabilization methods for this phase (describe any temporary stabilization methods that will be used before final stabilization)
- Phase II
  - Describe phase
  - Duration of phase (start date, end date)
  - List BMPs associated with this phase
  - Describe stabilization methods for this phase (describe any temporary stabilization methods that will be used before final stabilization)

Repeat as needed

## 2.2 Control Stormwater Flowing onto and through the Project

**Instructions:**

- Describe structural practices (e.g., diversions, berms, ditches, storage basins) including design specifications and details used to divert flows from exposed soils, retain or detain flows, or otherwise limit runoff and the discharge of pollutants from exposed areas of the site.
- Consult the Alabama Handbook for Erosion Control, Sediment Control and Stormwater Management on Construction Sites and Urban Areas June 2003 (Revised, 03/09)

**Permit Requirement(s):**

Part III.A.1. requires the Permittee to design, install and maintain effective erosion and sediment control measures appropriate for site conditions to, at a minimum, control stormwater volume and velocity within the site to minimize soil erosion.

Part III.A.2. . requires the Permittee to design, install and maintain effective erosion and sediment control measures appropriate for site conditions to, at a minimum, control stormwater discharges, including both peak flow rates and total stormwater volume, to minimize erosion at outlets and to minimize downstream channel and streambank erosion.

**Permanent**

**Temporary**

**Detailed BMP Description:**

<b>Maintenance:</b>	
<b>Inspection:</b>	
<b>Responsible Staff:</b>	

**Permanent**

**Temporary**

**Detailed BMP Description:**

<b>Maintenance:</b>	
<b>Inspection:</b>	
<b>Responsible Staff:</b>	

Repeat as needed

## 2.3 Stabilize Soils

**Instructions:**

- Describe controls (e.g., interim seeding with native vegetation, hydroseeding) to stabilize exposed soils where construction activities have temporarily or permanently ceased. Also describe measures to control dust generation. Avoid using impervious surfaces for stabilization whenever possible.
- Vegetation or cover of all disturbed areas when disturbance is complete.
- Consult the Alabama Handbook for Erosion Control, Sediment Control and Stormwater Management on Construction Sites and Urban Areas June 2003 (Revised, 03/09)
- Also, see EPA's Seeding BMP Fact Sheet at [www.epa.gov/npdes/stormwater/menuofbmps/construction/seeding](http://www.epa.gov/npdes/stormwater/menuofbmps/construction/seeding)

**Permit Requirement(s):**

Part III.A.6. requires the Permittee to design, install and maintain effective erosion and sediment control measures appropriate for site conditions to, at a minimum, minimize the generation of dust.

Part III.B. requires that final stabilization of disturbed areas must, at a minimum, be initiated immediately whenever any clearing, grading, excavating or other earth disturbing activities have permanently ceased on any portion of the site. Temporary stabilization of disturbed areas must be initiated immediately whenever work toward project completion and final stabilization of any portion of the site has temporarily ceased on any portion of the site and will not resume for a period exceeding thirteen (13) calendar days.

**Permanent**

**Temporary**

**Detailed BMP Description:**

<b>Maintenance:</b>	
<b>Inspection:</b>	
<b>Responsible Staff:</b>	

**Permanent**

**Temporary**

**Detailed BMP Description:**

<b>Maintenance:</b>	
<b>Inspection:</b>	
<b>Responsible Staff:</b>	

Repeat as needed

## 2.4 Stabilize Slopes

**Instructions:**

- Describe controls (e.g., erosion control blankets, tackifiers) including design specifications and details that will be implemented to protect all slopes.
- See EPA's *Geotextiles BMP Fact Sheet* at [www.epa.gov/npdes/stormwater/menuofbmps/construction/geotextiles](http://www.epa.gov/npdes/stormwater/menuofbmps/construction/geotextiles)
- Also, see *Alabama Handbook for Erosion Control, Sediment Control and Stormwater Management on Construction Sites and Urban Areas June 2003 (Revised, 03/09)*  
[http://swcc.alabama.gov/pages/erosion\\_control.aspx?sm=b\\_b](http://swcc.alabama.gov/pages/erosion_control.aspx?sm=b_b).

**Permit Requirement(s):**

Part III.A.4 . requires the Permittee to design, install and maintain effective erosion and sediment control measures appropriate for site conditions to, at a minimum, minimize the disturbance of steep slopes, unless infeasible.

**Permanent**

**Temporary**

**Detailed BMP Description:**

<b>Maintenance:</b>	
<b>Inspection:</b>	
<b>Responsible Staff:</b>	

**Permanent**

**Temporary**

**Detailed BMP Description:**

<b>Maintenance:</b>	
<b>Inspection:</b>	
<b>Responsible Staff:</b>	

Repeat as needed



## 2.5 Protect Storm Drain Inlets

**Instructions:**

- Describe controls (e.g., inserts, rock-filled bags, or block and gravel) including design specifications and details that will be implemented to protect all inlets receiving stormwater from the project during the entire project.
- See EPA's *Storm Drain Inlet Protection BMP Fact Sheet* at [www.epa.gov/npdes/stormwater/menuofbmps/construction/storm\\_drain](http://www.epa.gov/npdes/stormwater/menuofbmps/construction/storm_drain)
- Also, see *Alabama Handbook for Erosion Control, Sediment Control and Stormwater Management on Construction Sites and Urban Areas June 2003 (Revised, 03/09)* [http://swcc.alabama.gov/pages/erosion\\_control.aspx?sm=b\\_b](http://swcc.alabama.gov/pages/erosion_control.aspx?sm=b_b).

**Permit Requirement(s):**

Part III.A.9. requires that where applicable, storm drain inlet protection measures to be designed, implemented, and maintained to further prevent sediment discharges.

**Permanent**

**Temporary**

**Detailed BMP Description:**

<b>Maintenance:</b>	
<b>Inspection:</b>	
<b>Responsible Staff:</b>	

**Permanent**

**Temporary**

**Detailed BMP Description:**

<b>Maintenance:</b>	
<b>Inspection:</b>	
<b>Responsible Staff:</b>	

Repeat as needed

## 2.6 Establish Perimeter Controls and Sediment Barriers

**Instructions:**

- Describe structural practices (e.g., silt fences or fiber rolls) including design specifications and details to filter and trap sediment before it leaves the construction site.
- See, EPA's *Silt Fence BMP Fact Sheet* at [www.epa.gov/npdes/stormwater/menuofbmps/construction/silt\\_fences](http://www.epa.gov/npdes/stormwater/menuofbmps/construction/silt_fences), or *Fiber Rolls BMP Fact Sheet* at [www.epa.gov/npdes/stormwater/menuofbmps/construction/fiber\\_rolls](http://www.epa.gov/npdes/stormwater/menuofbmps/construction/fiber_rolls)
- Also, see *Alabama Handbook for Erosion Control, Sediment Control and Stormwater Management on Construction Sites and Urban Areas June 2003 (Revised, 03/09)*  
[http://swcc.alabama.gov/pages/erosion\\_control.aspx?sm=b\\_b](http://swcc.alabama.gov/pages/erosion_control.aspx?sm=b_b).

**Permanent**

**Temporary**

**Detailed BMP Description:**

<b>Maintenance:</b>	
<b>Inspection:</b>	
<b>Responsible Staff:</b>	

**Permanent**

**Temporary**

**Detailed BMP Description:**

<b>Maintenance:</b>	
<b>Inspection:</b>	
<b>Responsible Staff:</b>	

Repeat as needed

## 2.7 Retain Sediment On-Site

**Instructions:**

- Describe sediment control practices (e.g., sediment trap or sediment basin), including design specifications and details (volume, dimensions, outlet structure) that will be implemented at the construction site to retain sediments on-site.
- Also, see *Alabama Handbook for Erosion Control, Sediment Control and Stormwater Management on Construction Sites and Urban Areas June 2003 (Revised, 03/09)* [http://swcc.alabama.gov/pages/erosion\\_control.aspx?sm=b\\_b](http://swcc.alabama.gov/pages/erosion_control.aspx?sm=b_b)

**Permit Requirement(s):**

In accordance with Part I.C.8. discharges to surface waters from sediment basins or impoundments is prohibited, unless an outlet structure that withdraws water from the surface, unless infeasible, is utilized.

Part III.A.5. requires the Permittee to design, install and maintain effective erosion and sediment control measures appropriate for site conditions to, at a minimum, minimize sediment discharges from the site.

**Permanent**

**Temporary**

**Detailed BMP Description:**

<b>Maintenance:</b>	
<b>Inspection:</b>	
<b>Responsible Staff:</b>	

**Permanent**

**Temporary**

**Detailed BMP Description:**

<b>Maintenance:</b>	
<b>Inspection:</b>	
<b>Responsible Staff:</b>	

Repeat as needed

## 2.8 Establish Stabilized Construction Exits

**Instructions:**

- Describe location(s) of vehicle entrance(s) and exit(s), procedures to remove accumulated sediment off-site (e.g., vehicle tracking), and stabilization practices (e.g., stone pads or wash racks or both) to minimize off-site vehicle tracking of sediments and discharges to stormwater.
- Consult the *Alabama Handbook for Erosion Control, Sediment Control and Stormwater Management on Construction Sites and Urban Areas June 2003 (Revised, 03/09)*
- Also, see EPA's *Construction Entrances BMP Fact Sheet* at [www.epa.gov/npdes/stormwater/menuofbmps/construction/cons\\_entrance](http://www.epa.gov/npdes/stormwater/menuofbmps/construction/cons_entrance)

**Permit Requirement(s):**

Part III.A.8. requires the Permittee to design, install and maintain effective erosion and sediment control measures appropriate for site conditions to, at a minimum, stabilize all construction entrances and exits; and minimize off-site tracking of sediment from vehicles.

**Permanent**

**Temporary**

**Detailed BMP Description:**

<b>Maintenance:</b>	
<b>Inspection:</b>	
<b>Responsible Staff:</b>	

**Permanent**

**Temporary**

**Detailed BMP Description:**

<b>Maintenance:</b>	
<b>Inspection:</b>	
<b>Responsible Staff:</b>	

Repeat as needed

## 2.9 Additional BMPs

**Instructions:**

- Describe additional BMPs that do not fit into the above categories.
- Also, see *Alabama Handbook for Erosion Control, Sediment Control and Stormwater Management on Construction Sites and Urban Areas June 2003 (Revised, 03/09)*  
[http://swcc.alabama.gov/pages/erosion\\_control.aspx?sm=b\\_b](http://swcc.alabama.gov/pages/erosion_control.aspx?sm=b_b).

**Permit Requirement(s):**

Part III.A.10. requires the Permittee to design, install and maintain effective erosion and sediment control measures appropriate for site conditions to, at a minimum, provide and maintain natural buffers around surface waters, direct stormwater to vegetated areas to increase sediment removal and maximize stormwater infiltration, unless infeasible.

Part III.A.11. requires the Permittee to design, install and maintain effective erosion and sediment control measures appropriate for site conditions to, at a minimum, minimize soil compaction and, unless infeasible, preserve topsoil.

**Permanent**

**Temporary**

**Detailed BMP Description:**

<b>Maintenance:</b>	
<b>Inspection:</b>	
<b>Responsible Staff:</b>	

**Permanent**

**Temporary**

**Detailed BMP Description:**

<b>Maintenance:</b>	
<b>Inspection:</b>	
<b>Responsible Staff:</b>	

Repeat as needed

## SECTION 3: GOOD HOUSEKEEPING (GROUNDS KEEPING) BMPS

**Instructions:**

- Describe the key good housekeeping (grounds keeping) BMPs that will be implemented to control pollutants in stormwater.
- Categorize each good housekeeping BMP under one of the following seven categories:
  - 3.1 *Material Handling and Waste Management*
  - 3.2 *Establish Proper Building Material Staging Areas*
  - 3.3 *Designate Washout Areas*
  - 3.4 *Establish Proper Equipment/Vehicle Fueling and Maintenance Practices*
  - 3.5 *Allowable Non-Stormwater Discharges and Control Equipment/Vehicle Washing*
  - 3.6 *Spill Prevention, Control and Management*
  - 3.7 *Any Additional BMPs*
- Consult the *Alabama Handbook for Erosion Control, Sediment Control and Stormwater Management on Construction Sites and Urban Areas June 2003 (Revised, 03/09)*. [http://swcc.alabama.gov/pages/erosion\\_control.aspx?sm=b\\_b](http://swcc.alabama.gov/pages/erosion_control.aspx?sm=b_b)
- For more information or ideas on BMPs, see EPA's National Menu of BMPs [www.epa.gov/npdes/stormwater/menuofbmps](http://www.epa.gov/npdes/stormwater/menuofbmps)
- Please consider pollution prevention (P2) - ADEM encourages you to exercise pollution prevention practices and alternatives at your facility. Pollution prevention will assist you in complying with permit regulations.

**Permit Requirement(s):**

Part III.D.3 (n) requires a description of the procedures for handling and disposing of wastes generated at the site, including, but not limited to, clearing and demolition debris, sediment removed from the site, construction and domestic waste, hazardous or toxic waste, and sanitary waste.

### 3.1 *Material Handling and Waste Management*

**Instructions:**

- Describe measures (e.g., trash disposal, sanitary wastes, recycling, and proper material handling) to prevent the discharge of solid materials and/or wastes to receiving waters, except as authorized by a permit issued under section 404 of the CWA.
- Also, see EPA's *General Construction Site Waste Management BMP Fact Sheet* at [www.epa.gov/npdes/stormwater/menuofbmps/construction/cons\\_wasteman](http://www.epa.gov/npdes/stormwater/menuofbmps/construction/cons_wasteman)

**Permanent**

**Temporary**

**Detailed BMP Description:**

<b>Maintenance:</b>	
<b>Inspection:</b>	
<b>Responsible Staff:</b>	

*Permanent*

*Temporary*

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***Detailed BMP Description:***

***Maintenance:***

***Inspection:***

***Responsible Staff:***

---

Repeat as needed

### 3.2 Establish Proper Building Material Staging Areas

Instructions:

- Describe construction materials expected to be stored on-site and procedures for storage of materials to minimize exposure of the materials to stormwater.

**Permanent**

**Temporary**

**Detailed BMP Description:**

<b>Maintenance:</b>	
<b>Inspection:</b>	
<b>Responsible Staff:</b>	

**Permanent**

**Temporary**

**Detailed BMP Description:**

<b>Maintenance:</b>	
<b>Inspection:</b>	
<b>Responsible Staff:</b>	

Repeat as needed



### 3.3 Designate Washout Areas

**Instructions:**

- Describe location(s) and controls to eliminate the potential for discharges from washout areas associated with concrete mixers, paint, stucco, etc.
- For more information reference ADEM Administrative Code Chapters 335-6-5 and 335-6-6 for applicable SID and NPDES permit requirements.
- Also, see EPA's *Concrete Washout BMP Fact Sheet* at
- [www.epa.gov/npdes/stormwater/menuofbmps/construction/concrete\\_wash](http://www.epa.gov/npdes/stormwater/menuofbmps/construction/concrete_wash)

**Permanent**

**Temporary**

**Detailed BMP Description:**

<b>Maintenance:</b>	
<b>Inspection:</b>	
<b>Responsible Staff:</b>	

**Permanent**

**Temporary**

**Detailed BMP Description:**

<b>Maintenance:</b>	
<b>Inspection:</b>	
<b>Responsible Staff:</b>	

Repeat as needed

### 3.4 Establish Proper Equipment/Vehicle Fueling and Maintenance Practices

**Instructions:**

- Describe equipment/vehicle fueling and maintenance practices that will be implemented to control pollutants to stormwater (e.g., secondary containment, drip pans, and spill kits).
- For more information reference ADEM Administrative Code Chapters 335-6-5 and 335-6-6 for applicable SID and NPDES permit requirements.
- Also, see EPA's *Vehicle Maintenance and Washing Areas BMP Fact Sheet* at [www.epa.gov/npdes/stormwater/menuofbmps/construction/vehicile\\_maintain](http://www.epa.gov/npdes/stormwater/menuofbmps/construction/vehicile_maintain)

**Permanent**

**Temporary**

**Detailed BMP Description:**

<b>Maintenance:</b>	
<b>Inspection:</b>	
<b>Responsible Staff:</b>	

**Permanent**

**Temporary**

**Detailed BMP Description:**

<b>Maintenance:</b>	
<b>Inspection:</b>	
<b>Responsible Staff:</b>	

Repeat as needed

### 3.5 Control Equipment/Vehicle Washing

**Instructions:**

- Describe equipment/vehicle washing practices that will be implemented to control pollutants to stormwater
- For more information reference ADEM Administrative Code Chapters 335-6-5 and 335-6-6 for applicable SID and NPDES permit requirements.
- Discharges containing solvents/detergents and/or petroleum is prohibited under this permit and must be authorized under an NPDES industrial permit.
- Also, see EPA's *Vehicle Maintenance and Washing Areas BMP Fact Sheet* at [www.epa.gov/npdes/stormwater/menuofbmps/construction/vehicile\\_maintain](http://www.epa.gov/npdes/stormwater/menuofbmps/construction/vehicile_maintain)

**Permanent**

**Temporary**

**Detailed BMP Description:**

<b>Maintenance:</b>	
<b>Inspection:</b>	
<b>Responsible Staff:</b>	

**Permanent**

**Temporary**

**Detailed BMP Description:**

<b>Maintenance:</b>	
<b>Inspection:</b>	
<b>Responsible Staff:</b>	

Repeat as needed

### 3.6 Spill Prevention, Control and Management

**Instructions:**

- A Spill Prevention, Control and Countermeasures (SPCC) Plan as set forth in 40 CFR Part 112 is required for petroleum products. The SPCC Plan should be prepared as a separate document or as a component of the CBMPP.
- Describe the spill prevention and control plan to include ways to reduce the chance of spills, stop the source of spills, contain and clean up spills, dispose of materials contaminated by spills, and train personnel responsible for spill prevention and control.
- Also, see EPA's *Spill Prevention and Control Plan BMP Fact sheet* at [www.epa.gov/npdes/stormwater/menuofbmps/construction/spill\\_control](http://www.epa.gov/npdes/stormwater/menuofbmps/construction/spill_control)

**Permit Requirement(s):**

Part III.E. of the permit requires that a the Permittee shall prepare, implement, and maintain a Spill Prevention, Control and Countermeasures (SPCC) Plan in accordance with 40 CFR Part 112 and ADEM Admin Code r.335-6-6-.12(r) for all applicable onsite petroleum storage tanks. The Permittee shall also prepare, implement, and maintain a SPCC Plan in accordance with ADEM Admin Code r.335-6-6-.12(r) for any stored pollutant(s) that may, if spilled, be reasonably expected to enter a water of the state or the collection system for a publicly or privately owned treatment works. The SPCC Plan(s) shall be maintained as a separate document or as part of the CBMPP Plan required in Part III.D. above. The Permittee shall implement appropriate structural and/or non-structural spill prevention, control, and/or management sufficient to prevent any spills of pollutants from entering a water of the state or a publicly or privately owned treatment works. The plan(s) must be consistent with the requirements of 40 CFR Part 112 and/or ADEM Admin Code r.335-6-6-.12(r). Any containment system used to implement this requirement shall be constructed of materials compatible with the substance(s) contained and of materials which shall prevent the contamination of groundwater and shall be capable of retaining 110 percent of the volume of the largest container of pollutants for which the containment system is provided. The Permittee shall maintain onsite or have readily available sufficient oil & grease absorbing material and afloatation booms to contain and clean-up fuel or chemical spills and leaks. Soil contaminated by paint or chemical spills, oil spills, etc. must be immediately cleaned up, remediated, or be removed and disposed of in a Department approved manner.

INSERT TEXT HERE or REFERENCE ATTACHMENT

### 3.7 Non-Stormwater Discharge Management

**Instructions:**

- Identify all other sources of non-stormwater discharges that are not otherwise identified herein. The non-stormwater discharges identified might include those listed below:
- Identify measures used to eliminate or reduce these discharges and used to prevent them from becoming contaminated.
- Also, see ADEM Administrative Code chapters 335-6-5 and 335-6-6 for applicable SID and NPDES permit requirements for construction associated with de minimus non-stormwater process wastewater discharges.

**Permit Requirements:**

Part I.B.2. This permit authorizes the following non- stormwater discharges provided the non-stormwater component of the discharge is in compliance with Part III.C.:

- (a) Discharges from fire-fighting activities;
- (b) Fire hydrant flushings;
- (c) Waters used to wash vehicles where detergents are not used;
- (d) Water used to control dust;
- (e) Potable water including uncontaminated water line flushings not associated with hydrostatic testing;
- (f) Routine external building wash down associated with construction that does not use detergents;
- (g) 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;
- (h) Uncontaminated air conditioning or compressor condensate associated with temporary office trailers and other similar buildings;
- (i) Uncontaminated ground water or spring water;
- (j) Foundation or footing drains where flows are not contaminated with process materials such as solvents;
- (k) Landscape irrigation.

Part III.D.3. (j) of the permit requires a description of the pollution prevention measures used to manage non-stormwater discharges.

**Table 4. Non-Stormwater Discharges**

<b>Non-Stormwater Discharges</b>	<b>Pollution Prevention Measures</b>

[Tab to add additional entries if needed.](#)

## SECTION 4: SELECTING POST-CONSTRUCTION BMPs

**Instructions:**

- 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. Selection of the appropriate BMPs relies upon the proper characterization of the project site and accurate evaluation of the anticipated erosion and the effectiveness of proposed erosion and sediment control practices. The NRCS Revised Universal Soil Loss Equation Version 2 (RUSLE2) model is a useful modeling tool in estimating erosion rates and sediment yield. There are several benefits of using RUSLE2, specifically the ability to use a quantitative iterative process to select the most appropriate combination of permanent and temporary Best Management Practices (BMPs) for soil stabilization and erosion and sedimentation control during the construction and post-construction project phases.
- Examples of post-construction BMPs/LIDS (low impact development designs) include; but are not limited to, the following:
  - ✓ Biofilters
  - ✓ Bioretention
  - ✓ Detention/retention devices
  - ✓ Earth dikes, drainage swales, and lined ditches
  - ✓ Green Roofs
  - ✓ Infiltration basins
  - ✓ Porous pavement
  - ✓ Other proprietary permanent structural BMPs
  - ✓ Outlet protection/velocity dissipation devices
  - ✓ Slope protection
  - ✓ Vegetated strips and/or swales
- Identify any applicable federal, state, or local requirements for design or installation.
- Describe how low-impact designs or smart growth considerations have been incorporated into the design.
- For any structural BMPs, you should have design specifications and details and refer to them. Attach them as appendices to the CBMPP or within the text of the CBMPP.
- Consult the Alabama Handbook for Erosion Control, Sediment Control and Stormwater Management on Construction Sites and Urban Areas June 2003 (Revised, 03/09)
- Visit the post-construction section of EPA's Menu of BMPs at: [www.epa.gov/npdes/menuofbmps](http://www.epa.gov/npdes/menuofbmps)
- For more information regarding the NRCS RUSLE2, see [http://fargo.nserl.purdue.edu/rusle2\\_dataweb/About\\_RUSLE2\\_Technology.htm](http://fargo.nserl.purdue.edu/rusle2_dataweb/About_RUSLE2_Technology.htm)

**Permit Requirement(s):**

Part III.D.3. (k). requires a description of the best management practices to be installed during site construction and operated and maintained following final stabilization at sites where the post-construction volumes or velocities of stormwater runoff are significantly different from conditions existing prior to the construction activity.

**Detailed BMP Description:**

<b>Installation Schedule:</b>	
<b>Maintenance:</b>	
<b>Inspection:</b>	
<b>Responsible Staff:</b>	

---

***Detailed BMP Description:***

<b><i>Installation Schedule:</i></b>	
<b><i>Maintenance:</i></b>	
<b><i>Inspection:</i></b>	
<b><i>Responsible Staff:</i></b>	

[Repeat as needed](#)

## SECTION 5: INSPECTIONS

### 5.1 Inspections

#### Instructions:

- Identify the individual(s) responsible for conducting inspections and describe their qualifications. ADEM Form 500 must be used. <http://www.adem.state.al.us/DeptForms/Formpdf.htm>
- Pending your activity and following the requirements of Part III.G of the permit; describe the frequency that inspections will occur at your site, including any correlation(s) to storm frequency and intensity.
- Note that inspection details for particular BMPs should be included in Sections 2 and 3.
- You should also document the repairs and maintenance that you undertake as a result of your inspections. These actions can be documented in the corrective action log described in Part 5.2 below.

#### Permit Requirement(s):

##### Part III.G. Inspection Requirements

#### 1. Daily Observations

- (a) Each day there is activity at the site, the Permittee shall visually observe that portion of the construction project where active disturbance, work, or construction occurred to note any rainfall measurements occurring since the previous observation, and any apparent BMP deficiencies in the area of active disturbance.
- (b) Such daily observations may be performed by appropriate site personnel.
- (c) The Permittee shall maintain a log of all daily observations and record in such log any rainfall measurements and BMP deficiencies observed.

#### 2. Site Inspections

- (a) A site inspection shall consist of a complete and comprehensive observation of the entire construction site including all areas of land disturbance, areas used for storage of materials that are exposed to precipitation, affected ditches and other stormwater conveyances, as well as all outfalls, receiving waters and stream banks to determine if, and ensure that:
  - (i) Effective erosion controls and sediment controls have been fully implemented and maintained in accordance with this permit, the site CBMPP, and the Alabama Handbook;
  - (ii) Pollutant discharges have been prevented/minimized to the maximum extent practicable, and
  - (iii) Discharges do not result in a contravention of applicable State water quality standards for the receiving stream(s) or other waters impacted or affected by the Permittee.
- (b) Site inspections shall be performed by a QCI, QCP, or a qualified person under the direct supervision of a QCP.
- (c) For non-linear projects, a site inspection shall be performed once each month and after any qualifying precipitation event, commencing as promptly as possible, but no later than 24-hours after resuming or continuing active construction or disturbance, and completed no later than 72-hours following the qualifying precipitation event;
- (d) For linear projects where active construction or areas where perennial vegetation has not been fully established, meeting the definition of final stabilization, a site inspection shall be performed after any qualifying precipitation event since the last inspection, beginning as promptly as possible, but no later than 24-hours after resuming or continuing active construction or disturbance and completed no later than five (5) days after the qualifying precipitation event;
- (e) A site inspection shall also be performed as often as is necessary until any poorly functioning erosion controls or sediment controls, non-compliant discharges, or any other deficiencies observed during a prior inspection are corrected and documented as being in compliance with the requirements of this permit.
- (f) On all active disturbance, dredging, excavation, or construction undertaken or located within the banks of a waterbody, including but not limited to, equipment/vehicle crossings, pipelines, or other transmission line installation, conveyor structure installation, and waterbody relocation, streambank stabilization, or other alterations, a site inspection shall be performed at least once a week and as often as is necessary until the disturbance/activity impacting the waterbody is complete and reclamation or effective stormwater quality remediation is achieved.



**1. *Inspection Personnel:*** Identify the person(s) who will be responsible for conducting inspections and describe their qualifications:

Daily Observations:

Weekly (if required):

Monthly Inspections:

Precipitation event Inspections:

Comprehensive CBMPP Evaluation (to be conducted at a minimum of once every 6 months by QCP):

**2. *Inspection Schedule and Procedures:***

Describe the inspection schedules and procedures you have developed for your site (include frequency of inspections for each BMP or group of BMPs, indicate when you will inspect, e.g., before/during/and after rain events, spot inspections):

Describe the general procedures for correcting problems when they are identified. Include responsible staff and time frames for making corrections:

Attach a copy of ADEM Form 23.

[REFERENCE ATTACHMENT](#)

## 5.2 Corrective Action

### Instructions:

- Create here, or as an attachment, a corrective action log. This log should describe repair, replacement, and maintenance of BMPs undertaken as a result of the inspections and maintenance procedures described above. Actions related to the findings of inspections should reference the specific inspection report.
- This log should describe the actions taken; the date the actions were completed, and indicate the person(s) who completed the work.

### Permit Requirement(s):

Part III.H.1. of the permit requires any poorly functioning erosion controls or sediment controls, non-compliant discharges, or any other deficiencies observed during the inspections required under Part III.G.2 shall be corrected as soon as possible, but not to exceed five (5) days of the inspection unless prevented by unsafe weather conditions.

Part III.H.2. of the permit requires that in the event of a breach of a sediment basin/pond, temporary containment measures shall be taken within 24 hours after the inspection. Permanent corrective measures shall be implemented within five (5) days of the inspection; however, if permanent corrective measures cannot be implemented within the timeframes provided herein the Permittee shall contact the Department.

Part III.H.3. of the permit requires that the operator shall promptly take all reasonable steps to remove, to the maximum extent practical, pollutants deposited offsite or in any waterbody or stormwater conveyance structure.

### Corrective Action Log:

**INSERT LOG HERE or REFERENCE ATTACHMENT**

## SECTION 6: RECORDKEEPING AND TRAINING

### 6.1 Recordkeeping

**Instructions:**

- The following is a list of records you should keep at your project site available for inspectors to review:
- Dates of grading, construction activity, and stabilization (which is covered in Sections 2 and 3)
- The signed and certified NOI form or permit application form (attach)
- A copy of the letter from ADEM acknowledging receipt of your complete NOR/application (attach)
- Inspection reports (attach)
- Monitoring Data, if required to monitor
- Rainfall data
- Copy of your *CBMPP Plan*
- Copy of SPCC, if needed

**Permit Requirement(s):**

Part IV.J.1. of the permit requires that the Permittee shall retain records of all inspection records, monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by the permit, and records of all data used to complete such reports, for a period of at least three (3) years from the date of the inspection, sample measurement, or report. This period may be extended by request of the Director at any time. If litigation or other enforcement action, under the AWPCA and/or the FWPCA, is ongoing which involves any of these records, the records shall be kept until the litigation is resolved.

Part IV.J.2. of the permit requires that all records required to be kept for a period of three (3) years shall be kept at the permitted facility or an alternate location identified to the Department in writing and shall be available for inspection.

Date(s) when major grading activities occur:

**INSERT LOG HERE or REFERENCE ATTACHMENT**

Date(s) when construction activities temporarily or permanently cease on a portion of the site:

**INSERT LOG HERE or REFERENCE ATTACHMENT**

Date(s) when an area is either temporarily or permanently stabilized:

**INSERT LOG HERE or REFERENCE ATTACHMENT**

## 6.2 Log of Changes to the CBMPP

### Instructions:

- Create a log here, or as an attachment, of changes and updates to the CBMPP. You should include additions of new BMPs, replacement of failed BMPs, significant changes in the activities or their timing on the project, changes in personnel, changes in inspection and maintenance procedures, updates to site maps, etc.

### Permit Requirement(s):

Part III.D.4.(a) of the permit requires that the CBMPP shall be updated as necessary to address changes in the construction activity, site weather patterns, new TMDLs finalized or approved by EPA, new 303(d) listings approved by EPA, or manufacturer specifications for specific control technologies.

Part III.D.4.(b) of the permit requires that the CBMPP shall be amended if inspections or investigations by site staff or by local, state, or federal officials determine that the existing sediment control measures, erosion control measures, or other site management practices are ineffective or do not meet the requirements of this permit. All necessary modifications to the CBMPP shall be made within seven (7) calendar days following notification of the inspection unless granted an extension of time by the Department.

Part III.D.4.(c) of the permit requires that if existing sediment control measures, erosion control measures, or other site management practices prove ineffective in protecting water quality or need to be modified; or if additional sediment control measures, erosion control measures, or other site management practices are necessary to meet the requirements of Part III.A. B. C. and E., implementation shall be completed before the next storm event whenever practicable. If implementation before the next storm event is impracticable, then new land disturbance activities must cease until the modified or additional controls can be implemented.

Part III.D.4. (d) of the permit requires that a copy of the CBMPP shall be maintained at the site during normal operating hours as defined by Part IV.T. of this permit when regulated land disturbing activities are occurring.

Log of changes and updates to the CBMPP  
[INSERT LOG HERE](#) or [REFERENCE ATTACHMENT](#)

## 6.3 Training

### Instructions:

- Training your staff and subcontractors is an effective BMP. As with the other steps you take to prevent stormwater problems at your site, you should document the training that you conduct for your staff, for those with specific stormwater responsibilities (e.g. installing, inspecting, and maintaining BMPs), and for subcontractors.
- Include dates, number of attendees, subjects covered, and length of training.
- Training includes, but is not limited to, the Qualified Credentialed Inspection Training (QCIP) program. Additional training may be necessary.

### Permit Requirements:

#### Part III.F. Training:

Unless the Permittee has employed or contracted with a QCP that performs duties as required by this permit, and the QCP is readily available and able to be present onsite as often as is necessary to ensure full compliance with the requirements of this permit, the Permittee shall ensure that:

1. At least one onsite employee shall be certified as a Qualified Credentialed Inspector (QCI) by completing an initial training and annual refreshers through an ADEM-approved Qualified Credentialed Inspector Program (QCIP) conducted by a cooperating training entity.
2. The QCIP must be approved by the Department prior to use and provide training in the following areas:
  - a. The applicable requirements of the Alabama NPDES rules;
  - b. The requirements of this permit;
  - c. The evaluation of construction sites to ensure that QCP designed and certified erosion controls and sediment controls detailed in a CBMPP are effectively implemented and maintained;
  - d. The evaluation of conveyance structures, receiving waters and adjacent impacted offsite areas to ensure the protection of water quality and compliance with the requirements of this permit; and
  - e. The general operation of a turbidity meter or similar device intended for the measurement of turbidity.
3. Each individual holding a QCI Certification need not be on-site continuously and they may conduct site inspections at multiple sites permitted by them or their employer.
4. Each individual holding QCI certification shall obtain annual certification of satisfactory completion of formal refresher education or training regarding general erosion controls and sediment controls, the requirements of this permit, and the general operation of a turbidity meter or similar device intended for the measurement of turbidity. The refresher training requirements, including but not limited to, appropriate curricula, course content, course length, and any participant testing, shall be subject to acceptance by the Director prior to use.

### Individual(s) Responsible for Training:

**INSERT TEXT or TABLE HERE**

### Describe Training Conducted:

- General stormwater and BMP awareness training for staff and subcontractors:
- Detailed training for staff and subcontractors with specific stormwater responsibilities:

## SECTION 7: FINAL STABILIZATION

**Instructions:**

- Describe procedures for final stabilization. If you complete major construction activities on part of your site, you can document your final stabilization efforts for that portion of the site. Discontinuing inspections can be approved upon submittal of inspection reports of subject area(s), certification of complete stabilization and NOI requesting modification of existing permit coverage to remove subject area(s) from coverage.
- Update your site plans to indicate areas that have achieved final stabilization.
- Dates for areas that have achieved final stabilization should be included in the CBMPP.
- Consult the *Alabama Handbook for Erosion Control, Sediment Control and Stormwater Management on Construction Sites and Urban Areas June 2003 (Revised, 03/09)*

**Permit Requirement(s):**

Part III.B. of the permit requires that final stabilization of disturbed areas must, at a minimum, be initiated immediately whenever any clearing, grading, excavating or other earth disturbing activities have permanently ceased on any portion of the site.

As defined in Part IV.T.17 of the permit, Final Stabilization means the application and establishment of the permanent ground cover (vegetative, pavements of erosion resistant hard or soft material or impervious structures) planned for the site to permanently eliminate soil erosion to the maximum extent practicable. Established vegetation will be considered final if 100% of the soil surface is uniformly covered in permanent vegetation with a density of 85% or greater. Permanent vegetation shall consist of: planted trees, shrubs, perennial vines; an agricultural or a perennial crop of vegetation appropriate for the region. Final stabilization applies to each phase of construction.

**BMP Description:**

<b>Installation Schedule:</b>	
<b>Maintenance:</b>	
<b>Inspection:</b>	
<b>Responsible Staff:</b>	

**BMP Description:**

<b>Installation Schedule:</b>	
<b>Maintenance:</b>	
<b>Inspection:</b>	
<b>Responsible Staff:</b>	

Repeat as needed

## SECTION 8: TURBITDITY MONITORING

**Instructions:**

- If subject to the monitoring requirements of Part V. of the permit, provide a monitoring plan below.

**Permit Requirement(s):**

- In accordance with Part V. the Permittee of a priority construction site disturbing ten (10) acres or more at one time shall conduct turbidity monitoring.
- In accordance with Part V.B. 4. of the permit, discharge monitoring is to be performed in conjunction with any comprehensive inspection when discharges are occurring; or following a qualifying precipitation event if discharges occur as a result of that event.
- In accordance with Part V.B.5. of the permit, samples and turbidity measurements are not required outside of normal operating hours or during unsafe weather conditions.
- Part IV.T.26. defines Normal Operating Hours as being from 6:00 a.m. to 6:00 p.m. Monday through Friday, excluding federal holidays established pursuant to 5 U.S.C. § 6103. Normal operating hours also include any time when workers are present or when construction activity is occurring, regardless of the particular day or time.

INSERT TEXT or TABLE HERE

## SECTION 9: CERTIFICATION AND NOTIFICATION

I certify under penalty of law that a comprehensive Construction Best Management Practices Plan (CBMPP) for the prevention and minimization of all sources of pollution in stormwater and authorized related process wastewater runoff has been prepared under my supervision for this site/activity, and associated regulated areas/activities. The CBMPP meets the requirements of this permit and if properly implemented and maintained by the operator, discharges of pollutants in stormwater runoff can reasonably be expected to be effectively minimized to the maximum extent practicable according to the requirements of ADEM Administrative Code Chapter 335-6-6-.23 and this Permit. The CBMPP describes the erosion and sediment control measures that must be fully implemented and regularly maintained as needed at the permitted site in accordance with sound sediment and erosion control practices to ensure the protection of water quality.

Name: \_\_\_\_\_ Title: \_\_\_\_\_  
QCP Designation/Description: \_\_\_\_\_ Registration/Certification: \_\_\_\_\_  
Address: \_\_\_\_\_ Phone Number: \_\_\_\_\_  
\_\_\_\_\_  
Signature: \_\_\_\_\_ Date: \_\_\_\_\_



## **CBMPP APPENDICES**

Attach the following documentation to the CBMPP:

***Appendix A – General Location Map***

***Appendix B – Site Maps***

***Appendix C – NOI and Copy of Permit***

***Appendix D – Inspection Reports***

***Appendix E – Corrective Action Log (or in Part 5.2)***

***Appendix F – CBMPP Amendment Log (or in Part 6.2)***

***Appendix G – Grading and Stabilization Activities Log (or in Part 6.1)***

***Appendix H – Additional Information (i.e., Endangered Species, Historic Preservation, and U.S. Corps of Engineers Documentation)***

## ***Appendix A – General Location Map***

[INSERT MAP HERE]

## ***Appendix B – Site Maps***

[INSERT MAPS HERE]

***Appendix C – NOI and Copy of Permit***

[INSERT DOCUMENTS HERE]

## ***Appendix D – Inspection Reports***

[INSERT REPORTS HERE]

**Appendix E – Sample Corrective Action Log**

**Project Name:**  
**CBMPP Contact:**

Inspection Date	Inspector Name(s)	Description of BMP Deficiency	Corrective Action Needed (including planned date/responsible person)	Date Action Taken/Responsible person

***Appendix F – Sample CBMPP Amendment Log***

**Project Name:**  
**CBMPP Contact:**

Amendment No.	Description of the Amendment	Date of Amendment	Amendment Prepared by [Name(s) and Title]

**Appendix G – Sample Grading and Stabilization Activities Log**

Project Name:  
CBMPP Contact:

Date Grading Activity Initiated	Description of Grading Activity	Date Grading Activity Ceased (Indicate Temporary or Permanent)	Date When Stabilization Measures are Initiated	Description of Stabilization Measure(s) and Location(s)



***Appendix H – Additional Information (i.e., Endangered Species,  
Historic Preservation, and U.S. Corps of  
Engineers Documentation)***

[INSERT ADDITIONAL INFORMATION HERE]