

Brazoria County Storm Water Quality Coalition

Storm Water Management Program

As Required By the:

TPDES Phase II MS4 General Permit No. TXR040000

- Brazoria County
- City of Lake Jackson
- City of Freeport
- City of Clute
- City of Richwood
- City of Angleton
- City of Alvin
- Velasco Drainage District
- Angleton Drainage District
- Brazoria County C & R District No. 3
- Brazoria Drainage District No. 4

**Brazoria County Storm Water Quality Coalition
Engineering Department
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Brazoria County Storm Water Quality Coalition Small Municipal Separate Storm Sewer System Storm Water Management Program

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1: Public Education and Outreach on Storm Water Impacts

1.A. Permit Requirements :

a) A public education program must be developed and implemented to distribute educational materials to the community or conduct equivalent outreach activities that will be used to inform the public. The MS4 operator may determine the most appropriate sections of the population at which to direct the program. The MS4 operator must consider the following groups and the SWMP shall provide justification for any listed group that is not included in the program:

- (1) residents
- (2) visitors
- (3) public service employees
- (4) businesses
- (5) commercial and industrial facilities
- (6) construction site personnel

The outreach must inform the public about the impacts that pollution that storm water run-off can have on water quality, hazards associated with illegal discharges and improper disposal of waste, and steps that they can take to reduce pollutants in storm water runoff.

b) 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 to address each group. This documentation shall be retained in the annual reports required in Part IV.B.2 of this general permit.

1.B. Program Overview:

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. (Part III.A.1.(a))

The Brazoria County Storm Water Quality Coalition has considered the target audiences required by the permit and will distribute information to the following audiences: (Part III.A.1.(a))

- residents
- visitors
- public service employees (Brazoria County Storm Water Quality Coalition Employees)
- businesses
- commercial and industrial facilities
- construction site personnel

The Coalition plans to implement several education methods concerning improper disposal of waste and ways to minimize improper waste disposal impacts on storm water quality. (Part III.A.1.(a))

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.(b))

1.C. Best Management Practices and Measurable Goals:

- A. 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.
- B. Impacts of Illegal Dumping and Littering:** Incorporate information about impacts of illegal dumping and littering into flyers and brochures and the storm water website.
- C. Distribute Materials to Local Schools:** Continued distribution of educational materials to school age children in order to foster an early age respect for water quality.
- D. 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.
- E. Public Service Announcements:** Provide local media with PSA's on the impacts of storm water pollution and steps that could reduce storm water pollution.
- F. Storm Drain Marking:** Paint or epoxy storm drain markers on permanent storm water inlets in new developments.
- G. Tax Bill Messages/Direct Mailing:** Distribute educational material to residents via utility bill messages or direct mailing. Include storm water education in general per the TCEQ general permit guidelines. Messages will also include information specifically relating to fertilizers, herbicide and pesticide usage, proper disposal of household hazardous waste and oils, and other educational and participatory opportunities.
- H. Multi-Jurisdiction Storm Water Website:** Develop a storm water website. The website will include storm water education per the TCEQ general permit guidelines. The website will also provide specific information regarding the NPDES Phase II program, educational and participatory opportunities, and links to other local, state and national storm water websites.

BMP Measurable Goals & Recordkeeping

BMP	Records to be Maintained and Summarized in Annual Reports	Measurable Goals
Flyers and Brochures	Estimated quantities of materials distributed or posted	Distribute or post at least 2 types of available brochures per year (years 4 & 5)
Impacts of Illegal Dumping and Littering	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 3,4,5)
Distribute Materials to Local Schools	The identities of the targeted schools and the estimated quantities of education materials distributed.	Ensure at least 1 type of material is distributed annually to the local schools (years 3,4,5)

Education of Construction Site Personnel	Estimated quantities of educational materials or guidance documents distributed	Make available to construction site personnel at least 1 guidance on construction site runoff issues each year (years 2,3,4,5)
Public Service Announcements	Number of different PSA's being aired by local media	Provide at least 1 PSA to be aired by the local media whenever possible at least once per permit term (years 4,5)
Storm Drain Marking	Number of storm drains marked	Mark approximately 100% of permanent drains by the end of the permit term. (year 5)
Tax Bill Messages/Direct Mailing	Estimated number of tax bill messages/direct mailings distributed.	Distribute one tax bill message/direct mailing per year. (years 2,3,4,5)
Multi-Jurisdiction Storm Water Website	The number of website updates and estimated number of hits.	Update website at least once per permit term. (years 3,4,5)

1.D. BMP Implementation Schedule & Responsible Party

BMP	Ang. D.D.	V. D.D.	Ang.	Rwd.	B Co C&R No. 3	B. DD4	Clt.	L. Jsn.	Alv.	Fpt.	B. Cnty	Full Implementation by End of
Flyers and Brochures	√	√	√	√	√	√	√	√	√	√	√	Year 4
Impacts of Illegal Dumping and Littering		√	√	√			√	√	√	√	√	Year 3
Distribute Materials to Local Schools		√	√	√			√	√	√	√		Year 3
Education of Construction Site Personnel	√	√	√	√	√	√	√	√	√	√	√	Year 2
Public Service Announcements	√	√	√	√	√	√	√	√	√	√	√	Year 4
Storm Drain Marking			√	√			√	√	√	√	√	Year 5
Tax Bill Messages/Direct Mailing	√	√	√	√	√	√	√	√	√	√	√	Year 2
Multi-Jurisdiction Storm Water Website		√	√	√	√	√	√	√	√	√	√	Year 3

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2: Public Involvement / Participation

2.A. Permit Requirements:

The MS4 operator must, at a minimum, comply with any state and local public notice requirements when implementing a public involvement/participation program. It is recommended that the program include provisions to allow all members of the public within the small MS4 the opportunity to participate in SWMP development and implementation. Correctional facilities will not be required to implement this MCM.

2.B. Program Overview:

The Public Involvement/Participation minimum measure consists of Best Management Practices (BMPs) that focus on involving the local public 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.

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

2.C. Best Management Practices and Measurable Goals

- A. SWMP Committee:** Formation of a committee on SWMP program development and implementation
- B. Conduct Public Meetings:** Conduct public meetings to allow citizens to participate in the information dissemination of storm water information
- C. Storm Water Hotline:** Develop and advertise a dedicated storm water hotline to solicit information related to illicit discharges and illegal dumping, complaints, and general comments regarding the storm water management program.
- D. City-Wide Cleanup:** Conduct a city-wide cleanup in which citizen coordination is provided for trash removal, thus preventing trash from reaching the storm water system. Advertise the event through other BMPs (website, hotline, cable TV).

BMP Measurable Goals & Recordkeeping

BMP	Records to be Maintained and Summarized in Annual Reports	Measurable Goals
SWMP Committee	The names of committee members and the number of committee meetings held	Invite local groups to participate at least once per permit term (years 4, 5)
Conduct Public Meetings	The number of public meetings held and associated sign in sheets	Invite local group to attend public meetings and perform public meetings at least once per permit term (years 4, 5)
Storm Water Hotline	The estimated number of calls received	Receive and consider each storm water call. (years 3,4,5)
City-wide Cleanup	The estimated volume of litter collected	Conduct 1 city-wide clean-up per year (years 2,3,4,5)

2.D. BMP Implementation Schedule & Responsible Party

BMP	Ang. D.D.	V. D.D.	Ang.	Rwd.	B Co C&R No. 3	B. DD4	Clt.	L. Jsn.	Alv.	Fpt.	B. Cnty	Full Implementation by End of
SWMP Committee	√	√	√	√	√	√	√	√	√	√	√	Year 4
Conduct Public Meetings	√	√	√	√	√	√	√	√	√	√	√	Year 4
Storm Water Hotline	√	√	√	√	√	√	√	√	√	√	√	Year 3
City-Wide Cleanup		√	√	√			√	√	√	√		Year 2

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3: Illicit Discharge Detection and Elimination

3.A. Permit Requirements:

(a) Illicit Discharges

A section within the SWMP must be developed to establish a program to detect and eliminate illicit discharges to the small MS4. The SWMP must include the manner and process to be used to effectively prohibit illicit discharges. To the extent allowable under state and local law, an ordinance or other regulatory mechanism must be utilized to prohibit and eliminate illicit discharges. Elements must include:

(1) Detection – the SWMP must list the techniques used for detecting illicit discharges.

(2) Elimination – the SWMP must include appropriate actions and, to the extent allowable under State and local law, establish enforcement procedures for removing the source of an illicit discharge.

(b) Allowable Non-Storm Water Discharges

Non-storm water flows listed in Part II.B and Part VI.B. do not need to be considered by the MS4 operator as an illicit discharge requiring elimination unless the operator of the small MS4 or the executive director identifies the flow as a significant source of pollutants to the small MS4. In lieu of considering non-storm water sources on a case-by case basis, the MS4 operator may develop a list of common and incidental non-storm water discharges that will not be addressed as illicit discharges requiring elimination. If developed, the listed sources must not be reasonably expected to be significant sources of pollutants either because of the nature of the discharge or the conditions that are established by the MS4 operator prior to accepting the discharge to the small MS4. If this list is developed, then all local controls and conditions established for these listed discharges must be described in the SWMP and any changes to the SWMP must be included in the annual report described in Part IV.B.2 of this general permit, and must meet the requirements of Part II.D.3 of the general permit.

(c) Storm Sewer Map

(1) A map of the storm sewer system must be developed and must include the following:

- (i) the location of all outfalls;
- (ii) the names and locations of all waters of the U.S. that receive discharges from the outfalls;
- (iii) any additional information needed by the permittee to implement its SWMP.

(2) The SWMP must include the source of information used to develop the storm sewer map, including how the outfalls are verified and how the map will be regularly updated.

3.B. Program Overview:

The Illicit Discharge Detection and Elimination minimum measure consists of Best Management Practices (BMPs) that focus on the detection and elimination of illicit discharges into the MS4.

The Coalition will develop local illicit discharge regulations, establishing the legal authority necessary to prohibit illicit discharges (unallowable non-storm water discharges) to the permitted storm sewer system.

The Coalition will develop a storm sewer map containing the storm water outfalls within the MS4 specifically describing the location of the outfalls and the names and locations of all receiving streams.

The following non-storm water discharges will not be addressed in the MS4's Illicit Discharge Detection and Elimination program:

- a) water line flushing
- 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
- d) diverted stream flows
- e) rising ground waters and springs
- f) uncontaminated ground water infiltration
- g) uncontaminated pumped ground water
- h) foundation and/or footing drains
- i) air conditioning condensation
- j) water from crawl space pumps
- k) individual residential and charity vehicle washing
- l) flows from wetlands and riparian habitats
- m) dechlorinated swimming pool discharges
- n) street wash water
- o) discharges of flows from fire fighting activities (fire fighting activities do not include washing of trucks, runoff water from training activities, test water from fire suppression systems, and similar activities)
- p) other similar occasional incidental non-storm water discharges, unless the TCEQ develops permits or regulations addressing these changes.
- q) fire training activities that do not involve pollutants

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

3.C. Best Management Practices and Measurable Goals:

- A. Maintain and update the MS4 Outfall Inventory Map:** Develop and maintain an updated map of the MS4 indicating the location of storm water discharge outfalls and waters of the U.S.
- B. MS4 Outfall Inspection (Dry Weather Inspection):** Conduct dry weather inspections of all outfalls in the MS4 (once per permit term) in order to identify and eliminate the presence of illicit discharges to the MS4.
- C. Local Illicit Discharge Regulations:** Develop and enforce local illicit discharge regulations prohibiting illicit non-storm water discharges to be discharged into the Coalition's MS4

BMP Measurable Goals & Recordkeeping

BMP	Records to be Maintained and Summarized in Annual Reports	Measurable Goals
Maintain and update the MS4 Outfall Inventory Map	By the third year, update the map with new drainage structures and outfalls as needed	Conduct 1 review of the map per permit term. (years 4,5)
MS4 Outfall Inspection (Dry Weather Inspection of Outfalls)	Outfall inspections and investigations for each outfall	Inspect 100% of the outfalls once per permit term. (25% per year) (years 2,3,4,5)
Local Illicit Discharge Regulations	The number of enforcement actions issued based on the local illicit discharge regulations.	Enforce the local illicit discharge regulations as needed. (years 3,4,5)

3.D. BMP Implementation Schedule & Responsible Party

BMP	Ang. D.D.	V. D.D.	Ang.	Rwd.	B Co C&R No. 3	B. DD4	Cl.	L. Jsn.	Alv.	Fpt.	B. Cnty	Full Implementation by End of
Maintain and update the MS4 Outfall Inventory Map	√	√	√	√	√	√	√	√	√	√	√	Year 4
MS4 Outfall Inspection (Dry Weather Inspection of Outfalls)	√	√	√	√	√	√	√	√	√	√	√	Year 2
Local Illicit Discharge Regulations	√	√	√	√	√	√	√	√	√	√	√	Year 3

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4: Construction Site Storm Water Runoff Control

4.A. Permit Requirements:

The MS4 operator, to the extent allowable under State and local law, must develop, implement, and enforce a program to reduce pollutants in any storm water runoff to the MS4 from construction activities that result in land disturbance of greater than or equal to one acre or if that construction activity is part of a larger common plan of development or sale that would disturb one acre or more of land. The MS4 operator is not required to develop, implement, and/or enforce a program to reduce pollutant discharges from sites where the construction site operator has obtained a waiver from permit requirements under NPDES or TPDES construction permitting requirements based on a low potential for erosion.

(a) The program must include the development and implementation of, at a minimum, an ordinance or other regulatory mechanism to require erosion and sediment controls, as well as sanctions to ensure compliance, to the extent allowable under state and local law.

(b) Requirements for construction site contractors to, at a minimum:

- (1) implement appropriate erosion and sediment control BMPs; and
- (2) 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

(c) The MS4 operator must develop procedures for:

- (1) site plan review which incorporate consideration of potential water quality impacts;
- (2) receipt and consideration of information submitted by the public; and
- (3) site inspection and enforcement of control measures to the extent allowable under state and local law.

4.B. Program Overview:

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 in accordance with the TCEQ Construction General Permit.

The Coalition will develop local construction regulations, 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.

4.C. Best Management Practices and Measurable Goals:

- A. Construction SWP3 Review and Permit Compliance:** Implement a construction SWP3 review and compliance program that focuses on compliance with the local construction regulations
- B. Construction Site Inspection:** Conduct inspections of construction sites and related SWP3s for compliance with the local construction regulations.
- C. Local Construction Regulations:** Develop and enforce ordinance or other regulatory mechanism 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.
- D. Construction Site Notice Posting:** Post an appropriate site notice or NOI in a publicly accessible location for each Coalition construction project subject to the TCEQ Construction General Permit.

BMP Measurable Goals & Recordkeeping

BMP	Records to be Maintained and Summarized in Annual Reports	Measurable Goals
Construction SWP3 Review and Permit Compliance	The number of plans reviewed and approved for construction under this program	Review construction plans 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 construction regulations on an as needed basis (years 3,4,5)
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 construction regulations (years 3,4,5)
Local Construction Regulations	The number of enforcement actions issued based on the local construction regulations	Enforce the local construction regulations as needed. (years 3,4,5)
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 construction site subject to the TCEQ Construction General Permit (years 3,4,5)

4.D. BMP Implementation Schedule & Responsible Party

BMP	Ang. D.D.	V. D.D.	Ang.	Rwd.	B Co C&R No. 3	B. DD4	Clt.	L. Jsn.	Alv.	Fpt.	B. Cnty	Full Implementation by End of
Construction SWP3 Review and Permit Compliance		√	√	√			√	√	√	√	√	Year 3
Construction Site Inspection			√	√			√	√	√	√	√	Year 3
Local Construction Regulations	√	√	√	√	√	√	√	√	√	√	√	Year 3
Construction Site Notice Posting	√	√	√	√	√	√	√	√	√	√	√	Year 3

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

5.A. Permit Requirements:

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 of land, 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) Develop and implement strategies which include a combination of structural and/or non-structural BMPs appropriate for your 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.

5.B. Program Overview:

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 develop and enforce local post-construction site runoff regulations 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.

5.C. Best Management Practices and Measurable Goals:

- 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. Local Post Construction Site Runoff Regulations:** Develop and enforce an ordinance or other regulatory mechanism to address post-construction runoff from new development and redevelopment projects that disturb greater than or equal to 1 acre or are part of a common plan of development resulting in greater than or equal to 1 acre of land disturbance.

BMP Measurable Goals & Recordkeeping

BMP	Records to be Maintained and Summarized in Annual Reports	Measurable Goals
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 3,4,5)
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 (years 3,4,5)
Local Post Construction Site Runoff Regulations	The number of enforcement actions issued based on the local post construction site runoff regulations	Enforce the local post construction site runoff regulations as needed (years 3,4,5)

5.D. BMP Implementation Schedule & Responsible Party

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Development Project Plan Review	√	√	√	√	√	√	√	√	√	√	√	Year 3
Inspection of Post Construction Control Measures	√	√	√	√	√	√	√	√	√	√	√	Year 3
Local Post Construction Site Runoff Regulations	√	√	√	√	√	√	√	√	√	√	√	Year 3

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6: Pollution Prevention/Good Housekeeping for Municipal Operations

6.A. Permit Requirements:

A section within the SWMP must be developed to establish an operation and maintenance program, including an employee training component, that has the ultimate goal of preventing or reducing pollutant runoff from municipal operations.

(a) Good Housekeeping and Best Management Practices

Housekeeping measures and BMPs (which may include new or existing structural and/or non-structural controls) must be identified and either continued or implemented with the goal of preventing or reducing pollutant runoff from municipal operations. Examples of municipal operations and municipally owned areas include, but are not limited to:

- (1) park and open space maintenance;
- (2) street, road, or highway maintenance;
- (3) fleet and building maintenance;
- (4) storm water system maintenance;
- (5) new construction and land disturbances;
- (6) municipal parking lots;
- (7) vehicle and equipment maintenance and storage yards;
- (8) waste transfer stations; and
- (9) salt/sand storage locations

(b) Training

A training program must be developed for all employees responsible for municipal operations subject to the pollution prevention/good housekeeping program. The training program must include training materials directed at preventing and reducing storm water pollution from municipal operations. Materials may be developed or obtained from EPA, states, or other organizations and sources. Examples or descriptions of training materials being used must be included in the SWMP.

(c) Structural Control Maintenance

If BMPs include structural controls, maintenance of the controls must be performed at a frequency determined by the MS4 operator and consistent with maintaining the effectiveness of the BMP. The SWMP must list all of the following:

- (1) maintenance activities;
- (2) maintenance schedules; and
- (3) long-term inspection procedures for controls used to reduce floatables and other pollutants.

(d) Disposal of Waste

Waste removed from the small MS4 and waste that is collected as a result of maintenance of storm water structural controls must be properly disposed. A section within the SWMP must be developed to include procedures for the proper disposal of waste, including:

- (1) dredge spoil;
- (2) accumulated sediments; and
- (3) floatables

(e) Municipal Operations and Industrial Activities

The SWMP must include a list of all:

- (1) municipal operations that are subject to the operation, maintenance, or training program developed under the conditions of this section; and
- (2) municipally owned or operated industrial activities that are subject to TPDES storm water regulations.

6.B. Program Overview:

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 plans to implement good housekeeping measures and non-structural BMPs that reduce the discharge of pollutants from the following municipal operations.

- street, road or highway maintenance-(Alv, Fpt, B. Cnty, Rwd, Clt, L. Jsn, Ang)
- fleet and building maintenance-(Alv, Fpt, B. Cnty, Rwd, Clt, L. Jsn, B Co C&R3, BDD4)
- storm sewer system maint.-(Alv, Fpt, B. Cnty, VDD, Rwd, Clt, L. Jsn, Ang, Ang DD, B Co C&R3, BDD4)
- new const. & land disturbances-(Alv, Fpt, B. Cnty, VDD, Rwd, Clt, L. Jsn, Ang, Ang DD, BCoC&R3, BDD4)
- municipal parking lots-(Alv, Fpt, B. Cnty, Rwd, Clt, L. Jsn, Ang, BCoC&R3, BDD4)
- vehicle/equip maint/storage yard-(Alv, Fpt, B.Cnty, VDD, Rwd, Clt, L. Jsn, Ang, Ang DD, BCoC&R3, BDD4)
- salt/sand storage locations-(Alv, B. Cnty, Rwd, L. Jsn, Ang)
- park and open space maintenance-(Alv, Fpt, B. Cnty, VDD, Rwd, Clt, L. Jsn, Ang, BDD4)

Within the permitted boundary, the urbanized area, the Coalition does not operate or maintain the following municipal operations.

- waste transfer stations

All Coalition employees responsible for municipal operations will attend training programs that focus on procedures for reducing the discharge or pollutants from municipal operations.

The Coalition will inspect structural control measures to ensure adequate long term maintenance.

Dredge spoils, accumulated sediment and floatables removed from the MS4 will be stockpiled or disposed of in a local landfill as necessary.

Facilities owned and operated by the Coalition that are subject the TCEQs Storm Water Multi-Sector General Permit (MSGP) are permitted accordingly.

The following Coalition owned and operated facilities are permitted:

- Waste Water Treatment Plant

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 and measurable goals.

6.C. Best Management Practices and Measurable Goals:

- A. Litter/Garbage Collection:** Conduct garbage and/or litter collection in order to reduce floatable material discharges to storm water.
- B. Pesticide and Herbicide Application:** Ensure appropriate employees maintain the applicable licenses and training for the proper use of pesticide and herbicide product
- C. Maintenance of Roadways and Park Areas:** Develop Pollution Prevention Plans (P3s) or Storm Water Pollution Prevention Plans (SWP3s) for City maintenance activities requiring formal plans and specifications.
- D. Vehicle and Equipment Maintenance:** Conduct routine maintenance of permittee owned vehicles according to manufacturer's specifications.
- E. Spill Prevention Plans:** Comply with federal Spill Prevention Control and Countermeasures (SPCC) plan regulations (40 CFR 112).
- F. Employee Training Program:** Develop a training program to target all employees responsible for City operations subject to the prevention/good housekeeping program.
- G. Disposal of Waste:** Waste materials that are removed as a result of maintenance activities will be stockpiled or disposed of properly; such as such as floatables, dredge spoils, and or accumulated sediments.
- H. Maintenance Office and Stockpile Material Storage Areas:** Develop and implement pollution prevention plans (P3s) for City maintenance facilities and material storage areas within the City Limits.
- I. Storm Sewer Maintenance:** Develop and implement a program to routinely inspect and maintain catch basins, ditches and other structural controls.
- J. Maintain Municipally Owned Construction Sites:** Conduct maintenance activities necessary to properly maintain erosion and sediment controls at municipally owned construction sites based on needs identified during construction site inspections.
- K. Municipal Parking Lots:** Inspect and maintain municipal parking lots.
- L. Roadway Deicing Procedures:** Develop and implement procedures for use and removal of deicing materials on roadways.
- M. Municipally Owned Industrial Facilities:** Comply with the TCEQ multi-sector general permit for municipally owned industrial facilities that are eligible for permit coverage.

BMP Measurable Goals & Recordkeeping

BMP	Records to be Maintained and Summarized in Annual Reports	Measurable Goals
Litter/Garbage Collection	The estimated volumes of litter/garbage removed	Collect litter/garbage at least once per year for each identified area included in the program (years 3,4,5)

Pesticide and Herbicide Application	The appropriate licensing for City personnel responsible for the applications	Maintain at least 1 licensed applicator if herbicide or pesticide is to be applied (years 2,3,4,5)
Maintenance of Roadways and Park Areas	Maintenance projects and the number of SWP3s developed and implemented	Implement a P3 or SWP3 on City maintenance projects requiring formal plans and specifications (years 2,3,4,5)
Vehicle and Equipment Maintenance	The number of vehicles to be maintained	Perform inspections and maintenance activities as indicated by manufacturer's specifications (years 4, 5)
Spill Prevention Plans	The number of facilities with Spill Prevention Control and Countermeasure (SPCC) plans and the current status of each SPCC plan	Maintain SPCC plans for permittee owned facilities requiring SPCC plans (years 3,4,5)
Employee Training Program	The number of employees trained	Conduct at least one training program per permit term (years 3,4,5)
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 2,3,4,5)
Maintenance Office and Stockpile Material Storage Areas	The number of pollution prevention plans developed and associated inspection records	Conduct an inspection of each pollution prevention plan at least once per permit term (years 3,4,5)
Storm Sewer System Maintenance	The estimated number of catch basins cleaned and/or repaired/inspected. Estimated linear feet of ditching completed in order to maintain flow line and remove sediment. Estimated volume of floatables removed from the system.	Inspect/maintain approximately 50% of the system per year (years 4,5)
Maintain Municipally Owned Construction Sites	The number of municipal construction sites maintained	Inspect and maintain municipally owned construction sites as required by the TCEQ Construction General Permit (years 4,5)
Municipal Parking Lots	Estimated number of parking lot inspections	Inspect/maintain municipal parking areas at least once per year (years 4,5)
Roadway Deicing Procedures	The number of deicing events and material removal actions completed	Properly use and remove deicing material. (years 4,5)
Municipally Owned Industrial Facilities	The name, permit number and permit compliance status of each municipally owned industrial facility	Comply with the TCEQ MSGP at municipally owned industrial facilities that are eligible for MSGP coverage (years 2,3,4,5)

6.D. BMP Implementation Schedule & Responsible Party

BMP	Ang. D.D.	V. D.D.	Ang.	Rwd.	B Co C&R No. 3	B. DD4	Clt.	L. Jsn.	Alv.	Fpt.	B. Cnty	Full Implementation by End of
Litter/Garbage Collection		√	√	√			√	√	√	√	√	Year 3
Pesticide and Herbicide Application	√	√	√	√	√	√	√	√	√	√	√	Year 2
Maintenance of Roadways and Park Areas		√	√	√			√	√	√	√	√	Year 2
Vehicle and Equipment Maintenance	√	√	√	√	√	√	√	√	√	√	√	Year 4
Spill Prevention Plans		√						√	√	√	√	Year 3
Employee Training Program	√	√	√	√	√	√	√	√	√	√	√	Year 3
Disposal of Waste	√	√		√	√	√	√	√	√	√	√	Year 2
Maintenance Office and Stockpile Material Storage Area		√	√	√	√	√	√	√	√	√	√	Year 3
Storm Sewer Maintenance	√	√	√	√	√	√	√	√	√	√	√	Year 4
Maintain Municipally Owned Construction Sites	√	√	√	√	√	√	√	√	√	√	√	Year 4
Municipal Parking Lots			√	√	√	√	√	√	√	√	√	Year 4
Roadway Deicing Procedures			√	√				√	√	√	√	Year 4
Municipally Owned Industrial Facilities			√					√	√	√		Year 2

***Ang D.D.**=Angleton Drainage District; **V.D.D.**=Velasco Drainage District; **Ang.**=City of Angleton; **Rwd.**=City of Richwood; **Clt.**=City of Clute; **L. Jsn.**=City of Lake Jackson; **Alv.**=City of Alvin; **Fpt.**=City of Freeport; **B. Cnty**=Brazoria County; **B Co C&R No. 3**=Brazoria County Conservation & Reclamation District No. 3; **B. DD4**=Brazoria Drainage District No. 4