

# **South Montgomery County Storm Water Coalition**

## **Storm Water Management Program**

**As Required By the:**

**TPDES General Permit No. TXR040000  
Small (Phase II) Municipal Separate Storm Sewer Systems**

**City of Oak Ridge North (RN 105576656)  
Montgomery County Drainage District No. 6 (RN 105514590)  
Montgomery County Drainage District No. 10 (RN 107569337)  
Montgomery County Municipal Utility District No. 19 (RN 105521389)  
Montgomery County Municipal Utility District No. 99 (RN 107572646)  
Southern Montgomery County Municipal Utility District (RN 105521215)  
Rayford Road Municipal Utility District (RN 105524953)  
Spring Creek Utility District (RN 105553473)**

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## **Coalition Shared Storm Water Management Program (SWMP)**

MS4 Operator Name: **City of Oak Ridge North**

TPDES Permit ID: TXR040273

Urban Area: The Woodlands – Conroe, TX

Brief Description: Area within the City of Oak Ridge North, Texas. The City is within The Woodlands – Conroe, TX Urbanized Area.

MS4 Level: Level 1

Population: 4,500

Receiving Waters: Spring Creek, indirectly

Do you agree to contribute to the shared responsibilities of this SWMP?

Yes,  No

MS4 Operator Signature: \_\_\_\_\_

## **Coalition Shared Storm Water Management Program (SWMP)**

MS4 Operator Name: **Montgomery County Drainage District No. 6**

TPDES Permit ID: TXR040121

Urban Area: The Woodlands – Conroe, TX

Brief Description: The District lies within the City of Conroe Extra Territorial Jurisdiction and the City of Houston Extra Territorial Jurisdiction; east of I-45 and west of San Jacinto River. The District is within The Woodlands – Conroe, TX Urbanized Area.

MS4 Level: Level 2b: Non-traditional MS4

Population: 20,000

Receiving Waters: Spring Creek, directly

Do you agree to contribute to the shared responsibilities of this SWMP?

   Yes,    No

MS4 Operator Signature: \_\_\_\_\_

## **Coalition Shared Storm Water Management Program (SWMP)**

MS4 Operator Name: **Montgomery County Drainage District No. 10**

TPDES Permit ID: TXR040475

Urban Area: The Woodlands – Conroe, TX

Brief Description: The District lies within the City of Conroe Extra Territorial Jurisdiction and the City of Houston Extra Territorial Jurisdiction; east of I-45 and west of San Jacinto River. The District is within The Woodlands – Conroe, TX Urbanized Area.

MS4 Level: Level 2b: Non-traditional MS4

Population: 5,000

Receiving Waters: West Fork San Jacinto River, indirectly

Do you agree to contribute to the shared responsibilities of this SWMP?

   Yes,    No

MS4 Operator Signature: \_\_\_\_\_

## **Coalition Shared Storm Water Management Program (SWMP)**

MS4 Operator Name: **Montgomery County Municipal Utility District No. 19**

TPDES Permit ID: TXR040123

Urban Area: The Woodlands – Conroe, TX

Brief Description: The District lies within the City of Houston Extra Territorial Jurisdiction; west of I-45 and along Sawdust Road. The District is within The Woodlands – Conroe, TX Urbanized Area.

MS4 Level: Level 2b: Non-traditional MS4

Population: 5,000

Receiving Waters: Spring Creek, indirectly

Do you agree to contribute to the shared responsibilities of this SWMP?

Yes,  No

MS4 Operator Signature: \_\_\_\_\_

## **Coalition Shared Storm Water Management Program (SWMP)**

MS4 Operator Name: **Montgomery County Municipal Utility District No. 99**

TPDES Permit ID: TXR040476

Urban Area: The Woodlands – Conroe, TX

Brief Description: The District lies within the City of Conroe Extra Territorial Jurisdiction; east of I-45 and west of San Jacinto River. The District is within The Woodlands – Conroe, TX Urbanized Area.

MS4 Level: Level 2b: Non-traditional MS4

Population: 5,000

Receiving Waters: West Fork of San Jacinto River, indirectly

Do you agree to contribute to the shared responsibilities of this SWMP?

   Yes,    No

MS4 Operator Signature: \_\_\_\_\_

## **Coalition Shared Storm Water Management Program (SWMP)**

MS4 Operator Name: **Southern Montgomery County Municipal Utility District**

TPDES Permit ID: TXR040122

Urban Area: The Woodlands – Conroe, TX

Brief Description: The District lies within the City of Houston Extra Territorial Jurisdiction; from Spring Creek to Alana Lane and from MPAC railroad to The Woodlands. The District is within The Woodlands – Conroe, TX Urbanized Area.

MS4 Level: Level 2b: Non-traditional MS4

Population: 15,000

Receiving Waters: Spring Creek, indirectly

Do you agree to contribute to the shared responsibilities of this SWMP?

   Yes,    No

MS4 Operator Signature: \_\_\_\_\_

## **Coalition Shared Storm Water Management Program (SWMP)**

MS4 Operator Name: **Rayford Road Municipal Utility District**

TPDES Permit ID: TXR040147

Urban Area: The Woodlands – Conroe, TX

Brief Description: The District lies within the City of Conroe Extra Territorial Jurisdiction and the City of Houston Extra Territorial Jurisdiction; east of I-45 and west of San Jacinto River. The District is within The Woodlands – Conroe, TX Urbanized Area.

MS4 Level: Level 2b: Non-traditional MS4

Population: 7,500

Receiving Waters: Spring Creek and the West Fork of San Jacinto River, indirectly

Do you agree to contribute to the shared responsibilities of this SWMP?

   Yes,    No

MS4 Operator Signature: \_\_\_\_\_

## **Coalition Shared Storm Water Management Program (SWMP)**

MS4 Operator Name: **Spring Creek Utility District**

TPDES Permit ID: TXR040216

Urban Area: The Woodlands – Conroe, TX

Brief Description: The District lies within the City of Houston Extra Territorial Jurisdiction; north of Spring Creek; east of I-45 and west of San Jacinto River. The District is within The Woodlands – Conroe, TX Urbanized Area.

MS4 Level: Level 2b: Non-traditional MS4

Population: 7,500

Receiving Waters: Spring Creek, indirectly

Do you agree to contribute to the shared responsibilities of this SWMP?

Yes,  No

MS4 Operator Signature: \_\_\_\_\_

## **Minimum Control Measure 1**

### **(a) Public Education and Outreach**

1. The Public Education and Outreach minimum measure consists of Best Management Practices (BMPs) that focus on maintaining a webpage ([smcstormwater.org](http://smcstormwater.org)), marking storm sewer drains, distribution of educational materials, and providing permanent stormwater related signage. These items will 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. The highest priority community wide issue for the areas within the coalition is ensuring that the channels are free from pollutants. These pollutants come in the form of illicit dumping of materials to the quality of the water. 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. The educational materials that will be distributed within the Coalition boundaries will focus on reducing these pollutants.
2. The Coalition has considered the target audiences required by the permit and will distribute information to the following audiences:
  1. residents
  2. public service employees (Coalition Member Employees)
  3. businesses
  4. commercial and industrial facilities
  5. 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 post the education materials on their website for residents and business owners to reference in the future. The Coalition will maintain or mark storm drain inlets with "No Dumping – Drains to the Creek". The Coalition will post permanent storm water signage at stormwater drainage facilities. The Coalition will maintain a webpage.
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.

### **Summary of Best Management Practices and Measurable Goals**

- Coalition Website: post education materials on website ([smcstormwater.org](http://smcstormwater.org))
- Storm Drains: maintain or mark storm drains, use volunteers if they are available.
- Flyers and Brochures: distribution of 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.
- Permanent Stormwater Related Signage: Post signage at stormwater drainage facilities.

### **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 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.

### **Public Education and Outreach BMPs**

<b>BMP</b>	<b>Records to be Maintained and Summarized in Annual Reports</b>	<b>Measurable Goals</b>
1. Coalition Website; include public hotline or e-mail address for reporting illicit discharge	Maintain website add flyers, brochures, SWMP and public hotline / e-mail address for reporting illicit discharge.	Maintain website with current information. Website will be maintained for the full year, Years 1-5.
2. Maintain or mark storm drains with, "No Dumping – Drains to Creek" message	Keep records of number of inlets marked and amount of volunteers used to place markers.	Ensure that all the inlets are marked within the Coalition boundaries along with encouraging the public to participate in this activity. Year 1 – determine areas that need to be marked. Year 2 – mark 25% of inlets. Year 3 – mark 25% of inlets. Year 4 – mark 25% of inlets. Year 5 – mark 25% of inlets.
3. Flyers and Brochures (grass clippings, fertilizer, pesticides, illegal disposal of household hazardous waste, pet waste, public hotline or e-mail address for reporting illicit discharge)	Estimated quantities of educational materials distributed to the public regarding the impacts of illegal dumping and littering.	Distribute two types of available brochures /flyers per year. Years 1 – 5.
4. Permanent Stormwater Signage	Maintain records of the amount of signs installed or replaced each year.	Determine language and location of signs in Year 1. Install 50% of signs in Year 2. Install 50% of signs in Year 3.

## **Minimum Control Measure 2**

### **(a) Public Involvement / Participation**

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.

#### **Summary of Best Management Practices and Measurable Goals**

- Public Education Events and Workshops: Host one event annually on stormwater topics. Items to include: rain barrels, fertilizer application, xeriscape, illicit dumping.
- Education Display / Booths: Prepare displays to be used at public events, include items to improve public understanding of issues related to water quality.
- Public meetings: Host Coalition public meetings to discuss the SWMP.

#### **Public Involvement / Participation BMPs**

<b>BMP</b>	<b>Records to be Maintained and Summarized in Annual Reports</b>	<b>Measurable Goals</b>
5. Public Education Events and Workshops	Maintain records of events and the attendees and include in the annual reports.	Prepare material and determine location and target audience in Year 1. Begin events / workshops in Year 2 and continual annually. Minimum one event / workshop per year.
6. Education display / booth at public event to improve public understanding of issues related to water quality	Maintain records of events attended and include in the annual reports.	Prepare material and determine location and target audience in Year 1. Begin in Year 2 and continual annually. Minimum education display / booth per year.
7. Coalition Meetings	Maintain records of meetings and attendees. Include in the annual report.	Host two meetings per year and post notice on webpage. Years 1 – 5.

## **Minimum Control Measure 3**

### **(a) Illicit Discharge Detention and Elimination (IDDE)**

#### **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 on the webpage and the office of Huitt-Zollars, Inc.
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.
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.
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.
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.
    - 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.
  - 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).
  - 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.
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 increased levels of E. Coli are believed to be 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; Rising ground waters and springs;
- E. Uncontaminated ground water infiltration; Uncontaminated pumped ground water;
- F. Foundation and footing drains; Air conditioning condensation; Water from crawl space pumps; Individual residential vehicle washing;
- G. Flows from wetlands and riparian habitats;
- H. Dechlorinated swimming pool discharges that do not violate Surface Water Quality Standards;
- I. Street wash water excluding street sweeper waste water;
- J. 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);
- K. Other allowable non-storm water discharges listed in 40 CFR § 122.26(d)(2)(iv)(B)(1);
- L. 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;
- M. Discharges that are authorized by a TPDES or NPDES permit or that are not required to be permitted; and
- N. Other similar occasional incidental non-storm water discharges such as spraypark water, unless the TCEQ develops permits or regulations addressing these discharges.

## Illicit Discharge Detection and Elimination (IDDE) BMPs

<b>BMP</b>	<b>Records to be Maintained and Summarized in Annual Reports</b>	<b>Measurable Goals</b>
8. Maintain a current and accurate MS4 map	Review and update, as necessary, at least one time annually to include features which have been added, removed, or changed.	Conduct one review of the map per year.
9. Conduct training for all the permittee's field staff	Number of field personnel attending training.	Conduct one training session per year.
10. Maintain and publicize a public reporting method for the public to report illicit discharges, illegal dumping, or water quality impacts associated with discharges into or from the small MS4	Document number of flyers distributed each year.	Include the hotline or email on the flyers / brochures and distribute them twice per year.

11. Develop and maintain procedures for responding to illicit discharges, illegal dumping, and spills.	Review procedures and update at Coalition meetings.	Review and update the procedures at least once annually to address changes and make improvements to the established procedures where applicable.
12. Source investigation and elimination of illicit discharges and illegal dumping.	Document all illegal dumpings, illicit discharges, sanitary sewer discharges.	Respond to 100% of known illicit discharges and illegal dumping incidents, respond to 100% of high priority discharges, such as sanitary sewer discharges within 24 hours. For 100% of known illicit discharges or illegal dumping incidents where the small MS4 does not have jurisdiction, notify the TCEQ regional office. Notify TCEQ immediately of 100% of illicit flows believed to be an immediate threat to human health or the environment throughout the permit term.
13. Corrective action to eliminate illicit discharges and illegal.	Document all illegal dumpings, illicit discharges, sanitary sewer discharges.	For 100% of illicit discharges or illegal dumping where a source has been determined, notify the responsible party of the problem within 24 hours. Require the responsible party to perform all necessary corrective actions to eliminate the illicit discharge.
14. Inspection Procedures.	Review procedures and update at Coalition meetings.	Review and update the procedures at least one time annually to address changes and make improvements to the established inspection procedures where applicable.
15. Inspections in response to complaints.	Document all inspections completed.	Conduct inspections in response to 100% of complaints each year. Conduct follow up inspections in 100% of cases each year where necessary.

## **Minimum Control Measure 4**

### **(a) Construction Site Stormwater Runoff Control**

The Construction Site Stormwater Runoff Control 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 (SWPPP) including adequate sediment and erosion controls.

The SWPPP 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 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:**

**SWMP Review:** Each coalition member shall review the Storm Water Management Plant annually and recommend any proposed changes to the plan.

**Construction SWPPP Review and Permit Compliance:** Implement a construction SWPPP review and compliance program that focuses on compliance with the local storm water permit requirements. The individual plans that are submitted must including the following:

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

**Construction Site Inspection:** Conduct inspections of construction sites and related SWPPPs for compliance with the local storm water permit requirements.

**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.

**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.

### **Construction Site Stormwater Runoff Control BMPs**

BMP	Records to be Maintained and Summarized in Annual Reports	Measurable Goals
16. Develop and maintain an ordinance or rate order.	Document when the rate order / ordinance was reviewed and any updates.	Review and update the ordinance or rate order at least one time during the permit term to address changes and make improvements to the ordinance where applicable.
17. Prohibit discharges: washout of concrete, water well drilling operations (unless managed by an appropriate control), washout and cleanout of stucco / paint; fuel / oils used in vehicle maintenance and operation; soaps / solvents used on vehicle and equipment washing; discharge from dewatering of trenches and excavations (unless managed by appropriate BMPs)	Document when the rate order / ordinance was reviewed and any updates.	Develop and maintain an ordinance or rate order to prohibit these discharges. Review and update the ordinance or rate order mechanism at least one time during the permit term to address changes and make improvements to the ordinance where applicable.
18. Maintain and implement site plan review procedures.	Document when the procedures were reviewed and any updates. Document any site plans that were reviewed and approved.	Review and update site plan review procedures at least one time annually to address changes and make improvements to the established procedures where applicable. Implement site plan review procedures for 100% of new construction site plans received each year.
19. Implement procedures for inspecting large and small construction projects.	Document when the procedures were reviewed and any updates.	Review and update inspection procedures at least one time annually to address changes and make improvements to the established procedures where applicable.
20. Conduct construction site inspections.	Document any inspections that were completed.	Conduct inspections of active construction sites annually.

21. Develop, implement, and maintain procedures for receipt and consideration of information submitted by the public.	Maintain hotline or email address to receive information from the public.	Review and update procedures for the receipt and consideration of information submitted by the public at least one time annually to address changes and make improvements to the established procedures where applicable. Maintain one webpage, hotline, or similar method for receipt of information submitted by the public throughout the permit term.
22. Conduct training for all the MS4 staff whose primary job duties are related to implementing the construction stormwater.	Number of field personnel attending training.	Conduct a minimum of one training annually for 100% of MS4 staff whose primary job duties are related to implementing the construction stormwater program.

## **Minimum Control Measure 5**

### **(a) Post-Construction Stormwater Management Program**

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.

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.

Control measures selected will be inspected to ensure adequate long term maintenance of structural controls.

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:**

**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.

**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.

**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.

**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.

### **Post Construction Stormwater Management BMPs**

BMP	Records to be Maintained and Summarized in Annual Reports	Measurable Goals
23. Develop and maintain an ordinance or rate order to address storm water runoff (permanent storm water quality features)	Document when the rate order / ordinance was reviewed and any updates.	Review and update the ordinance or rate order at least one time during the permit term to address changes and make improvements to the ordinance where applicable.
24. Document and maintain records of enforcement actions and make them available for review by the TCEQ.	Provide list of enforcement records.	Maintain records of 100% of enforcement actions taken each year. Make 100% of enforcement records available to TCEQ for review within 24 hours of request. Yes
25. Ensure the long term operation and maintenance of structural stormwater control measures installed.	Provide available copies of the maintenance plan and maintenance performed.	Each year, require 100% of the owners or operators of any new development or redeveloped sites to develop and implement a maintenance plan addressing maintenance requirement for any structural control measures installed on site. Require the site owner or operators to maintain documentation, such as a tracking log, onsite of 100% of the maintenance performed and made available for review by the small MS4 operator or TCEQ within 24 hours of the request.

## **Minimum Control Measure 6**

### **(a) Pollution Prevention and 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. 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. 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.

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. The pollutants of concern from the maintenance activities include pesticides/herbicides for channel maintenance and trash/road debris during roadway maintenance activities.

### **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 evaluate / develop / implement 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. Coalition members will perform maintenance annually on structural storm water quality controls that are owned by the Coalition members and document.

### **Pollution Prevention and Good Housekeeping for Municipal Operation BMPs**

<b>BMP</b>	<b>Records to be Maintained and Summarized in Annual Reports</b>	<b>Measurable Goals</b>
26. Permittee-owned Facilities and Control Inventory as described above under Item (a).	Keep records on the number of facilities owned and operated by Coalition members	Develop and maintain an annual inventory for 100% of the Coalition member owned and operated facilities and controls. Review and update the inventory at least one time annually to address changes or additions to the facilities and controls where applicable.
27. Training and Education.	Number of field personnel attending training.	Conduct a minimum of one training annually for 100% of employees involved in implementing pollution prevention and good housekeeping practices.
28. Disposal of Waste Material.	Documentation regarding the disposal procedures for collected dredge spoil, accumulated sediments and floatables.	Ensure that 100% of waste from the Coalition member is disposed of in accordance with 30 TAC Chapters 330 or 335, as applicable each year.

29. Coalition Contractor Requirements and Oversight.	The number of construction projects, number of inspection of each site and certificate from Coalition member stating that SWMP was followed.	Each year, ensure that 100% of contractors hired by the Coalition member to perform maintenance activities on permittee-owned facilities is contractually required to comply with all of the stormwater control measures, good housekeeping practices, and facility-specific stormwater management operating procedures. Implement oversight procedures of contractor activities in 100% of contracts to ensure that contractors are using appropriate control measures and SOPs each year. Oversight procedures must be maintained on-site 100% of the time and made available for review by TCEQ within 24 hours of request.
30. Assessment of permittee-owned operations.	Document projects: road / parking lot maintenance, pothole repair, pavement marking, sealing, re-paving, bridge maintenance, cold weather operations, de-icing and anti-icing compounds, mowing, herbicide use, and pesticide use.	Evaluate 100% of operation and maintenance activities, in conjunction with procedure reviews if appropriate, for their potential to discharge pollutants in stormwater annually.
31. Identify pollutants of concern.	Document any pollutants that are discharged.	Identify pollutants of concern that could be discharged from all of the operation and maintenance activities described in BMP 30. Maintain a list of 100% of the pollutants identified. Including for example, metals; chlorides; hydrocarbons such as benzene, toluene, ethyl benzene, and xylenes; sediment; and trash. Review and update the pollutants of concern list at least one time annually to address changes or additions to the operation and maintenance activities where applicable.
32. Pollution Prevention Measures.	Document any changes to the pollution prevention measures.	Develop and implement a set of pollution prevention measures that will reduce the discharge of pollutants in stormwater from the permittee-owned operations.  Replacing at least 50% of the Coalition member's materials and chemicals with more environmentally friendly materials or methods by the end of the permit term.  Track 100% of the application of de-icing and anti-icing compounds in the Coalition member's area and record the amount of compound used for each application annually.

33. Inspection of Pollution Prevention.	Document the inspections that are completed.	At least one time annually, visually inspect 100% of pollution prevention measures implemented at permittee-owned facilities to ensure they are working properly. Develop and maintain written procedures that describe the frequency of inspections and how they will be conducted. Review and update the inspection procedures at least one time annually to address changes or additions to the pollution prevention measures. Maintain a log of 100% of the inspections conducted annually and make the log available for review by the TCEQ within 24 hours of a request.
34. Structural Control Maintenance.	Document the maintenance that is completed.	At least one time annually, perform maintenance of 100% of the structural controls which require maintenance. Maintenance must follow a plan and schedule developed by the Coalition member operator to be consistent with maintaining the effectiveness of the BMP. The permittee shall develop and maintain written procedures that define the frequency of inspections and how they will be conducted. Review and update the maintenance procedures at least one time annually to address changes or additions to the pollution prevention measures.

## **Impaired Water Bodies and Total Maximum Daily Load (TMDL) Requirements**

Permit Requirements Discharges of the pollutant(s) of concern to impaired water bodies for which there is a TCEQ and EPA approved TMDL are not eligible for this general permit unless they are consistent with the approved TMDL. A water body is impaired for purposes of the permit if it has been identified, pursuant to the latest TCEQ and EPA approved CWA 303(d) list or the Texas Integrated Report of Surface Water Quality for CWA Sections 305(b) and 303(d) which lists the category 4 and 5 water bodies, as not meeting Texas Surface Water Quality Standards. The coalition shall check annually, in conjunction with preparation of the annual report, whether an impaired water within its permitted area has been added to the latest EPA approved 303(d) list or the Texas Integrated Report of Surface Water Quality for CWA Sections 305(b) and 303(d) which lists the category 4 and 5 water bodies. Within two years following the approval date of the new list(s) of impaired waters, the permittee shall comply with the requirements of Part III.B (with the exception of 1(c.)) and shall identify any newly listed waters in the annual report (consistent with Part V.B.2.f) and SWMP (consistent with Part IV.C.2.f). The coalition shall also determine whether the permitted discharge is directly to one or more water quality impaired water bodies where a TMDL has not yet been approved by TCEQ and EPA. If the permittee discharges directly into an impaired water body without an approved TMDL, the permittee shall perform the following activities: (Activities listed in Part III, Section B of TXR040000).

Program Overview: The Coalition has conducted an assessment of the applicable stream segments and identified impaired water bodies that receive MS4 discharges from their urbanized areas. The Coalition does not believe that the discharges from their MS4s are significant source of the pollutants of concern. Focused BMPs have been developed for discharges to impaired water bodies without an approved TMDL, along with targeted control measures for discharges to water bodies with an approved TMDL. The targeted controls include activities related to sanitary sewer systems, on-site sewer facilities, illicit discharges, illegal dumping, animal sources, and residential education programs. The permittees will conduct an annual review to determine if any water bodies within the regulated area have been added to the EPA 303(d) list or the Texas Integrated Report of Surface Water Quality for CWA Sections 305(b) and 303(d). If during the course of the permit term a TMDL is developed and approved for a stream segment that did not have an existing TMDL, or a water body is listed as impaired, the applicable Coalition entities will begin implementation of the appropriate BMPs listed in this section. Members of the coalition discharge to two stream segments currently included on the impaired list. These sections are as follows:

Spring Creek (Segment 1008) with an approved TMDL for Bacteria of with a Waste Load Allocation for Stormwater of 146 Billion MPN/day

West Fork San Jacinto River (Segment 1004) with an approved TMDL for Bacteria of with a Waste Load Allocation for Stormwater of 196.81 Billion MPN/day

### **Best Management Practices and Measurable Goals**

- A. TMDL I-Plans – Comply with existing implementation plans for discharges to impaired water bodies for which there is a TCEQ and EPA approved TMDL.
- B. Provide educational material to residents to educate the public on what a sanitary sewer overflow is and how to report.
- C. Conduct periodic inspections of storm sewer outfalls to look for indications of illicit discharges.
- D. Provide educational material to residents to pick up animal waste and properly dispose.
- E. Provide educational material to residents to properly dispose of fats, oils and grease.

<b>BMP</b>	<b>Records to be Maintained and Summarized in Annual Reports</b>	<b>Measurable Goals</b>
1. TMDL I-Plans	TMDL I-Plan compliance evaluation	Conduct TMDL I-Plan compliance evaluation once per permit term.
2. Sanitary Sewer Overflow Education	Number of reports received regarding storm water quality issues	Develop and distribute one type of education material to help facilitate public reporting of storm water quality issues.
3. Outfall Inspections	Outfall screening data for each inspection conducted. Data will include at a minimum: date of inspection, location of outfall, and details concerning any identified discharges	Inspect 20% of the outfalls within the coalition area annually.
4. Pet Waste Management	Number of materials developed and/or distributed	Develop and distribute at least 1 type of media/materials per year to promote the proper disposal of pet waste.