

South Montgomery County Storm Water Coalition

Storm Water Management Program

As Required By the:

**TPDES Phase II MS4 General Permit
No. TXR040000**

- City of Oak Ridge North
- Montgomery County DD No. 6
- Montgomery County DD No. 10
- Montgomery County MUD No. 19
- Montgomery County MUD No. 99
- Southern Montgomery County MUD
- Rayford Road MUD
- Spring Creek UD

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**South Montgomery County Storm Water Coalition
Small Municipal Separate Storm Sewer System
Storm Water Management Program**

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1: Public Education, Outreach, and Involvement

(a) Public Education and Outreach

1. The Public Education and Outreach minimum measure consists of Best Management Practices (BMPs) that focus on the development and distribution of educational materials designed to inform the public about the impacts that storm water discharges have on local water bodies and the steps that the public can take to reduce pollutants in storm water runoff. The Coalition is dedicated to educating the public on the impacts storm water quality can have on their community, the hazards of storm water pollution and the steps that can be taken to reduce the pollutants introduced into the storm water collection system. Education of the public was found to have been the most important aspect of the previous permit and continuing the education of the public is of high importance for the Coalition. (Part III, Section B.1.(a).(1).a)
2. The Coalition has considered the target audiences required by the permit and will distribute information to the following audiences: (Part III, Section B.1.(a).(1).b)
 1. residents
 2. visitors
 3. public service employees (Coalition Member Employees)
 4. businesses
 5. commercial and industrial facilities
 6. construction site personnel
3. In order to reach the local residents, the Coalition will send out education materials to residents and business owners twice a year detailing the effects that their activities have on storm water quality along with measures that they can undertake to reduce or eliminate storm water pollution. The Coalition will also post these and other education materials on their website for residents and business owners to reference in the future. Coalition members that have their own website shall publish the educational material on their website. Each Coalition member will provide construction personnel with education material as to the effects of construction has on the storm water quality. (Part III, Section B.1.(a).(1).c)
4. The most cost effective method of distributing the flyers to the public will be to distribute them via the water bills for the Utility Districts and Cities within the Coalition, and mail outs to residents within the boundaries that do not receive a water bill. In addition, the educational materials will be included on the website and the webpage address will be provided to resident and business owners within the Coalition. (Part III, Section B.1.(a).(1).d)

Summary of Best Management Practices and Measurable Goals

- Flyers and Brochures: Distribution or posting of flyers and brochures for the purpose of educating the public on storm water impacts and ways they can minimize storm water pollution. These flyers will also focus on the impact of illegal dumping and littering.
- Education of Construction Site Personnel: Distribution of guidance materials to construction site personnel on the proper installation and maintenance of erosion and sediment controls, and other construction site runoff issues.

Documentation of Activities

- The MS4 operator must document activities conducted and materials used to fulfill this control measure. Documentation shall be detailed enough to

demonstrate the amount of resources used. This documentation shall be retained in the annual reports required in Part IV.B.2 of this general permit.

- The educational activities and materials that will be used to fulfill this control measure will be documented. The documentation of these records will be summarized in an annual report and will be specific enough to demonstrate the volume of educational materials distributed. Included in each BMP is a description of what records will be maintained and reported in the annual reports. (Part III.A.1.(c))

BMP	Records to be Maintained and Summarized in Annual Reports	Measurable Goals
1. Flyers and Brochures	Estimated quantities of educational materials distributed to the public regarding the impacts of illegal dumping and littering	Distribute or post at least 2 types of available brochures per year. (Years 1,2,3,4,5)
2. Education of Construction Site Personnel	Estimated quantities of educational materials or guidance documents distributed	Distribute to construction site personnel at least 1 guidance document on construction site runoff issues each year (Years 1,2,3,4,5)

(b) Public Involvement

1. The Public Involvement minimum measure consists of Best Management Practices (BMPs) that focus on involving local public input in development and implementation of the SWMP. Compliance with State, Tribal, and local public notice requirements will facilitate involvement of the public in development, submittal (NOI and SWMP), and implementation of the public involvement/participation program. (Part III, Section B.1.(b).(1))
2. The Coalition will need to have inlet markers replaced as needed. The public will be asked to help place these markers at the Coalition meetings. (Part III, Section B.1.(b).(2))
3. The public can acquire information about the Storm Water Management Program by visiting the City of Oak Ridge North, the office of Southern Montgomery County Municipal Utility District or visiting the websites at <http://oakridgenorth.com>, <http://smcmud.com>, <http://rayfordroadmud.com> or <http://www.smcstormwater.org>. (Part III, Section B.1.(b).(3)) A complete copy of the storm water management plan will be available at all these locations.

Summary of Best Management Practices and Measurable Goals

- Participate in SWMP Committee: Participation in a local committee on SWMP program development and implementation. The Coalition will meet a minimum of two times per year to discuss the status of the SWMP. The public is welcome to attend and participate. Meeting notices are posted pursuant to applicable Texas Open Government laws. The Coalition will also meet to develop new ideas to encourage a greater spectrum of participation from the public.
- Inlet Marking: Storm inlets to be marked and markings maintained throughout the permit term.
- The Storm Water Management Plan will be posted and kept up to date at several locations with the Coalition Member boundaries. The plan will be posted at the City of Oak Ridge North City Hall, the offices of Southern Montgomery County Municipal Utility District and at the following websites: <http://oakridgenorth.com> <http://smcmud.com>, <http://rayfordroadmud.com> and <http://www.smcstormwater.org>.

BMP Measurable Goals & Recordkeeping

BMP	Records to be Maintained and Summarized in Annual Reports	Measurable Goals
3. SWMP Committee	The names of committee members and the number of committee meetings held	Invite citizens to participate at least regular meeting that occur at least three times per year (Years 1,2,3,4,5)
4. Inlet Marking	The number of inlets marked along with the number of volunteers to place markers.	Ensure that all the inlets are marked within the Coalition boundaries along with encouraging the public to participate in this activity (Years 1,2,3,4,5)
5. Storm Water Management Plan Availability	Keep records of number of times the plan is requested.	Ensure that Plan is available to public and TCEQ upon Inspection. (Years 1,2,3,4,5)

2: Illicit Discharge Detection and Elimination (IDDE)

(a) Program Development

1. The Coalition will update their existing MS4 Map with any new outfalls operated by the Coalition that discharge into the waters of the U.S. The location and name of all surface waters receiving discharges from the Coalition outfalls will be clearly labeled and the MS4 map will be available to review at the offices of Huitt-Zollars, Inc., the City of Oak Ridge North and the offices of Southern Montgomery County Municipal Utility District. (see Part III, Section B.2.(a)(1)(a) and Part III, Section B.2.(c)(1));
2. Each coalition member will set up a once a year education program to inform their individual field staff as to what to look for when it comes to illicit discharges along with procedures as to how to deal with the illicit discharge. This training will also teach MS4 staff to inspect the construction site BMP's as to their effectiveness. (See Part III, Section B.2(a)(1)(b) and Part III, Section B.2.(c)(2));
3. The Coalition has set up a phone number for residents and the general public to call to report any illicit discharges. These calls are routed to the storm water quality officer to begin an investigation to eliminate the illicit discharge. Field staff are dispatched to the site to take samples to determine the nature of the illicit discharge, if necessary contact an outside company to rectify the problem. (See Part III, Section B.2(a)(1)(c-d), Part III, Section B.2(c)(3) and Part III, Section B.2(c)(4))
4. The Coalition members will investigate any known leaking on-site sewerage disposal systems within their boundaries. If a site is discovered, the Coalition Member will notify the Montgomery County Health Department, who has jurisdiction/enforcement authority over On-Site sewerage systems. (See Part III, Section B.2(a)(1)(e))
5. Source Investigation and Elimination procedures.
 - A. The Coalition staff will investigate and respond to identified sources of illicit discharges into the MS4's system. The priority will be given to discharges that are known to have an adverse impact on the health and safety of the public. If an illicit discharge is known to have an adverse impact on the health of the public the MS4's staff will immediately notify the Texas Commission on Environmental Quality of the incident. The following procedure will be followed to ensure that each illicit discharge is addressed. (See Part III, Section B.2.(a)(1)(c-d) and Part III, Section B.2.(c)(5)(a))
 - i. Identify and Prioritize the Illicit Discharge
 - ii. Notify the TCEQ as necessary.
 - iii. Track the discharge to the source and contact the responsible party of the illicit discharge.
 - iv. Schedule cleanup of the illicit discharge, if necessary.
 - v. Document occurrence from initial investigation to resolution of problem.
 - B. The Coalition has the staff to trace the illicit discharge to the source. Once a problem is observed at the outfall the Coalition staff will trace the illicit discharge through the storm sewer system up to the source. The Coalition will notify the TCEQ if the discharge is outside the boundaries of the Coalition to facilitate the elimination of the illicit discharge. (See Part III, Section B.2.(c)(5)(b))
 - C. Once the Coalition has located the source of the illicit discharge, the affected Coalition member will notify the responsible party to cease the illicit discharge and to clean up the affected area(s). (See Part III, Section B.2.(c)(5)(c))
 - D. Coalition members will investigate complaints and will regularly inspect the outfalls. Coalition staff will conduct regular inspection of affected areas until the illicit discharge is eliminated and the area has been restored. (See Part III, Section B.2.(c)(6))
6. The Coalition members discharge into waters with known water quality issues. These issues are increased levels of E. Coli and decreased levels of dissolved oxygen. The Coalition will continue to perform testing once per year to determine levels of E. Coli and dissolved oxygen and report these numbers to the TCEQ in their

annual report. The District does have increased levels of E. Coli but the Coalition believes that this is due to natural wildlife in the area (turtles, deer, beavers, etc.) and not an illicit discharge from residents.

7. Allowable Non-Storm Water Discharges

The following is a list of current allowable non-storm water discharges that will not be considered an illicit discharge absent contamination:

- A. Water line flushing (excluding discharges of hyperchlorinated water, unless the water is first dechlorinated and discharges are not expected to adversely affect aquatic life);
- B. Runoff or return flow from landscape irrigation, lawn irrigation, and other irrigation utilizing potable water, groundwater, or surface water sources;
- C. Discharges from potable water sources that do not violate Texas Surface Water Quality Standards;
- D. Diverted stream flows;
- E. Rising ground waters and springs;
- F. Uncontaminated ground water infiltration;
- G. Uncontaminated pumped ground water;
- H. Foundation and footing drains;
- I. Air conditioning condensation;
- J. Water from crawl space pumps;
- K. Individual residential vehicle washing;
- L. Flows from wetlands and riparian habitats;
- M. Dechlorinated swimming pool discharges that do not violate Surface Water Quality Standards;
- N. Street wash water excluding street sweeper waste water;
- O. Discharges or flows from emergency fire fighting activities (fire fighting activities do not include washing of trucks, run-off water from training activities, test water from fire suppression systems, and similar activities);
- P. Other allowable non-storm water discharges listed in 40 CFR § 122.26(d)(2)(iv)(B)(1);
- Q. Non-storm water discharges that are specifically listed in the TPDES Multi Sector General Permit (MSGP) TXR050000 or the TPDES Construction General Permit (CGP) TXR150000;
- R. Discharges that are authorized by a TPDES or NPDES permit or that are not required to be permitted; and
- S. Other similar occasional incidental non-storm water discharges such as spray park water, unless the TCEQ develops permits or regulations addressing these discharges.

BMP Measurable Goals & Recordkeeping

BMP	Records to be Maintained and Summarized in Annual Reports	Measurable Goals
6. Maintain and update the MS4 Outfall Inventory Map	Update the map with new drainage structures and outfalls as needed	Conduct 1 review of the map per year for the permit term. (Years 1,2,3,4,5)
7. Education of field personnel	Number of field personnel attending training and information of the training	Conduct 1 training session per year (Years 1,2,3,4,5)
8. MS4 Outfall Screening (Dry Weather Screening of Outfalls)	Outfall screening and investigations for each outfall	Screen 100% of the outfalls once per year for the permit term. (Years 1,2,3,4,5)
9. Interagency Agreements	Interagency agreements are currently in place for existing coalition members.	Refer enforcement actions to the appropriate Coalition Member with legal authority. (Years 1,2,3,4,5)

3: Construction Site Storm Water Runoff Control

The Construction Site Runoff minimum measure consists of Best Management Practices (BMPs) that focus on the reduction of pollutants in storm water runoff to the MS4 from construction activities that result in a land disturbance of greater than or equal to one acre or construction activity that is part of a larger common plan of development or sale that would disturb one acre or more of land.

All municipally owned construction sites resulting in a land disturbance of greater than or equal to one acre or is part of a larger common plan of development or sale will comply with TCEQ Construction General Permit No. TXR150000. Each required site will incorporate a Storm Water Pollution Prevention Plan (SWP3) including adequate sediment and erosion controls.

The SWP3 will also contain measures to control discarded building materials, concrete truck washout water, chemicals, litter and sanitary waste generated at each construction site.

Site inspections will be conducted at Coalition owned construction sites and non-Coalition sites in accordance with the TCEQ Construction General Permit.

The public will be able to call the phone number established under Item 2a(3) to notify the Coalition as to problems the public has noticed with any BMP at a construction site.

The Coalition Members have developed a Construction Ordinance or Order, allowing them the authority to require non-Coalition owned construction activities that discharge to the MS4 to include appropriate sediment and erosion controls and controls necessary to control waste such as discarded building materials, concrete truck washout water, chemicals, litter, and sanitary waste at the construction site that may cause adverse impacts to water quality.

Included in each BMP is a description of what records will be maintained and reported in the annual reports. As required by the permit, each BMP contains a detailed implementation schedule, measurable goals and the responsible party.

Best Management Practices and Measurable Goals:

- A. SWMP Review:** Each coalition member shall review the Storm Water Management Plant annually and recommend any proposed changes to the plan. (See Part III, Section B.3.(b)(1))
- B. Construction SWP3 Review and Permit Compliance:** Implement a construction SWP3 review and compliance program that focuses on compliance with the local storm water permit requirements. The individual plans that are submitted must include the following (See Part III, Section B.3.(b)(2)(a-c) and See Part III, Section B.3.(b)(4)(a-b)):
 - 1. Erosion and Sediment Controls
 - 2. Soil Stabilization Measures
 - 3. BMPs to minimize discharge of pollutants from wash waters
 - 4. Minimize exposure of materials on the construction to precipitation that could cause stormwater runoff contamination.
 - 5. Containment structures to minimize pollutant spills and leaks
- B. Construction Site Inspection:** Conduct inspections of construction sites and related SWP3s for compliance with the local storm water permit requirements.
- C. Construction Site Notice Posting:** Post an appropriate site notice or NOI in a publicly Accessible location for each Coalition Member owned construction project subject to the TCEQ Construction General Permit.

- D. Construction Ordinance/Rate Order:** Develop and enforce ordinance/rate order or stormwater policies requiring construction sites that disturb greater than or equal to 1 acre or are part of a common plan of development that disturbs greater than or equal to 1 acre, to implement appropriate erosion and sediment control BMPs, and control wastes such as discarded building materials, concrete truck washout water, chemicals, litter, and sanitary waste at the construction site that may cause adverse impacts to water quality.

BMP Measurable Goals & Recordkeeping

BMP	Records to be Maintained and Summarized in Annual Reports	Measurable Goals
10. Construction SWP3 Review and Permit Compliance	The number of plans reviewed and approved for construction under this program	Review construction plans within the Coalition that will result in the disturbances of greater than or equal to one acre, or are part of a common plan of development or sale that will result in the disturbance of one or more acres for compliance with the local storm water permit requirements on an as needed basis (Years 1,2,3,4,5)
11. Construction Site Inspection	The number of construction site inspections performed and construction sites active and subject to the TCEQ Construction General Permit	Conduct inspections according to the local storm water permit requirements (Years 1,2,3,4,5)
12. Construction Site Notice Posting	Quantity of site notices posted and the number of public reports received and considered under this program	Post an appropriate site notice at each Coalition owned construction site subject to the TCEQ Construction General Permit (Years 1,2,3,4,5)
13. Construction Ordinance/Rate Order/Stormwater Policies	The number of enforcement actions issued based on the construction ordinance/rate order/stormwater policies	Enforce the construction ordinances/rate orders/stormwater policies as needed. (Years 1,2,3,4,5 for existing Coalition Members, Years 2, 3, 4 & 5 for New Coalition Members)

4: Post-Construction Storm Water Management in New / Redevelopment

To the extent allowable under State and local law, the MS4 operator must develop, implement, and enforce a program to address storm water runoff from new development and redevelopment projects that disturb greater than or equal to one acre, including projects less than one acre that are part of a larger common plan of development or sale that will result in disturbance of one or more acres, that discharge into the small MS4. The program must ensure that controls are in place that would prevent or minimize water quality impacts. The permittee shall:

- (a) Update and implement strategies which include a combination of structural and/or non-structural BMPs appropriate for the community;
- (b) Use an ordinance or other regulatory mechanism to address post-construction runoff from new development and redevelopment projects to the extent allowable under state and local law; and
- (c) Ensure adequate long-term operation and maintenance of BMPs.

The Post-Construction Storm Water Management minimum measure consists of Best Management Practices (BMPs) that focus on the prevention or minimization of water quality impacts from new development and redevelopment projects that disturb greater than or equal to one acre, including projects less than one acre that are part of a larger common plan of development or sale that discharge into the small MS4. (See Part III, Section B.4.(a)(1))

The Coalition will update and enforce a post-construction site runoff ordinance/order/policies to address new development and redevelopment projects that disturb greater than or equal to 1 acre or are part of a common plan of development that is greater than or equal to 1 acre. (See Part III, Section B.4.(a)(2))

Control measures selected will be inspected to ensure adequate long term maintenance of structural controls. (See Part III, Section B.4.(b)(3))

Included in each BMP is a description of which records will be maintained and reported in the annual reports. As required by the permit, each BMP contains a detailed implementation schedule and measurable goals.

Best Management Practices and Measurable Goals:

- A. Document and Maintain Records of Enforcement Actions:** Enforce and Maintain Records of any Enforcement Actions as required to ensure compliance with the Post Construction Site Runoff Ordinance/Rate Order.
- A. Development Project Plan Review:** Review development plans to ensure compliance with Coalition post-construction runoff guidelines and inclusion of appropriate permanent storm water quality controls.
- B. Inspection of Post Construction Control Measures:** Develop inspection forms and procedures for permanent storm water quality control structures to ensure adequate long term operation and maintenance of BMPs.
- C. Post Construction Site Runoff Ordinance/Rate Order:** Develop and enforce an ordinance/rate order/policy to address post construction runoff from new development and redevelopment projects that disturb greater than or equal to 1 acre of land or are part of a common plan of development resulting in greater than or equal to 1 acre of land disturbance. The Coalition will review the existing Post Construction Site Runoff

Ordinance/Rate Order/Policy and require the new Coalition participants to implement said Ordinance/Rate Order/Policy.

BMP Measurable Goals & Recordkeeping

BMP	Records to be Maintained and Summarized in Annual Reports	Measurable Goals
14. Document and Maintain Records of Enforcement Actions	The number of enforcement actions issued based on the post construction ordinances/rate orders/policies	Enforce Ordinances to ensure compliance with Post Construction Requirements by Owners of Controls (Years 1,2,3,4,5)
15. Development Project Plan Review	Development plans reviewed and approved under this program	Review construction plans for the inclusion of appropriate post-construction controls on an as needed basis (Years 1,2,3,4,5)
16. Inspection of Post Construction Control Measures	Inspection records and documentation of maintenance activities performed as a result of the inspection process	Conduct at least 1 inspection of control measures per permit term. Inspections of the Post Construction Control Measures will be conducted beginning in Year 1.
17. Post Construction Site Runoff Ordinance/Rate Order/Policies	Copies of the Executed Post Construction Site Runoff Ordinances/Rate Orders/Stormwater Policies from each Coalition Member	The Ordinance/Rate Order/Stormwater Policies will be reauthorized for the existing Coalition members and authorized for the new Coalition members in Year 2 of the permit term. Enforce the post-construction site runoff ordinances/rate order as needed (Years 1,2,3,4,5)

5: Pollution Prevention/Good Housekeeping for Municipal Operations

The Pollution Prevention / Good Housekeeping minimum measure consists of Best Management Practices (BMPs) that focus on training and on the prevention or reduction of pollutant runoff from municipal operations.

The Coalition will develop and maintain an inventory of facilities and storm water control that its respective members own and operate. (Part III, Section B.5(b)(1)) This inventory will include but not limited to the following:

- a. Composting facilities;
- b. Equipment storage and maintenance facilities;
- c. Fuel storage facilities;
- d. Hazardous waste disposal facilities;
- e. Hazardous waste handling and transfer facilities;
- f. Incinerators;
- g. Landfills;
- h. Materials storage yards;
- i. Pesticide storage facilities;
- j. Buildings, including schools, libraries, police stations, fire stations, and office buildings;
- k. Parking lots;
- l. Golf courses;
- m. Swimming pools;
- n. Public works yards;
- o. Recycling facilities;
- p. Salt storage facilities;
- q. Solid waste handling and transfer facilities ;
- r. Street repair and maintenance sites;
- s. Vehicle storage and maintenance yards;
- t. Structural storm water controls.

All Coalition Members will conduct employee training of personnel involved in pollution prevention and good housekeeping practices. (Part III, Section B.5(b)(2)) This training will occur once per year.

All coalition members will dispose of waste materials from their facilities in accordance with 30 TAC Chapters 330 or 335, as applicable. (Part III, Section B.5(b)(3))

Coalition members who hire contractors to perform maintenance on permittee-owned facilities must ensure that these contractors comply with all of the storm water control measures, good housekeeping practices and facility specific storm water management operating procedures. Each Coalition member will periodically inspect these measures to ensure that they are in compliance with the requirements of this permit and document such activities.

Municipal Operation and Maintenance Activities will be monitored to ensure these facilities will not discharge pollutants into the stormwater systems. The Coalition members will develop a plan for their specific activities. These activities are generally limited to the generally four Coalition members (City of Oak Ridge North, Montgomery County Drainage District No. 6 and Montgomery County Drainage District No. 10 and Southern Montgomery County Municipal Utility District).

Best Management Practices and Measurable Goals:

- A. Permittee-owned Facilities and Control Inventory:** Establish and maintain a list of facilities and storm water controls that each respective Coalition Member owns and operates. This item will be established in Year 1 of the permit term.

- B. Training and Education:** Conduct yearly training and education of the respective Coalition Member employees in pollution prevention and good housekeeping practices. This item will be established in Year 1 of the permit term.
- C. Disposal of Waste:** Waste materials that are removed as a result of maintenance activities will be stockpiled or disposed of properly; such as floatables, dredge spoils, and or accumulated sediments. This item will be established in Year 1 of the permit term.
- D. Coalition Contractors:** Coalition members will ensure that any contractor that they hire for maintenance will conform to the requirements of the SWMP. This item will be established in Year 1 of the permit term. Coalition members will develop an oversight procedure to ensure that contractors of Coalition members have a uniform set of procedures to follow.
- E. Municipal Operations and Maintenance Activities:** Specific Coalition members will develop a plan to minimize pollutants during roadway maintenance operations. Coalition Members will limit the usage of pesticides and herbicide, and will require that these chemicals be applied only by licensed personnel.

BMP Measurable Goals & Recordkeeping

BMP	Records to be Maintained and Summarized in Annual Reports	Measurable Goals
18. Permittee-owned facilities and Control Inventory	Keep records on the number of facilities owned and operated by Coalition members.	Update list at least once per year Create List During Year 1 and Maintain/Update List during Years 2,3,4,5
19. Employee Training Program	The name and number of employees trained.	Conduct at least one training program per year for the permit term
20. Disposal of Waste	Documentation regarding the disposal procedures for collected dredge spoil, accumulated sediments and floatables	Properly dispose of waste materials on a routine basis (years 1,2,3,4,5)
21. Coalition Contractors	The number of construction projects, number of inspection of each site and certificate from Coalition member stating that SWMP was followed.	Conduct inspection periodically of contractors to ensure compliance with requirements of SWMP.
22. Municipal Operations and Maintenance Activities	Keep records of the number and duration of Roadway Maintenance occurrences. Also keep records as to the amount of pesticide/herbicide usage.	Compile records of specific activities and encourage minimal usage of pesticides/herbicide.