

**MUNICIPAL GOVERNMENT OF HATILLO
HATILLO, PUERTO RICO**

**NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT
APPLICATION FOR REGULATED SMALL MUNICIPAL SEPARATE STORM
SEWER SYSTEMS IN PUERTO RICO**

NOTICE OF INTENT (NOI)

**1. ACTIVITIES THAT REQUIRE A NATIONAL POLLUTANT DISCHARGE
ELIMINATION SYSTEM (NPDES) PERMIT.**

Municipal Separate Storm Sewer System (MS4) located in Hatillo, Puerto Rico

**2. NAME, MAILING ADDRESS, AND LOCATION OF THE FACILITY FOR
WHICH THE APPLICATION IS SUBMITTED.**

Municipal Government of Hatillo
PO Box 8
Hatillo, Puerto Rico 00659

Telephone Number: (787) 898-3840

**3. STANDARD INDUSTRIAL CLASSIFICATION (SIC) CODE THAT
REFLECTS THE SERVICE PROVIDED BY THE FACILITY.**

The SIC Code for the Municipality of Hatillo is 9199.

**4. OPERATOR NAME, ADDRESS, TELEPHONE NUMBER, OWNERSHIP
STATUS, AND STATUS AS A FEDERAL, STATE, LOCAL, TRIBAL OR
OTHER PUBLIC ENTITY.**

Hon. José Rodríguez Cruz
Mayor
Municipal Government of Hatillo

The mailing address is provided in section 2.

**5. LIST OF PERMITS OR CONSTRUCTION APPROVALS RECEIVED OR
APPLIED UNDER ANY OF THE FOLLOWING PROGRAMS: RESOURCE
CONSERVATION AND RECOVERY ACT, UNDERGROUND INJECTION
CONTROL UNDER THE SAFE DRINKING WATER ACT, NATIONAL
POLLUTANT DISCHARGE ELIMINATION SYSTEM PROGRAM UNDER THE
CLEAN WATER ACT, PREVENTION OF SIGNIFICANT DETERIORATION
PROGRAM UNDER THE CLEAN AIR ACT, NONATTAINMENT PROGRAM
UNDER THE CLEAN AIR ACT, THE NATIONAL EMISSION STANDARDS
FOR HAZARDOUS AIR POLLUTANTS, PRECONSTRUCTION APPROVAL**

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FOR HAZARDOUS AIR POLLUTANTS, PRECONSTRUCTION APPROVAL**

5 UNDER THE CLEAN AIR ACT, OCEAN DUMPING PERMITS UNDER THE MARINE PROTECTION RESEARCH AND SANCTUARIES ACT, DREDGE OR FILL PERMITS UNDER SECTION 404 OF THE CLEAN WATER ACT OR OTHER RELEVANT ENVIRONMENTAL PERMITS, INCLUDING STATE PERMITS.

- a. Resource Conservation and Recovery Act- not applicable
- b. Underground Injection Control under the Safe Drinking Water Act- not applicable
- c. National Pollutant Discharge Elimination System under the Clean Water Act- the Municipality of Hatillo is hereby submitting this NOI as part of the NPDES MS4 General Permit No. OPR40000 requirements.
- d. Prevention of Significant Deterioration under the Clean Air Act- not applicable.
- e. Nonattainment Program under the Clean Air Act- not applicable.
- f. National Emission Standards for Hazardous Air Pollutants- not applicable
- g. Preconstruction Approval under the Clean Air Act- not applicable
- h. Ocean Dumping Permits under the Marine Protection Research and Sanctuaries Act- not applicable.
- i. Dredge of Fill Permits under Section 404 of the Clean Water Act- not applicable
- j. State Permits

Puerto Rico Environmental Quality Board

- Permit for collection and transportation of non-hazardous solid waste
Permit NO. SR-34-0254 Issued: February 6, 2009

6. TOPOGRAPHIC MAP (OR OTHER MAP IF A TOPOGRAPHIC MAP IS UNAVAILABLE) OF THE FACILITY SHOWING: INTAKE AND DISCHARGE STRUCTURES, HAZARDOUS WASTE TREATMENT, STORAGE OR DISPOSAL FACILITIES, WELLS FOR UNDERGROUND INJECTION OF FACILITY'S FLUIDS AND WELLS, SPRINGS AND OTHER SURFACE WATER BODIES AND DRINKING WATER WELLS LISTED IN PUBLIC RECORDS OR OTHERWISE KNOWN TO THE APPLICANT IN THE MAP.

An aerial map of the MS4 coverage area is included under Attachment No. 1 showing the following public facilities:

- Puerto Rico Aqueduct and Sewer Authority (PRASA)
 - Water Treatment Plant- with intake location at the Camuy River
 - Drinking Water Wells

The map also shows a 1-mile buffer zone surrounding the Hatillo MS4 area.

7. BRIEF DESCRIPTION OF THE NATURE OF THE BUSINESS.

The Municipality of Hatillo is located in the north coast of Puerto Rico and it is one of its 78 municipalities. Hatillo is bordered by the Atlantic Ocean to the north, the municipalities of Lares and Utuado to the south, the municipality of Camuy to the west, and the municipality of Arecibo to the east. It occupies an area of 58.7 square miles and as of 2006 has a population of 42,483 habitants.

Similar to other municipalities, the municipality of Hatillo elects a mayor and a municipal legislature which: develop and implement local rules and regulations, prepare and manage the municipal budget, and administers and provides municipal public services to all residents and visitors.

8. ESTIMATE OF THE SQUARE MILEAGE SERVED BY THE MS4.

The MS4 serves an approximate area of 8.3 square miles.

9. DESCRIPTION OF THE BEST MANAGEMENT PRACTICES TO BE IMPLEMENTED FOR EACH OF THE CONTROL MEASURES.

See Attachment No. 2

10. DESCRIPTION OF THE MEASURABLE GOALS FOR EACH OF THE BEST MANAGEMENT PRACTICES, INCLUDING THE MONTH AND YEAR IN WHICH THE ACTION WILL BE TAKEN.

See Attachment No. 2

11. PERSONS RESPONSIBLE FOR IMPLEMENTING OR COORDINATING THE APPLICANT'S STORM WATER MANAGEMENT PROGRAM.

The persons responsible for the implementation of the Storm Water Management Program and activities related to the MS4 operation will be:

Mr. Ricardo Lizazuain
Director of Planning
PO Box 8
Hatillo, PR 00659

Tel. (787) 898-3840
(787) 898-3835 Ext. 277

APPENDIX A

ELIGIBILITY AND SCREENING PROCEDURES RELATING TO SPECIES LISTED AND CRITICAL HABITAT DESIGNATED UNDER THE ENDANGERED SPECIES ACT (ESA).

ENDANGERED AND THREATENED FLORA AND FAUNA

Eligibility and screening procedures relating to species listed and critical habitat designated under the Endangered Species Act (ESA).

The MS4 operated by the Central Administration of the Municipality of Hatillo meets Criterion E:

Storm water discharges associated with industrial activity and allowable non storm water discharges are not likely to adversely affect any federally listed endangered and threatened (listed) species or designated critical habitat.

The Fauna of the Municipality of Hatillo is not very diverse and it is composed of few species. The most abundant group of species is the birds. Around 24 species of birds have been reported in the Municipality that includes migrant and endemic species. Invertebrates, amphibians, reptilians, marine mammals, and terrestrial mammals compose the rest of the fauna. The United States Fish and Wildlife Service official List of Threatened and Endangered Species reports five species of fauna which have been found to have significant population within the municipality of Hatillo. The listed threatened and endangered species are:

- Puerto Rican Boa (*Epicrates inornatus*); endangered;
- Brown Pelican (*Pelecanus occidentalis*); endangered;
- Green Sea Turtle (*Chelona mydas*), threatened;
- Hawksbill Sea Turtle (*Eretmochelys imbricata*), endangered;
- Leatherback Sea Turtle (*Dermochelys coriacea*), endangered.

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The flora in the Municipality of Hatillo is composed of both endemic and many invasive as well as ornamental plant species. Well above over a hundred species of plants representing more than 40 families are to be found within the municipality. No species of plants listed as endangered or threatened plants are found within the Municipality of Hatillo.

This information was reviewed with the official List of Endangered Species of the US Fish & Wildlife Service and the Department of Natural and Environmental Resources of Puerto Rico.

The best management practices (Item 9 of the Notice of Intent) proposed to control storm water in the MS4 operated by the Central Administration will not affect these species or their habitat in the Botanical Garden. So, the MS4 is eligible for coverage under the NPDES General Permit for the Commonwealth of Puerto Rico under Criterion E.

APPENDIX B

ELIGIBILITY AND SCREENING PROCEDURES RELATING TO HISTORIC PROPERTIES AND THE NATIONAL HISTORIC PRESERVATION ACT.

HISTORIC PLACES

Eligibility and screening procedures relating to historic properties and the National Historic Preservation Act.

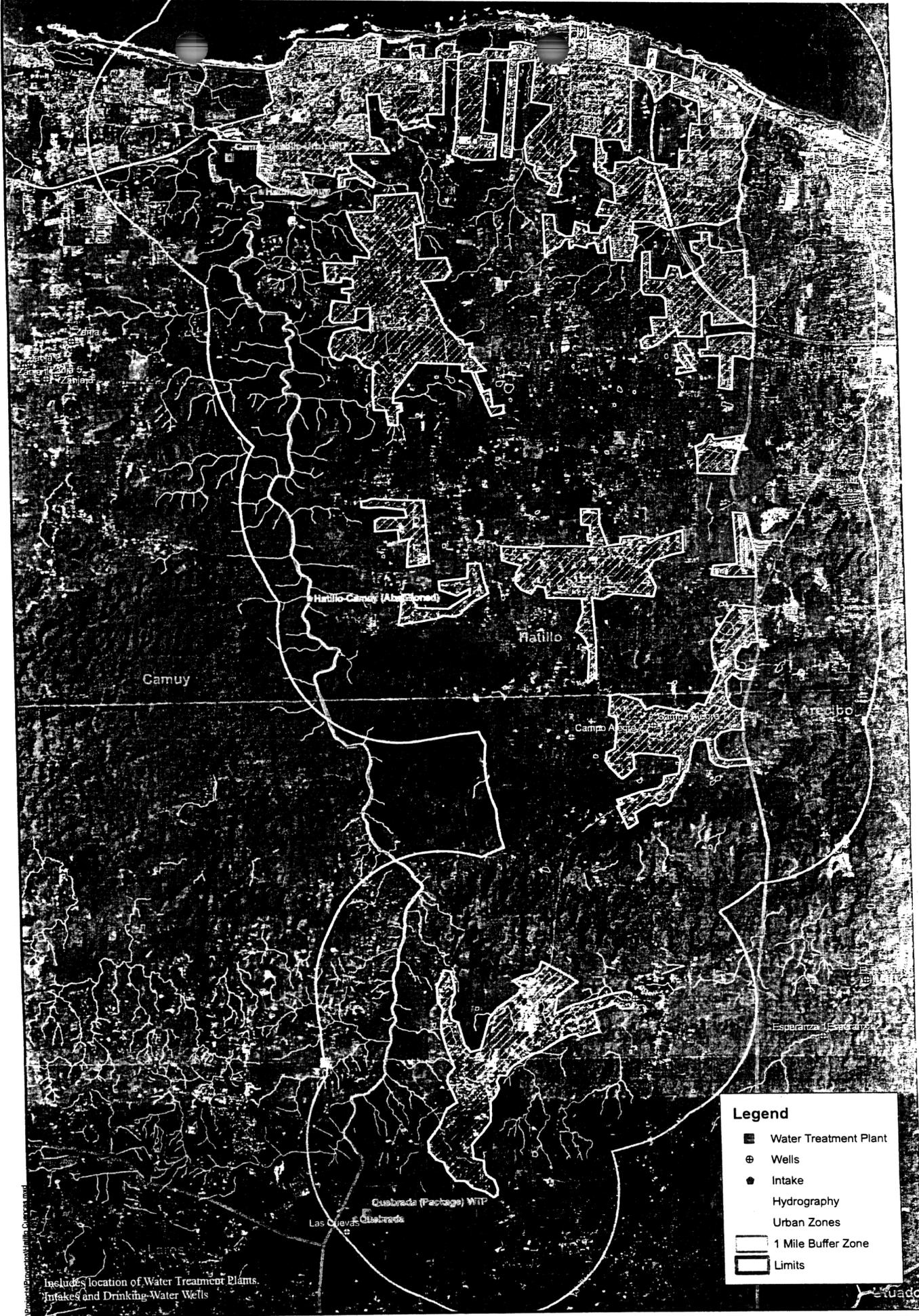
The MS4 operated by the Municipality of Hatillo meets **Criterion B:**

Your discharge related activities (i.e. construction and/or installation of storm water best management practices that involve subsurface disturbance) will not affect historic properties.

There is one structure of historical value in the Municipality of Hatillo which is listed in the National Registry of Historic Places of the State Historic Preservation Office. The structure is the Catholic Church Nuestra Señora del Carmen. The church which is located at Luis M. Lacomba street in the Municipality of Hatillo, is an example of Spanish Colonial Architecture. The building was designed by Pedro A. Beibal and founded on 1879. The historic site was introduced to the National Registry of Historic Places in December 10, 1984.

The best management practices (Item 9 of the Notice of Intent) proposed to control storm water in the MS4 operated by the Central Administration will not affect these places. So, the MS4 is eligible for coverage under the NPDES General Permit for the Commonwealth of Puerto Rico under Criterion B.

ATTACHMENT NO. 1
AERIAL MAP OF HATILLO MS4 CONVERGENCE AREA



Includes location of Water Treatment Plams.
Intakes and Drinking-Water Wells

Legend

-  Water Treatment Plant
-  Wells
-  Intake
-  Hydrography
-  Urban Zones
-  1 Mile Buffer Zone
-  Limits

ATTACHMENT NO. 2
DESCRIPTION OF BEST MANAGEMENT PRACTICES AND
MEASURABLE GOALS FOR IMPLEMENTATION

**MUNICIPAL GOVERNMENT OF HATILLO
ATTACHMENT NO. 2**

**TABLE 1:
BEST MANAGEMENT PRACTICES (BMP) FOR EACH MINIMUM CONTROL MEASURE UNDER MS4 PERMIT**

BMP Description	Measurable Goal	Target Audience	Expected Implementation Date
1. Public Education and Outreach			
Development of new and review/evaluation of existing educational material related with stormwater pollution control, including themes such as: types of common storm water pollutants, toxic effects; simple water pollution control practices; environmental impacts, illegal discharge awareness, among others.	Creation of pamphlets, flyers, ads, informational brochures for general information purposes; quantity of educational material distributed.	General public, residents, commercial properties, local industries, municipality offices.	By December, 2009 and then one annual publication and distribution.
Conductance of conferences on storm water quality and the importance of water pollution prevention.	List of attendees from community groups, public and private schools, industry representatives, and other local components.	General public, residents and visitors, students	Starting on September 2009, and bi-annually thereafter
Municipality sponsorship of storm water pollution control related public services announcements (PSA) of 30-seconds in duration for play on radio or television; creation of informational articles in the local newspaper media	Quantity of radio program and local newspaper co-sponsors, number of radio program callers, quantity of reading material distributed.	Local and adjacent towns radio listeners, local residents	By June 2010: Program organization for one PSA Each year thereafter: media time will be purchased to air the PSA developed in 2009

**TABLE 1:
BEST MANAGEMENT PRACTICES (BMP) FOR EACH MINIMUM CONTROL MEASURE UNDER MS4 PERMIT
(Cont.)**

BMP Description	Measurable Goal	Target Audience	Expected Implementation Date
1. Public Education and Outreach (Cont.)			
Creation of school educational material to be offered to public and private schools students on storm water pollution control importance.	All students must be educated on storm water pollution control aspects.	Elementary, intermediate and high school students	Exiting students: June 2010 New students: Annually
Development of storm water-related posters for display in schools and municipal government localities.	Completion and placement of storm-water related posters in schools and municipal offices.	Students and general public	December 2009
2. Public Participation			
Development of an on-going program of catch basin stenciling until all basins in the municipality have been stenciled. The stenciling program will consist on volunteers applying stenciled messages to storm drains advising people not to dump substances other than rainwater because the basins drain directly into water courses.	Institution of a voluntary, on-going catch basin stenciling program with the target of stenciling all catch basins by the end of the permit effectiveness period.	Community groups and residents, local civic groups.	30% By December 2009 70% By June 2010 100% By December 2010

**TABLE 1:
BEST MANAGEMENT PRACTICES (BMP) FOR EACH MINIMUM CONTROL MEASURE UNDER MS4 PERMIT
(Cont.)**

BMP Description	Measurable Goal	Target Audience	Expected Implementation Date
2. Public Participation (Cont.)			
Conductance of on-going series of public forums/discussions about storm water management and pollution control requirements.	The municipality will conduct at least one public forum directed at development of ordinances for construction and post-construction storm water pollution controls.	Local contractors, General Contractors Association, Homeowners Contractors Association, local and state Chamber of Commerce, Industries Association, College of Engineers and Surveyors of Puerto Rico, College of Architects of Puerto Rico, state and local government representatives, farmers, cattle growers.	By June 2010
	The municipality will conduct public work sessions and public hearings on proposed storm water pollution control ordinances, public construction and post-construction sites runoff control.		By December 2010:
	Proposed creation/amendments to municipal ordinances to be presented at public meeting, and at least one public hearing on the proposed changes.		By March 2011
	Final ordinances on storm water pollution control		By June 2011

**TABLE 1:
BEST MANAGEMENT PRACTICES (BMP) FOR EACH MINIMUM CONTROL MEASURE UNDER MS4 PERMIT
(Cont.)**

BMP Description	Measurable Goal	Target Audience	Expected Implementation Date
2. Public Participation (Cont.)			
Development of a stencil maintenance program where the municipality staff is instructed to inspect catch basin stenciling and re-do the stenciling if needed, every time they clean a basin that is already stenciled.	Implementation of a municipal stenciling maintenance program in conjunction with routine catch basin cleaning.	Municipality employees	By March 2011
Attempt to establish an "adopt-a-stream" program where light infrastructure debris will be removed and maintenance needs will be identified.	Development of an on going, voluntary, "adopt-a-stream" program. "Stream walks" will be conducted on identified stretches of streams. Needed maintenance will be scheduled as soon as practicable.	Local residents, community groups, schools, municipality public works department	One "stream walk" by December 2009 and annually thereafter.

**TABLE 1:
BEST MANAGEMENT PRACTICES (BMP) FOR EACH MINIMUM CONTROL MEASURE UNDER MS4 PERMIT
(Cont.)**

BMP Description	Measurable Goal	Target Audience	Expected Implementation Date
3. Illicit Discharge Detection Elimination			
Creation of a Storm Drain System Map	Prepare a storm water infrastructure inventory for the urban area; Account for all components of the Municipality's Storm Water System (SWS) including structural pollution control devices, outfalls locations, and identification of receiving water bodies.	MS4 municipal managers, developers, contractors, and emergency response personnel.	15% By December 2009 60% By December 2010 100% By October 2011
Identify illicit connections through survey of outfalls and SWS.	Account for all existing points of illicit discharge into the SWS. And the elimination of all known points of illicit discharge into SWS.	MS4 municipal managers.	15% By December 2009 60% By December 2010 100% By October 2011
Create an ordinance aimed at the establishment of a Storm Water System Permit Compliance and Enforcement Program.	Development and implementation of a Storm Water System Permit Compliance and Enforcement Program.	Regulated Community	- First Draft by Dec. 2010 - Public Meetings by Jan. 2011 - Public Hearings by Apr. 2011 - Final Version by Oct. 2011

**TABLE 1:
BEST MANAGEMENT PRACTICES (BMP) FOR EACH MINIMUM CONTROL MEASURE UNDER MS4 PERMIT
(Cont.)**

BMP Description	Measurable Goal	Target Audience	Expected Implementation Date
3. Illicit Discharge Detection Elimination Cont.			
Create an ordinance which prohibits the illegal disposal of waste in an unpermitted area or into a storm drain system.	Pollutant reduction as evidenced by water quality sampling results.	Community residents, commercial sector representatives, and local industries.	<ul style="list-style-type: none"> - First Draft by Oct. 2009 - Public Meetings by Nov. 2009 - Public Hearings by May 2010 - Final Version by Aug. 2010
Create an illicit discharge and illegal dumping hotline	Reduction of illegal dumping and/or illicit discharge occurrences.	Community residents, commercial sector representatives, and local industries.	By December 2009
Develop a Storm Water System inspection program.	General assessment of Storm Water System Conditions	MS4 municipal managers	<ul style="list-style-type: none"> 15% By December 2009 60% By December 2010 100% By October 2011 And once a year thereafter.

**TABLE 1:
BEST MANAGEMENT PRACTICES (BMP) FOR EACH MINIMUM CONTROL MEASURE UNDER MS4 PERMIT
(Cont.)**

BMP Description	Measurable Goal	Target Audience	Expected Implementation Date
4. Construction Site Stormwater Runoff Control			
Request from contractors to submit a certified plan for the control of stormwater runoff.	Municipality endorsement to projects is conditioned to submittal of plan.	MS4 municipal managers and contractors.	By June 2010
Request from contractors to certify that all Storm Water System connections were performed in accordance with approved plans and specifications	Minimize the unapproved connections during constructions to the Storm Water System.	MS4 municipal managers and construction business community.	By December 2009
Require from developers, contractors and designers, on all construction contracts, to submit "as built" drawings showing all new connections to storm water system, conveyances and discharge point for developments and commercial activities to the Municipal Government.	Updates to the original Storm Drain System Map.	MS4 municipal managers and municipality legal representatives.	By June 10, 2010 complete a draft version of the general conditions to be included on each construction contract. By October 20 complete a final version of the general conditions.

**TABLE 1:
BEST MANAGEMENT PRACTICES (BMP) FOR EACH MINIMUM CONTROL MEASURE UNDER MS4 PERMIT
(Cont.)**

BMP Description	Measurable Goal	Target Audience	Expected Implementation Date
5. Post-Construction Stormwater Management in New Development and Redevelopment.			
Develop and implement a program for inspection and preventive maintenance of structural storm water controls.	Reduction of MS4 permit non-compliance incidences	MS4 municipal managers	15% By December 2009 60% By December 2010 100% By October 2011
Protect municipal properties within upland watershed susceptible to erosion problems.	Implement erosion control measures such as seedling, mulching, protection of natural features, and urban forestry.	MS4 municipal managers and municipal public works personnel.	By September 2009
Create an ordinance aimed at the establishment of a permit system for connection to the Municipality's Storm Water System	Development and implementation of a permit system for connection to the Municipality's Storm Water System	Regulated Community	- First Draft by Dec. 2010 - Public Meetings by Jan. 2011 - Public Hearings by Apr. 2011 - Final Version by Oct. 2011

**TABLE 1:
BEST MANAGEMENT PRACTICES (BMP) FOR EACH MINIMUM CONTROL MEASURE UNDER MS4 PERMIT
(Cont.)**

BMP Description	Measurable Goal	Target Audience	Expected Implementation Date
6. Pollution Prevention/Good Housekeeping for Municipal Operations			
<p>Certification of No Exposure for its vehicle maintenance facilities, or from any private vehicle maintenance company dedicated to provide such maintenance services to the municipality.</p>	<p>The municipality will obtain a Certification of No Exposure (CNE) from an inspection conducted by a certified environmental professional to the public or private vehicle maintenance provider. The municipality will maintain this certification throughout the permit period.</p>	<p>Municipal vehicle maintenance operators.</p>	<p>By December 2009</p>
<p>Implement recommended improvements resulting from the most recent Municipal Compliance inspection, and will maintain compliance throughout the permit period.</p>	<p>The municipality will implement recommended improvements resulting from the recent Municipal Compliance inspection.</p>	<p>Municipal vehicle maintenance operators.</p>	<p>By December 2009, and each year thereafter.</p>
<p>Development of an on-going training program for Public Works personnel related to stormwater management and handling of hazardous materials; obtain training certifications on storm water management from private vehicle maintenance providers</p>	<p>The municipality will obtain training for Public Works staff, and other staff as appropriate, in recognizing signs of storm water management/erosion control failures, as described in minimum control measures 4 and 5</p>	<p>Municipal vehicle maintenance operators.</p>	<p>By December 2009, and refreshing sessions each year thereafter.</p>