

NORTHTOWN MUD

STORMWATER MANAGEMENT PLAN

Introduction

Northtown Municipal Utility District (“District”) contains approximately 1,224 acres and has approximately 8,000 residents. The District is governed by a Board of Directors (“Board”) which contracts with various consultants and contractors to carry out its purposes. The District owns and maintains water quality ponds, detention ponds, a wastewater collection system including gravity lines and lift stations, water distribution lines, parks, trails, and open space/floodplain areas.

A majority of the District is developed as single family residential neighborhoods. Portions of the District will be developed with multi-family or commercial uses. The District is entirely within the extraterritorial jurisdiction of the City of Austin (“City”), and all development within the District is regulated by the City. Certain components of this Stormwater Management Plan (“SWMP”) related to construction activities refer to City development regulations.

This SWMP addresses the six components specified in General Permit TXR040000.

1. Public Education

a. Public Education

i. Residents

The District operator will provide special inserts into monthly utility bills two times per year. The inserts will be prepared by the District’s operator with assistance from the District’s engineer. Sample inserts will be obtained from other MS4s with existing MS4 permits, such as the City of Austin, to use in preparing inserts for the District. The special insert will include information about methods to reduce pollution runoff.

The District will include educational information on its website regarding storm water impacts and ways to minimize storm water pollution.

ii. Visitors

Visitors to District facilities or sites not accessible to the public will be accompanied by the District’s operator or engineer, who will make the visitors aware of the requirements of the District’s SWMP as it relates to activities in which the visitor may engage. Visitors will be provided a copy of the SWMP when appropriate.

iii. Public Service Employees

1. Texas Disposal Systems, Inc. (TDS)– The District will provide notice to TDS of the District’s SWMP and require TDS to train all employees who will be performing work in the district on the requirements of the SWMP.
2. Travis County Sheriff’s office – The District’s engineer will provide training on the District’s SWMP for the deputy who oversees extra patrols performed under a special contract with the District. Specific attention will be paid to extra patrol deputies abilities to spot and report potential illicit discharges within the District.

iv. Businesses

The District operator will provide special inserts into monthly utility bills two times per year. The inserts will be prepared by the District’s operator with assistance from the District’s engineer. Sample inserts will be obtained from a large MS4s with existing MS4 permits, such as the City of Austin, to use in preparing inserts for the District.

v. Commercial and Industrial Facilities

1. The District operator will provide special inserts into monthly utility bills two times per year. The inserts will be developed by the District’s operator with assistance from the District’s other consultants. Sample inserts will be obtained from large MS4s with existing MS4 permits, including the City of Austin, to use in preparing inserts for the District.
2. District representatives will meet with the owner of any proposed industrial facility to be constructed within the District to identify specific activities which pose a potential pollution risk to stormwater runoff within the District. Specific action items will be developed for each facility when necessary. The action items will be reported to and approved by the District’s Board of Directors.
3. The District engineer will meet with representatives of any public school(s) within the District to provide them information regarding storm water impacts and ways to minimize storm water pollution.

vi. Construction Site Personnel

The District engineer will instruct construction site supervisors regarding the District’s SWMP, and specific steps they can take to prevent pollution in stormwater runoff which could occur from construction activities.

b. Documentation

The District's engineer will prepare an annual report with input from the District's operator on activities undertaken as part of the public education component of the SWMP enumerated above. The report will be provided to the Board for approval prior to submission to the TCEQ.

2. Public Participation

- a. The District will hold a public meeting where it will make available a copy of the District's SWMP and receive public comment on the SWMP, including ways District residents can assist in implementation of components within the SWMP.
- b. The District will post the SWMP on its website and encourage reporting of violations to the proper authorities.
- c. The District will publish notice of the SWMP as required by TCEQ as part of the review process.

3. Illicit Discharge Detection and Elimination

a. Detection

- i. The District operator's personnel will be trained on detection of illicit discharges and will be required to report and investigate any potential illicit discharges.
- ii. Travis County sheriff deputies who patrol the District under special contract will be requested to notify the District operator immediately upon detecting a potential illicit discharge into the District's MS4.
- iii. The District will post the TCEQ Spill Reporting Hotline (800-832-8224) on its website.

b. Elimination

Any properly reported illicit discharges will be investigated by the District's operator in coordination with the District's engineer. The investigation will be coordinated with Travis County sheriff deputies when appropriate. The investigation will attempt to determine the nature of the discharge, the potential pollutants involved, and the source of the discharge. The District's other consultants will be kept informed of the results of the investigation as appropriate.

Once the investigation is concluded, a report will be provided to the Board of Directors of the District. The report will include a recommendation of any action to be taken to prevent additional discharges from the source identified in the report.

- c. System Map – The District’s engineer will prepare a map of the District’s drainage system which identifies outfall locations, ponds, type of each pond, and name and location of all Waters of the US within the District which receive storm water discharges. A copy of the map will be provided to the District operator.

4. Construction Site Storm Water Runoff Control

a. Notice of Intent (NOI)

The District’s Erosion Control Rules and Rules Regarding Protection of District Utility Systems adopted in September 2008, require temporary erosion control measures to be in place prior to beginning construction activities for any new project within the District which will disturb the ground. The control measures are required to be designed in accordance with the City of Austin Environmental Criteria Manual. Developers are required to obtain plan approval from the District prior to construction, which includes a review of the proposed temporary erosion controls. The control measures are required to be maintained throughout the construction period, and the developer must allow District representatives access to the site during construction. The District has contracted with an inspector to monitor the erosion controls during the construction period. The District’s engineer also conducts construction observation at least monthly for on-going construction projects in the District.

The District will adopt a rule requiring owners and contractors to provide the District engineer a copy of the NOI prior to beginning construction.

b. Notice of Termination (NOT)

The District will adopt a rule requiring owners and contractors to provide a copy of the NOT prior to District acceptance of construction projects.

5. Post-Construction Site Stormwater management.

The District will adopt a rule requiring new development and redevelopment projects that disturb greater than or equal to one acre of land, including projects less than one acre that are part of a larger common plan of development, to include post construction storm water controls designed in accordance with the City of Austin Environmental Criteria Manual. The District’s engineer reviews all construction plans and will not approve plans which do not include post construction control measures. The new or amended rule will include enforcement provisions.

Following a one year warranty period for all construction projects, the District assumes operation and maintenance responsibility for ponds or other control measures which it has agreed to maintain. The District contracts with a

landscape maintenance company to maintain all the permanent ponds, open space areas, and riparian areas which it owns or has an easement for.

The District will adopt a rule requiring ponds or other control measures which will not be maintained by the District to be owned by an entity which will provide for the long term operation and maintenance of the post construction control measures.

6. Pollution Prevention/Good Housekeeping

a. Municipal Operations

The District owns the following facilities which could pose a pollution runoff threat to Waters of the US:

- Detention Ponds
- Water Quality Ponds
- Lift Stations
- Open Space - Floodplain
- Open Space - Landscape areas
- Open Space - Parks
- Open Space - Trails

b. Training

The District does not have any employees, but relies on consultants and contractors to achieve its objectives. The District's engineer will conduct a training session with the District's operator and landscape contractor regarding the requirements contained within the District's SWMP.

Other contractors performing work within the District will be provided with training on the SWMP at the pre-construction meeting prior to commencing work within the District.

The District will also require personnel performing maintenance operations to undergo training on potential sources of stormwater contamination and ways to minimize the water quality impact of municipal activities. Training programs should include a general stormwater awareness message, pollution prevention/good housekeeping measures, Spill Response and Prevention, and information about the maintenance of structural best management practices (BMPs). Training programs also should include information on stormwater pollution prevention plans (SWPPPs) for District facilities and BMPs recommended for use in the field to prevent contaminated discharges.

c. Maintenance

The maintenance procedure and inspection schedule for each District facility is as follows:

Item / Action	Frequency	Party Responsible
<u>Detention and Water Quality Ponds</u>		
Mowing	Monthly, or as needed	Landscape contractor
Clearing of trash/floatables	occurs during normal mowing operations	Landscape contractor
Inspection	Once per permit term	District engineer & operator
<u>Lift Stations</u>		
String trimming	Monthly, or as needed	Landscape contractor
Spill response	As needed	District operator
Inspection	Once per permit term	District engineer & operator
<u>Open Spaces</u>		
Mowing	Monthly, or as needed	Landscape contractor
Clearing of trash/floatables	occurs during normal mowing operations	Landscape contractor

Inspection reports will be prepared by the District engineer for the Board with any necessary repairs or other recommended follow up action identified.

The District's contract with TDS includes a requirement that all TDS vehicles be kept in proper operating condition and provides for penalties for the use of any vehicle which is leaking fluid.

d. Disposal of Waste

Any sediment, trash, or other material which is collected during maintenance operations shall be disposed of at a TCEQ permitted disposal facility, or at a composting facility, as appropriate.

e. Municipal Operations and Industrial Activities

- (1) District operations which are subject to the provisions of this SWMP are listed above.
- (2) There are no District owned industrial activities which are subject to industrial stormwater regulations.

IMPLEMENTATION SCHEDULE

<u>SWMP Activity</u>	<u>Date to complete by</u>
Hold Public Meeting on SWMP	October, 2008
Prepare Public Education materials	November, 2008
Post Public Education information on website	December, 2008
Post Spill Response Hotline on website	December, 2008
System Map	December, 2008
Post SWMP on website	March, 2009
	(or within 6 months of receiving permit)
1 st Distribution of Public Education bill inserts	March, 2009
Public Service Employee training on SWMP	
TDS	May, 2009
Sheriff deputy	May, 2009
	(or within 6 months of receiving permit)
District's contractors training on SWMP	
Landscape contractor	May, 2009
Operator	May, 2009
	(or within 6 months of receiving permit)
Adopt Rules regarding NOI, Post Construction Controls, NOT, Long Term Maintenance Requirement	December, 2009
District contractors general stormwater training	Continuous following permit issuance (to be included with each Project Pre-Construction meeting)