

Template for the

Required SWPPP Updates for 2006 Coverage Approvals

The new NPDES General Permit for Stormwater Discharges from Construction Activities requires that all SWPPPs associated with coverage approvals under the 2006 CGP and 1998 CGP, where coverage has not been terminated, be updated. These updates are found in Section 3.1.1.F.I of the new [CGP](#). **Any SWPPP changes must be implemented no later than six (6) months following the effective date of the new permit, which would be July 1, 2013.** Upon request, the Permittee shall make the updated SWPPP available for review by DHEC, MS4, or other local review entities. Many of the updates stem from EPA's issuance in 2010 of new regulations for stormwater discharges from construction sites, referred to as Non-Numeric Effluent Limits. The updates are as follows (corresponding permit section is in parenthesis):

- ❑ **Record Keeping (3.1.1.H.V(h))** . An appendix must be added to the SWPPP to track the progress, compliance, modifications, and those associated with the construction site. *Sample Logs Included.*
- ❑ **Non-Numeric Effluent Limits (3.2.10)**. Site-specific procedures and information must be included within the C-SWPPP that addresses all applicable Non-Numeric Effluent Limits, which would not significantly impact the approved design (i.e., would not be considered a Major Modification per Section 3.1.7.C of this permit). This would include, but is not limited to, any addition/relocation of erosion control BMPs, changes to internal drainage patterns, limiting the amount of disturbed area allowed at any given time, minimizing steep slopes, enhancing the stabilization of steep slopes, preserving topsoil, minimization of exposed construction debris, and restricting the use of the additional prohibited discharges listed in Section 3.2.10.E of this permit.
- ❑ **Frequency of Site Inspections (4.2.B)**. All sites must now be inspected once each week. All references to construction site inspection frequencies that are greater than once every calendar week must be revised to meet this weekly inspection requirement.
- ❑ **Rain Gauge (4.2.D)**. Daily rainfall records must be recorded at the site. A rain log must be added as an appendix of the SWPPP. *Sample Logs Included.*
- ❑ **Inspection Records (4.2.H)**. An inspection log must be added as an appendix of the SWPPP. *Sample Logs Included.*

The Department has developed this template to aid sites in complying with the new permit. The following sections may be included within an approved SWPPP to address the applicable Non-Numeric Effluent Limits and other permit requirements. All construction activities associated with this SWPPP should be altered to comply with measures outline below. Please note, that each construction site is unique and not all of these sections may apply at each site.

Non-Numeric Effluent Limits

Stormwater Volume and Velocity Control

During the remainder of construction activities, responsible parties performing work at this construction site must be informed of and directed on how to comply with the Non-Numeric Effluent Limit, which requires the management of stormwater runoff within the construction site and at each outfall in order to control the stormwater volume and velocity to minimize soil erosion.

Specifically, responsible party should be made aware of the practices that have been or have yet to be implemented at the construction site to accomplish these particular stormwater management practices. Below is a list of practices that may be utilized within the disturbed area and at each outfall at construction sites to control stormwater volume and velocity, to the extent practicable:

Volume Control

- Limiting of the Amount of Disturbed Area Not Stabilized at a Time;
- Staging and/or Phasing of the Construction Sequence;
- Sediment Basins and Sediment Traps
- Diverting off-site flow around the construction site;
- Controlling the Drainage Patterns within the Construction Site;
- Temporary Stabilization of Disturbed Areas.

Velocity Control

- Surface Roughening and/or other Slope Stabilization Practices;
- Level Spreaders, Riprap Plunge Pools and/or other Velocity Dissipation BMPS located at the Construction Site's and Sediment Basin Outfalls.
- Use of Rock Checks, Sediment Tubes, Etc. in Temporary Diversions Swales and Ditches.
- Use of Erosion Control Blankets, Turf Reinforcement Mats, and other Non-Vegetative BMPs that can be used to Quickly Stabilize Disturbed Areas.

The SWPPP Preparer/Engineer should approve any Major Modifications (Additional BMPs or Changes to Existing BMPs) to address the management of stormwater volume and velocity prior to implementation. The majority of approved SWPPPs, especially if approved under the 2006 CGP, should include ample BMPs and other control measures to address this specific Non-Numeric Effluent Limit.

Soil Exposure, Compaction and Preservation

Throughout the remainder of the construction activities, the amount of soil exposed during construction shall be kept to a minimum. This may be accomplished by reducing the disturbed area within the Limits of Disturbance (shown on the approved construction site plans) to only that which is necessary to complete the proposed work. For areas that have already been disturbed and where construction activities will not begin for a period of 14 days or more, temporary stabilization techniques must be implemented.

Prior to implementation of any major grading activities, topsoil is to be preserved by placing it in areas designated as stockpiles until final grades are reached. Each stockpile must be equipped with proper sediment and erosion controls to preserve the topsoil and protect adjacent areas from impacts. Once final grades have been reached, the preserved topsoil should be placed within all

areas that are to be stabilized through temporary and permanent seeding techniques.

The **Compaction of Soil** should be avoided to the degree practicable during clearing and grading activities. This is especially important during the replacement of topsoil to aid in a quick establishment of vegetative cover.

Soil Stabilization

Throughout the remainder of the construction activities, soil stabilization techniques are to be implemented as soon as practicable whenever any clearing, grading, excavating, or other land-disturbing activities have permanently or temporarily ceased on any portion of the construction site and will not resume for a period exceeding 14 calendar days. For areas where initiating stabilization measures is infeasible, (e.g., where snow cover, frozen ground, or drought conditions preclude stabilization), initiate vegetative or non-vegetative stabilization measures as soon as practicable.

Steep Slopes (Slopes of 30% grade or greater)

All previously disturbed steep slopes (30% grade, ~3H:1V, or greater), and steep slopes to be created through grading activities must be managed in a fashion that limits the potential of erosion along the slopes. All parties responsible whose work is/was responsible for the creation/disturbance of steep slopes must comply with the following items:

- **Minimize the disturbance** of all Steep Slopes, when possible.
- **Divert Concentrated or Channelized Flows** of stormwater away from and around Steep Slope disturbances.
- **Use Specialized BMP Controls** Including Temporary and Permanent Seeding with Soil Binders, Erosion Control Blankets, Surface Roughening, Reducing Continuous Slope Length with Terracing or Diversions, Gradient Terraces, Interceptor Dikes and Swales, Grass-Lined Channels, Pipe Slope Drains, Subsurface Drains, Level Spreaders, Check Dams, Seep Berms, and Triangular Silt Dikes to Minimize Erosion.
- **Initiated Stabilization Measures** as soon as Practicable on any Disturbed Steep Slope Areas where Construction Activities have Permanently or Temporarily Ceased, and will not Resume for a Period Exceeding 7 Calendar Days.
- **A Vegetative and/or Non-Vegetative Cover** must be established within 3 working Days from the Time that Stabilization Measures were initiated.

Stabilization of disturbed steep slopes should be a priority at the construction site. At the very least, runoff control BMPs should be implemented to transport stormwater runoff from the top of the slope to the toe of the slope. An example of this is to install diversion swales along the top of slope the slope that direct runoff to pipe slopes drains, which are equipped proper outlet protection at the toe of the slope.

Sediment Discharge Minimization

Permittees, Contractors, and other responsible parties conducting land-disturbing activities are required to install and maintain all erosion and sediment BMPs that are located on the approved construction site plans. These BMPs have been designed and approved to address such factors as the amount, frequency, intensity and duration of precipitation, the nature of resulting stormwater runoff, and soil characteristics, including the range of soils particle sizes expected to be present on the construction site. **Proper installation, inspection, and maintenance will allow these**

BMPs to operate at maximum efficiencies in order to minimize sediment discharges to the maximum extent practical.

Pollutant Discharge Minimization

Permittees, Contractors, and other responsible parties conducting land-disturbing activities are required to install, implement, and maintain effective pollution prevention measures to minimize the discharge of pollutants. At a minimum, the following items must be followed:

- **Minimize the discharge of pollutants from dewatering trenches and excavations** by managing runoff with the appropriate controls. Otherwise these discharges are prohibited;
- **Minimize the discharge of pollutants from equipment and vehicle washing, wheel wash water, and other wash waters.** Wash waters must be treated in a sediment basin or alternative control that provides equivalent or better treatment prior to discharge;
- **Minimize the exposure of building materials, building products, construction wastes, trash,** landscape materials, fertilizers, pesticides, herbicides, detergents, sanitary waste and other materials present on the site to precipitation and to stormwater; and
- **Minimize the discharge of pollutants from spills and leaks** and implement chemical spill and leak prevention and response procedures.

Prohibited Discharges

Permittees, Contractors, and other responsible parties conducting land-disturbing activities are prohibited to discharges, from the construction site, the following items:

- **Wastewater from washout of concrete,** unless managed by an appropriate control;
- **Wastewater from washout and cleanout of stucco, paint, form release oils, curing compounds and other construction materials;**
- **Fuels, oils, or other pollutants used in vehicle and equipment operation and maintenance;** and
- **Soaps or solvents used in vehicle and equipment washing.**

Standard Notes

The following standard notes will need to be added to the construction site plans or inserted into the on-site SWPPP document to bring the coverage into compliance with the reissued Construction General Permit. Each of these standard notes will need to be implemented at the construction site.

1. All sediment and erosion control devices shall be inspected once calendar every week. If periodic inspection or other information indicates that a BMP has been inappropriately, or incorrectly, the Permittee must address the necessary replacement or modification required to correct the BMP within 48 hours of identification.
2. A copy of the SWPPP, inspections records, and rainfall data must be retained at the construction site or a nearby location easily accessible during normal business hours, from the date of commencement of construction activities to the date that final stabilization is reached.
3. Initiate stabilization measures on any exposed steep slope (3H:1V or greater) where land-disturbing activities have permanently or temporarily ceased, and will not resume for a period of 7 calendar days.
4. Minimize soil compaction and, unless infeasible, preserve topsoil.
5. Minimize the discharge of pollutants from equipment and vehicle washing, wheel wash water, and other wash waters. Wash waters must be treated in a sediment basin or alternative control that provides equivalent or better treatment prior to discharge;
6. Minimize the discharge of pollutants from dewatering of trenches and excavated areas. These discharges are to be routed through appropriate BMPs (sediment basin, filter bag, etc.).
7. The following discharges from sites are prohibited:
 - a. Wastewater from washout of concrete, unless managed by an appropriate control;
 - b. Wastewater from washout and cleanout of stucco, paint, form release oils, curing compounds and other construction materials;
 - c. Fuels, oils, or other pollutants used in vehicle and equipment operation and maintenance; and
 - d. Soaps or solvents used in vehicle and equipment washing.
8. After construction activities begin, inspections must be conducted at a minimum of at least once every calendar week and must be conducted until final stabilization is reached on all areas of the construction site.
9. If existing BMPs need to be modified or if additional BMPs are necessary to comply with the requirements of the Construction General Permit (SCR100 and/or SC's Water Quality Standards, implementation must be completed before the next storm event whenever practicable. If implementation before the next storm event is impracticable, the situation must be documented in the SWPPP and alternative BMPs must be implemented as soon as reasonably possible.

SWPPP Rainfall Records (January - June)										Year:	
January	Rainfall	February	Rainfall	March	Rainfall	April	Rainfall	May	Rainfall	June	Rainfall
1		1		1		1		1		1	
2		2		2		2		2		2	
3		3		3		3		3		3	
4		4		4		4		4		4	
5		5		5		5		5		5	
6		6		6		6		6		6	
7		7		7		7		7		7	
8		8		8		8		8		8	
9		9		9		9		9		9	
10		10		10		10		10		10	
11		11		11		11		11		11	
12		12		12		12		12		12	
13		13		13		13		13		13	
14		14		14		14		14		14	
15		15		15		15		15		15	
16		16		16		16		16		16	
17		17		17		17		17		17	
18		18		18		18		18		18	
19		19		19		19		19		19	
20		20		20		20		20		20	
21		21		21		21		21		21	
22		22		22		22		22		22	
23		23		23		23		23		23	
24		24		24		24		24		24	
25		25		25		25		25		25	
26		26		26		26		26		26	
27		27		27		27		27		27	
28		28		28		28		28		28	
29		29		29		29		29		29	
30				30		30		30		30	
31				31				31			

SWPPP Rainfall Records (July - December)										Year:	
July	Rainfall	August	Rainfall	September	Rainfall	October	Rainfall	November	Rainfall	December	Rainfall
1		1		1		1		1		1	
2		2		2		2		2		2	
3		3		3		3		3		3	
4		4		4		4		4		4	
5		5		5		5		5		5	
6		6		6		6		6		6	
7		7		7		7		7		7	
8		8		8		8		8		8	
9		9		9		9		9		9	
10		10		10		10		10		10	
11		11		11		11		11		11	
12		12		12		12		12		12	
13		13		13		13		13		13	
14		14		14		14		14		14	
15		15		15		15		15		15	
16		16		16		16		16		16	
17		17		17		17		17		17	
18		18		18		18		18		18	
19		19		19		19		19		19	
20		20		20		20		20		20	
21		21		21		21		21		21	
22		22		22		22		22		22	
23		23		23		23		23		23	
24		24		24		24		24		24	
25		25		25		25		25		25	
26		26		26		26		26		26	
27		27		27		27		27		27	
28		28		28		28		28		28	
29		29		29		29		29		29	
30		30		30		30		30		30	
31		31				31				31	

SWPPP Pre-Construction Conference Attendance Log

Date & Time	Description/Outline and Name of the Presenter of SWPPP and Site Requirements	
Name	Company	Signature

<i>SWPPP Contractor & Sub-Contractor Log</i>	
Name of Construction Site	Location of Construction Site
Company/Individual Name	Work Responsibilities
1.)	
Start Date:	
Completion Date:	
2.)	
Start Date:	
Completion Date:	
3.)	
Start Date:	
Completion Date:	
4.)	
Start Date:	
Completion Date:	
5.)	
Start Date:	
Completion Date:	
6.)	
Start Date:	
Completion Date:	
7.)	
Start Date:	
Completion Date:	
8.)	
Start Date:	
Completion Date:	
9.)	
Start Date:	
Completion Date:	
10.)	
Start Date:	
Completion Date:	
11.)	
Start Date:	
Completion Date:	

<i>SWPPP Contractor & Sub-Contractor Log (Continued)</i>	
11.)	
Start Date:	
Completion Date:	
12.)	
Start Date:	
Completion Date:	
13.)	
Start Date:	
Completion Date:	
14.)	
Start Date:	
Completion Date:	
15.)	
Start Date:	
Completion Date:	
16.)	
Start Date:	
Completion Date:	
17.)	
Start Date:	
Completion Date:	
18.)	
Start Date:	
Completion Date:	
19.)	
Start Date:	
Completion Date:	
20.)	
Start Date:	
Completion Date:	
21.)	
Start Date:	
Completion Date:	
22.)	
Start Date:	
Completion Date:	

<i>SWPPP Modification Log</i>		
Name of Construction Site	Location of Construction Site	
Type of Modification	Description of Modification	Location of Modification
<input type="checkbox"/> Major <input type="checkbox"/> Minor		
Start Date:		
Completion Date:		
Reason for Modifications:	Approved/Implemented By:	
Type of Modification	Description of Modification	Location of Modification
<input type="checkbox"/> Major <input type="checkbox"/> Minor		
Start Date:		
Completion Date:		
Reason for Modifications:	Approved/Implemented By:	
Type of Modification	Description of Modification	Location of Modification
<input type="checkbox"/> Major <input type="checkbox"/> Minor		
Start Date:		
Completion Date:		
Reason for Modifications:	Approved/Implemented By:	
Type of Modification	Description of Modification	Location of Modification
<input type="checkbox"/> Major <input type="checkbox"/> Minor		
Start Date:		
Completion Date:		
Reason for Modifications:	Approved/Implemented By:	
Type of Modification	Description of Modification	Location of Modification
<input type="checkbox"/> Major <input type="checkbox"/> Minor		
Start Date:		
Completion Date:		
Reason for Modifications:	Approved/Implemented By:	

<i>SWPPP Modification Log (Continued)</i>		
Name of Construction Site	Location of Construction Site	
Type of Modification	Description of Modification	Location of Modification
<input type="checkbox"/> Major <input type="checkbox"/> Minor		
Start Date: _____		
Completion Date: _____		
Reason for Modifications:		Approved/Implemented By:
Type of Modification	Description of Modification	Location of Modification
<input type="checkbox"/> Major <input type="checkbox"/> Minor		
Start Date: _____		
Completion Date: _____		
Reason for Modifications:		Approved/Implemented By:
Type of Modification	Description of Modification	Location of Modification
<input type="checkbox"/> Major <input type="checkbox"/> Minor		
Start Date: _____		
Completion Date: _____		
Reason for Modifications:		Approved/Implemented By:
Type of Modification	Description of Modification	Location of Modification
<input type="checkbox"/> Major <input type="checkbox"/> Minor		
Start Date: _____		
Completion Date: _____		
Reason for Modifications:		Approved/Implemented By:
Type of Modification	Description of Modification	Location of Modification
<input type="checkbox"/> Major <input type="checkbox"/> Minor		
Start Date: _____		
Completion Date: _____		
Reason for Modifications:		Approved/Implemented By:

<i>SWPPP Soil Stabilization Log</i>		
Name of Construction Site	Location of Construction Site	
Type of Stabilization	Description of Stabilization	Location of Stabilization
<input type="checkbox"/> Final <input type="checkbox"/> Temporary		
Initiate Date: <input style="width: 100%;" type="text"/>		
Completion Date: <input style="width: 100%;" type="text"/>		
Additional work proposed for this area: <input style="width: 100%;" type="text"/>	Inspection Frequency for Stabilized Area: <input style="width: 100%;" type="text"/>	
Type of Stabilization	Description of Stabilization	Location of Stabilization
<input type="checkbox"/> Final <input type="checkbox"/> Temporary		
Initiate Date: <input style="width: 100%;" type="text"/>		
Completion Date: <input style="width: 100%;" type="text"/>		
Additional work proposed for this area: <input style="width: 100%;" type="text"/>	Inspection Frequency for Stabilized Area: <input style="width: 100%;" type="text"/>	
Type of Stabilization	Description of Stabilization	Location of Stabilization
<input type="checkbox"/> Final <input type="checkbox"/> Temporary		
Initiate Date: <input style="width: 100%;" type="text"/>		
Completion Date: <input style="width: 100%;" type="text"/>		
Additional work proposed for this area: <input style="width: 100%;" type="text"/>	Inspection Frequency for Stabilized Area: <input style="width: 100%;" type="text"/>	
Type of Stabilization	Description of Stabilization	Location of Stabilization
<input type="checkbox"/> Final <input type="checkbox"/> Temporary		
Initiate Date: <input style="width: 100%;" type="text"/>		
Completion Date: <input style="width: 100%;" type="text"/>		
Additional work proposed for this area: <input style="width: 100%;" type="text"/>	Inspection Frequency for Stabilized Area: <input style="width: 100%;" type="text"/>	
Type of Stabilization	Description of Stabilization	Location of Stabilization
<input type="checkbox"/> Final <input type="checkbox"/> Temporary		
Initiate Date: <input style="width: 100%;" type="text"/>		
Completion Date: <input style="width: 100%;" type="text"/>		
Additional work proposed for this area: <input style="width: 100%;" type="text"/>	Inspection Frequency for Stabilized Area: <input style="width: 100%;" type="text"/>	

<i>SWPPP Modification Log (Continued)</i>		
Name of Construction Site	Location of Construction Site	
Type of Stabilization	Description of Stabilization	Location of Stabilization
<input type="checkbox"/> Final <input type="checkbox"/> Temporary		
Initiate Date: _____		
Completion Date: _____		
Additional work proposed for this area:		Inspection Frequency for Stabilized Area:
Type of Stabilization	Description of Stabilization	Location of Stabilization
<input type="checkbox"/> Final <input type="checkbox"/> Temporary		
Initiate Date: _____		
Completion Date: _____		
Additional work proposed for this area:		Inspection Frequency for Stabilized Area:
Type of Stabilization	Description of Stabilization	Location of Stabilization
<input type="checkbox"/> Final <input type="checkbox"/> Temporary		
Initiate Date: _____		
Completion Date: _____		
Additional work proposed for this area:		Inspection Frequency for Stabilized Area:
Type of Stabilization	Description of Stabilization	Location of Stabilization
<input type="checkbox"/> Final <input type="checkbox"/> Temporary		
Initiate Date: _____		
Completion Date: _____		
Additional work proposed for this area:		Inspection Frequency for Stabilized Area:
Type of Stabilization	Description of Stabilization	Location of Stabilization
<input type="checkbox"/> Final <input type="checkbox"/> Temporary		
Initiate Date: _____		
Completion Date: _____		
Additional work proposed for this area:		Inspection Frequency for Stabilized Area: