

**Project Name**  
**Example Storm Water Pollution Prevention Plan**  
**For Home Builders and Small Construction Sites**

**Bexar County**

Prepared for:  
**Company Name**  
**Address**  
**Contact Info**

Prepared by:  
**Employee or Consultant Name**  
**Address**  
**Contact Info**

Date Created:  
**10/8/06**

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# 1. Permit Applicability and Background

## 1.1 PURPOSE

This Stormwater Pollution Prevention Plan (SWPPP) was prepared to comply with Texas Pollutant Discharge Elimination System (TPDES) permit as defined in the Construction General Permit TXR 150000 Part III Section F. The purpose of this SWPPP is to:

1. Identify potential pollutants that are reasonably expected to affect the quality of stormwater discharges from the construction site, including off-site material storage areas, overburden and stockpiles of dirt, borrow areas, equipment staging areas, vehicle repair areas, fueling areas, etc., used solely by the permitted project;
2. Describe and ensure the implementation of practices that will be used to reduce the pollutants in storm water discharges associated with construction activity at the construction site and assure compliance with the terms and conditions of the Permit.

Implementation of the components of this SWPPP is required as a condition of compliance with the General Permit, a copy of which is attached in Appendix A. The Texas Commission on Environmental Quality (TCEQ) has been granted authority to administer the TPDES program and is therefore the regulatory authority overseeing the implementation of this SWPPP.

## 1.2 BACKGROUND

The TPDES General Permit TXR150000 has a 5-year permit term from the effective date of March 5, 2003 and is required for all projects that will disturb more than 5 acres of total area, or are part of a larger common plan that will disturb more than 5 acres. A Notice of Intent, a copy of which is included in Appendix B, was submitted to the State on **Date of Submittal**.

Following public notice and comment, as provided by 30 TAC § 205.3 (relating to Public Notice, Public Meetings, and Public Comment), the commission may amend, revoke, cancel, or renew this general permit. If the TCEQ publishes a notice of its intent to renew or amend this general permit before the expiration date, the permit will remain in effect for existing, authorized, discharges until the commission takes final action on the permit. Upon issuance of a renewed or amended permit, permittees may be required to submit an NOI within 90 days following the effective date of the renewed or amended permit, unless that permit provides for an alternative method for obtaining authorization.

The General Permit authorizes the discharge of stormwater from construction activities until the Permit's expiration date. The General Permit also authorizes the discharge of stormwater from offsite support activities, provided that certain activities are met as outlined in the General Permit (Part II A. 2.). The General Permit also authorizes certain non-stormwater discharges, provided conditions contained in the Permit (Part II A. 3.).

Upon final stabilization of the last lot to be built by the operator in the applicable subdivision, a Notice of Termination (NOT) will be submitted to the TCEQ. Coverage under the General Permit will be deemed terminated 2 days after submittal of the NOT, a copy of which is in Appendix B. The Operator will retain this SWPPP, including all Appendices and Inspection Reports, for a period of no less than 3 years from the date of submission of the NOT.

### 1.3 ALLOWABLE NON-STORMWATER DISCHARGES

The following non-stormwater discharges sites authorized under the General Permit are also authorized under the General Permit:

- (a) discharges from fire fighting activities;
- (b) fire hydrant flushings;
- (c) vehicle, external building, and pavement wash water where detergents and soaps are not used and where spills or leaks of toxic or hazardous materials have not occurred (unless spilled materials have been removed; and if local state, or federal regulations are applicable, the materials are removed according to those regulations), and where the purpose is to remove mud, dirt, an dust;
- (d) water used to control dust;
- (e) potable water sources including waterline flushings;
- (f) air conditioning condensate;
- (g) uncontaminated ground water or spring water, including foundation or footing drains where flows are not contaminated with industrial materials such as solvents;
- (h) any discharge authorized under a separate NPDES, TPDES, or TCEQ permit may be combined with discharges authorized under the General Permit.

### 1.4 SENSITIVE WATERS AND INDIAN COUNTRY LANDS

There are no discharges of stormwater from this site to impaired waters as listed in the most recent Clean Water Act Section 303d list of impaired water bodies found at:

[http://www.tceq.state.tx.us/compliance/monitoring/water/quality/data/wqm/305\\_303.html](http://www.tceq.state.tx.us/compliance/monitoring/water/quality/data/wqm/305_303.html). No construction activities will occur on Indian Country lands, nor shall any discharges enter Indian Country lands.

## 2. General Requirements

### 2.1 DEADLINES

The SWPPP provides for compliance with the terms and schedule of the General Permit beginning with the initiation of construction activities and following through to the completion of construction activities and final stabilization.

Additional and supporting deadlines for the General Permit provide for the authorization to discharge stormwater from this construction site.

### 2.2 INCORPORATION OF OTHER PLANS

The requirements of the General Permit are satisfied by incorporating by reference other plans developed for this construction activity. Supporting signatures of responsible parties for any shared plans shall be made in accordance with 30 TAC § 305.44 and shall be included in Appendix C.

### 2.3 PLAN ADMINISTRATION

The SWPPP preparer is: **Name of person or position, Company, phone number** a list of qualifications for the SWPPP preparer is included in Appendix D

The Operator for this site is: **Name of Company**

The person responsible for day-to-day operations at the site is: **Name of person or position with phone number**

The person responsible for conducting BMP inspections on this site is: **Name of person, position, or company with phone number** a list of qualifications for the person conducting BMP inspections on this site is included in Appendix D.

The SWPPP has been prepared in accordance with the General Permit requirements. Copies of the SWPPP will be kept on-site and be made available to State, Federal, local or other agencies having authority upon request. The SWPPP will also be available to all operators identified as having responsibilities to carry out provisions contained in the SWPPP.

### 2.4 OTHER PARTIES

The following is a list of control measures and BMPs that have been, or will be, installed, maintained and inspected by another party. The signature from the other party is in accordance with 30 TAC § 305.44 and shall be included in Appendix C.

BMP	Location	Signature

## 2.5 SWPPP UPDATES

The SWPPP will be amended whenever there is a change in design, construction, operation or maintenance of the construction site that has a significant effect on the potential for the discharge of pollutants to surface waters and that has not been addressed in the normal implementation of the SWPPP. The SWPPP will also be updated whenever it is found to be ineffective in meeting the requirements of the General Permit. In the event a State, Federal, local or other agency, or the BMP inspector notifies the Permittee that the SWPPP or individual BMPs does not meet one or more of the provisions of the General Permit, within a period of seven days the Permittee will make the required changes to the SWPPP or individual BMPs.

### 3. Specific Requirements

#### 3.1 SITE DESCRIPTION

Type of Construction Activity: Residential Single Family

**List of potential pollutants:**

Potential Pollutant:	Source
Paint	Painting activities
Concrete Wastes	Pouring activities
Wood Debris	
Insulation Debris	
Roofing Debris	
Grout and Mortar Compound	
Sealants	
Human wastes	Port-o-potty
Sediment	Exposed soils

**Construction schedule of events:**

Activity	Begin Date	End Date	Description
Utility Connections	April 2006	May 2006	Connect household sewer, drinking water, and electricity
Foundation	May 2006	July 2006	Excavate/fill foundation area, build form boards, pour concrete, finish concrete
Framing	July 2006	August 2006	Create house frame using wood products

Total area disturbed: 0.25 acres

Soil types: general description of primary soil type, i.e. sandy loam/silt/clay

No asphalt or concrete plants supporting this site are authorized under this permit.

Receiving water bodies: Walnut Creek

## 3.2 GENERAL AREA MAP

Attach Copy of General Area Map

### 3.3 DETAILED SITE MAP

Attach Copy of Detailed Site Map Showing  
Drainage Patterns  
Areas of Disturbance  
Locations of Erosion and Sediment Controls  
Location of Stabilization Practices  
Adjacent Surface Waters



1. Install and maintain silt fence to prevent run-on and run-off of sedimentation. Silt fence is inspected and maintained to stay effective.
2. Construction entry location, gravel or small stone to prevent tracking off site. Located as high as possible on the slope to reduce run-on and run-off.
3. Portable restroom placed over ground, not driveway or street.
4. Construction waste collection area. All construction waste will be cleaned up from site daily, and removed as containment area becomes full.
5. Storm drain inlet covers cleaned and maintained as needed.
6. Exposed soils will be stabilized as soon as possible to prevent sedimentation.

### 3.4 EROSION AND SEDIMENT CONTROL BMPS

(print additional pages if necessary)

BMP	Installation Date	Description	Removal Date
Silt Fence	Before construction begins	Silt fence will be installed in accordance with NCTCOG iSWM guidelines in locations necessary to prevent sedimentation as noted in the detailed site map	No more than 48 hours prior to final stabilization
Curlex, other rolled erosion control product	Before construction begins	Curlex, or a similar rolled erosion control product will be placed over exposed soils on the perimeter of the site to prevent erosion	No more than 48 hours prior to final stabilization
Final Stabilization/Sodding	Within 48 hours after construction activities cease	Final stabilization of the site will consist of placing sod on all exposed soil areas. Any temporary control measures (silt fence, curlex, etc...) will be removed prior to sodding.	None
Construction Entrance	Before construction begins	A gravel construction entrance will be placed on site to prevent off site tracking by delivery vehicles	No more than 48 hours prior to final stabilization
Other? (List)			

### 3.5 OTHER CONSTRUCTION ACTIVITY BMPS

(print additional pages if necessary)

BMP	Installation Date	Description	Removal Date
Sanitary Facilities/Port-o-Potty	No later than day of activity beginning	Sanitary facilities (port-o-potties) will be placed on grassed areas, or over bare soil to prevent leakage onto impervious surfaces and entering the storm drain system	Last day of activities
Concrete Washout Areas	At least 48 hours prior to concrete delivery	If no concrete washout areas are provided for the entire subdivision, an area of the lot will be created and designed in accordance with NCTCOG iSWM guidelines	Within 48 hours after last concrete delivery
Onsite Debris and Waste Management	Before construction begins	A location on the lot will be identified for waste and construction debris storage until it has been removed for disposal in accordance with NCTCOG iSWM guidelines. Constructions wastes will be cleaned up daily. No solid materials will be discharged to surface waters.	Within 48 hours after construction activities cease
Chemical Management	Before any chemicals are used on site	Chemicals used on site, including paints/solvents/sealants etc..., are kept in small quantities and stored in closed containers under cover and kept out of direct contact with stormwater. Any spills will be cleaned up immediately, and the waste disposed of according to Federal, State and local regulations.	
Onsite Construction Material Storage		Construction materials stored on site will be covered, when applicable, or otherwise stored in a manner to reduce the possibility of a pollutant escaping the site	
Other? (List)			

### 3.6 STABILIZATION PRACTICES

Site stabilization will consist of: sodding, mulching exposed soils, preserving existing trees and vegetation

Dates of major grading under this permit:

Begin \_\_\_\_\_ End \_\_\_\_\_

Begin \_\_\_\_\_ End \_\_\_\_\_

Dates of temporary or permanent stoppage of construction

Temp: Stop \_\_\_\_\_ Resume \_\_\_\_\_

Permanent: \_\_\_\_\_

Date of stabilization installation: \_\_\_\_\_

### 3.7 PERMANENT AND OTHER STORMWATER CONTROLS

No permanent stormwater controls will be installed on site during construction activities covered by this SWPPP.

No asphalt or concrete batch plants will be authorized for this site under this SWPPP.

No velocity dissipating devices will be installed on this site during the activities covered by this SWPPP.

### 3.8 APPROVED STATE AND LOCAL PLANS

This Stormwater Pollution Prevention Plan (SWPPP) was prepared to comply with Texas Pollutant Discharge Elimination System (TPDES) permit as defined in the Construction General Permit TXR 150000 Part III Section F.

Currently, there are no erosion and sediment or stormwater permits issued by the City for this site.

### 3.9 INSPECTION AND MAINTENANCE

A person qualified to assess the effectiveness and appropriateness of pollution control measures and familiar with this SWPPP will conduct regular inspections of the construction site. Inspections will include a review of all areas of soil disturbance, structural and non-structural control measures, material storage areas and vehicle access points. Inspections will be conducted (select 1) a) once every seven days (on the same day of the week every week) or b) once every fourteen days AND after every rainfall

greater than 0.5 inch. Areas that have already been stabilized, or where runoff is unlikely to frozen or snow covered ground will be inspected on at least a monthly basis. The list of qualifications for the inspector is included in Appendix D.

Inspections are intended to identify areas where the pollutant control measures at the site are ineffective and are allowing, or could potentially allow, pollutants to enter surface waters. Receiving water will be inspected to ascertain whether control measures are effective in preventing significant impacts. Locations where vehicles enter or exit the site will be inspected for evidence of offsite sediment tracking.

If inspection results determine site conditions and/or control measures are found to have changes, the SWPPP will be updated within a period of 7 calendar days of notification. If control measures need to be modified to assure effectiveness or if additional measures are determine to be necessary, implementation will be completed prior to the next anticipated storm event or as soon as practicable.

Inspections forms are located in Appendix E.

Maintenance of the pollution control measures incorporated into this project must be maintained on a regular basis to assure effectiveness. This includes repairs to all erosion and sediment controls, including cleanout of all sediment traps and built up sediments at the intervals or conditions required. Those controls found to be ineffective during routing inspections will be repaired before the next anticipated storm event or as soon as practicable. A more detailed description of the maintenance procedures can be found in the latest edition of the NCTCOG iSWM Design Manual for Construction.

## **APPENDIX A**

TCEQ Construction General Permit TXR 150000

## **APPENDIX B**

Notice of Intent, Construction Site Notice,  
Notice of Change, Notice of Termination

## **APPENDIX C**

### Other Operator Plans

## **APPENDIX D**

### Qualifications for Preparer/Inspector

## **APPENDIX E**

### Inspection Forms

## Inspection of Controls Forms

Complete this form and retain in your SWPPP every 7 days; OR, every 14 days and within 24 hours of a ½ inch rainfall event.

Inspector (name/title): \_\_\_\_\_ Location: \_\_\_\_\_

Inspection Date: \_\_\_\_\_ Day: \_\_\_\_\_ Time: \_\_\_\_\_ am/pm

Scope of inspection: 14 Day Inspection \_\_\_\_\_ Weekly Inspection \_\_\_\_\_ Day of week normally conducted: \_\_\_\_\_  
 0.5 Rainfall Event \_\_\_\_\_

Inspection Type:	On Site? (Y/N)	Areas of Concern (Describe in detail in the BMP section)
Disturbed Soil Areas		
Material Storage Areas		
Structural Controls		
Sediment & Erosion Controls		
Entrance(s) and Exit(s)		

Discharges:

Nature of discharge (silt, gravel, sand, other pollutant)	Location on-site of discharge

Best Management Practices Inspected: (make additional copies of form if needed)

BMP and Location	OK (no action required)	BMP failed (describe failure)	Required Maintenance (describe corrective actions needed)
Additional BMPs Needed			
Location	Best Management Practice		Replacing Existing BMP?

Describe all incidents of non-compliance (i.e. major discharges, BMP failures):

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Where a report does not identify any incidents of non-compliance, the report must contain a certification that the facility or site is in compliance with the storm water pollution prevention plan and this permit. The report must be signed by the person and in the manner required by 30 TAC § 305.128 (relating to Signatories to Reports)

I certify that there were no incidents of non-compliance with TXR150000 permit requirements regarding stormwater protection at the location identified in this report for the day of this inspection

Name/Title: \_\_\_\_\_ Date: \_\_\_\_\_