

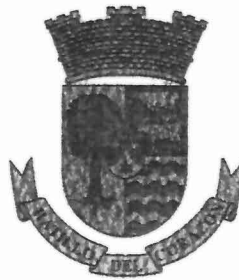
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PHASE II  
SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEMS (MS4)

**NOTICE OF INTENT**

**2016 MS4 General Permit**

**Permit Number PRR040045**

Submitted by:



**Municipality of Hatillo**  
P.O. Box 8  
Hatillo, Puerto Rico 00659

Submitted to:

**United States Environmental Protection Agency, Region 2**  
Caribbean Environmental Protection Division  
City View Plaza, Suite 7000  
#48 Road 165 km 1.2  
Guaynabo, Puerto Rico 00968

September 2016

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REGION 2

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## ATTACHMENTS

Figure 1. Location Map

Figure 2. Municipality of Hatillo MS4 Area Map

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Storm Sewer System (MS4) General Permit (PRR040045) for Puerto Rico

**Part A. General Information**

1. Name of Municipality or Organization: HATILLO
2. Type: ☐ Federal ☐ State ☒ Municipality ☐ Other: \_\_\_\_\_
3. Existing Permittee: ☒ Yes ☐ No If yes, provide EPA NPDES Permit Number: P R R 0 4 0 0 4 5
4. Location Address:
  - a. Street: Franklin Delano Roosevelt Street
  - b. City: Hatillo State: PR Zip Code: 00659
5. Mailing Address:
  - a. Street: P.O. Box 8
  - b. City: Hatillo State: PR Zip Code: 00659
6. Telephone Number: 787-898-3840 Fax: 787-898-2295
7. E-mail: opdmhatillo@gmail.com
8. Standard Industrial Classification (SIC) Code (see instructions for common codes): 9 1 9 9
9. Latitude: (use the format provided.) Longitude: (use the format provided.)

*2.2.4.2 Approximate center of the regulated portion of the MS4.*

1 8 ° 2 8 ' 4 1 " N (degrees, minutes, seconds) 6 6 ° 4 7 ' 5 5 " W (degrees, minutes, seconds)

Or

1 8 . 4 7 8 0 N (degrees decimal) 6 6 . 7 9 8 7 W (degrees decimal)

**Part B. Primary MS4 Program Manager Contact Information**

1. Name: Ricardo Lizasuain
2. Position Title: Planning and Municipal Development Office Director
3. Stormwater Management Program (SWMP) Location (web address or physical location): Hatillo Planning and Municipal Development Office, #58 Luis H. Lacomba Street, Hatillo, PR 00659
4. Mailing Address:
  - a. Street: P.O. Box 8
  - b. City: Hatillo State: PR Zip Code: 00659

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5. Telephone Number: 787-262-0950

6. E-mail: opdmhatillo@gmail.com

**Part C. Eligibility Determination**

1. Endangered Species Act (ESA) determination complete? ☒ Yes ☐ No
- a. Eligibility Criteria (check all that apply): ☐ A ☐ B ☐ C ☐ D ☒ E
2. National Historic Preservation Act (NHPA) determination complete? ☒ Yes ☐ No
- a. Eligibility Criteria (check all that apply): ☒ A ☐ B ☐ C ☐ D

**Part D. Map/Boundaries**

1. MS4/Organization Description of regulated boundaries (narrative):

The Municipality of Hatillo is located in the northern coast and encompasses an area approximately 42 square miles. The municipality has a population of 41,953 people (US Census, 2010). To the North is bounded by the Atlantic Ocean, to the South by the municipalities of Utuado and Lares, to the East by the Municipality of Arecibo and to the West it bounds with the Municipality of Camuy. The Municipality's urbanized area (UA), which is defined by contiguous census blocks with a density of more than 1,000 people per square mile, extents approximately to 8.3 square miles. The municipality's stormwater service area is limited to the UA and to 2 of the municipality's wards; Hatillo Pueblo and Carrizales. The major receiving stream within the municipality's jurisdiction is the Camuy River, which receives most of the stormwater drainage from the northern and western portions of the municipality's UA.

2. Location Map/Boundaries. A location map must be attached showing the pertinent city, town, wards, or boundaries, the boundaries of the Small MS4, including surface water body(s), and the "urbanized area" (UA) when applicable.

Is map attached? ☒ Yes ☐ No

**Part E. MS4 Infrastructure** (if covered under the 2006 general permit)

1. Estimated Percent of Outfall Map Complete? (*Part 4.2.3 of 2006 general permit*): 100 %
- a. If 100% of 2006 requirements are not met, enter an estimated date of completion: N/A  
(MM/DD/YYYY)
- b. Web address where MS4 map is published: A Copy of the MS4 map is available for public review at the Municipality of Hatillo Planning Office.
- If outfall map is unavailable on the internet an electronic or paper copy of the outfall map must be included with NOI submission.*

**Part F. Bylaw/Ordinance Development** (if covered under the 2006 general permit)

1. Illicit Discharge Detection and Elimination (IDDE) authority adopted? ☒ Yes ☐ No
- a. Effective Date or Estimated Date of Adoption: 10/17/2011

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(MM/DD/YYYY)

2. Construction/Erosion and Sediment Control authority adopted? ☒ Yes ☐ No

a. Effective Date or Estimated Date of Adoption: 10/17/2011  
 (MM/DD/YYYY)

3. Post-Construction Stormwater Management adopted? ☒ Yes ☐ No

a. Effective Date or Estimated Date of Adoption: 10/17/2011  
 (MM/DD/YYYY)

**Part G. Receiving Waters**

List the names of all surface waterbody segments to which your MS4 discharges. For each waterbody segment, please report the number of outfalls discharging into it and, if applicable, any impairments. You may attach additional information.

Waterbody Segment that receives flow from the MS4	Number of Outfalls into receiving waterbody segment	Have any monitoring been performed to outfalls? (Yes/No)	List of Pollutant(s) causing impairment (if applicable)	List of TMDL Pollutant (s) (if any)
Río Camuy (PRNR5A)	Eighteen (7)	No	Fecal Coliform (Pathogens) from Confined Animal Feeding Operations, Minor Industrial Point Source, and Onsite Wastewater Systems.	Fecal Coliform (Point/Nonpoint Sources)
Río Camuy Estuary (PRNE5A)	Eighteen (7)	No	Fecal Coliform (Pathogens) from Onsite Wastewater Systems.	Fecal Coliform (Point/Nonpoint Sources)
Punta Sardina to Punta Manglillo (PRNC02)	Thirteen (15)	No	Dissolved Oxygen (Organic Enrichment/Oxygen Depletion), Enterococcus Bacteria (Pathogens), and Turbidity.	TDML needed.
Punta Manglillo to Punta Morillos (PRNC03)	Sixty five (65)	No	No impairment data have been reported to EPA for this waterbody.	No TMDL data have been recorded by EPA for this waterbody.

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**Part H. Summary of Stormwater Management Program (SWMP) under the 2006 Small MS4 General Permit**

For every measurable goal and associated Best Management Practice (BMP) listed in the adopted program, provide the following information (You may include additional pages):

BMP Description or BMP ID (e.g. MCM-1)	Goal Achieved? (Yes/No)	Continued in next permit cycle? (Yes/No)	Who was the targeted audience? Explain reason for not achieving goal.	Modification(s) to goals or BMP for next permit cycle
<b>MCM-1. Public Education and Outreach</b>				
Development and/or review of existing educational material related to stormwater pollution control, including themes such as: types of common stormwater pollutants, toxic effects; simple water pollution control practices; environmental impacts, illegal discharge awareness, among others.	Yes	Yes	General public, residents, commercial properties, local industries, municipality offices.	None
Conductance of conferences on storm water quality and the importance of water pollution prevention.	Yes	Yes	General public, residents and visitors, students.	None
Sponsorship of stormwater 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.	Yes	Yes	Local and adjacent towns radio listeners, local residents.	None
Creation of school educational material to be offered to public and private schools students on storm water pollution control importance.	Yes	Yes	Elementary, intermediate and high school students.	None
Development of storm water-related posters for display in schools and municipal government localities.	Yes	Yes	Students and general public.	None
<b>MCM-2. Public Participation</b>				
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.	Yes	Yes	Community groups and residents, local civic groups.	None

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BMP Description or BMP ID (e.g. MCM-1)	Goal Achieved? (Yes/No)	Continued in next permit cycle? (Yes/No)	Who was the targeted audience? Explain reason for not achieving goal.	Modification(s) to goals or BMP for next permit cycle
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	Yes	Yes	Local and adjacent towns radio listeners, local residents.	None
Creation of school educational material to be offered to public and private schools students on storm water pollution control importance.	Yes	Yes	Elementary, intermediate and high school students.	None
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	Yes	Yes	Local and adjacent towns radio listeners, local residents.	None
Creation of school educational material to be offered to public and private schools students on storm water pollution control importance.	Yes	Yes	Elementary, intermediate and high school students.	None
Conductance of on-going series of public forums/discussions about stormwater management and pollution control requirements.	Yes	No	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.	N/A – Municipal Ordinances related to stormwater management and pollution control adopted on December 4, 2012.
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.	No	Yes	Municipality employees.	None
Adopt-a-Stream Program	No	Yes	Local residents, community groups, schools, municipality public works department.	None

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BMP Description or BMP ID (e.g. MCM-1)	Goal Achieved? (Yes/No)	Continued in next permit cycle? (Yes/No)	Who was the targeted audience? Explain reason for not achieving goal.	Modification(s) to goals or BMP for next permit cycle
<b>MCM-3. Illicit Discharge Detection Elimination</b>				
Creation of a Storm Drain System Map	Yes	Yes	MS4 municipal managers, developers, contractors, and emergency response personnel.	None
Identify illicit connections through survey of outfalls and SWS.	Yes	Yes	MS4 municipal managers.	None
Create an ordinance aimed at the establishment of a Storm Water System Permit Compliance and Enforcement Program.	Yes	Yes	Regulated Community.	As needed – Current Municipal Ordinance establishing compliance and enforcement responsibilities adopted on October 17, 2011.
Create an ordinance which prohibits the illegal disposal of waste in an unpermitted area or into a storm drain system.	Yes	Yes	Community residents, commercial sector representatives, and local industries.	As needed – Current Municipal Ordinance prohibiting illegal disposal of waste in an unpermitted area or storm drain system adopted on October 17,
Create an illicit discharge and illegal dumping hotline.	Yes	Yes	Community residents, commercial sector representatives, and local industries.	None
Develop a Storm Water System inspection program.	Yes	Yes	MS4 municipal managers	None
<b>MCM-4. Construction Site Stormwater Runoff Control</b>				
Require contractors to submit a certified plan for the control of stormwater runoff.	Yes	Yes	MS4 municipal managers and contractors.	None
Require contractors to certify that all Storm Water System connections were performed in accordance with approved plans and specifications.	Yes	Yes	MS4 municipal managers and construction business community.	None
Require 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.	Yes	Yes	MS4 municipal managers and municipality legal representatives.	None
<b>MCM-5. Post-Construction Stormwater Management in New Development and Redevelopment</b>				
Develop and implement a program for inspection and preventive maintenance of structural storm water controls.	Yes	Yes	MS4 municipal managers.	None.



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BMP Description or BMP ID (e.g. MCM-1)	Goal Achieved? (Yes/No)	Continued in next permit cycle? (Yes/No)	Who was the targeted audience? Explain reason for not achieving goal.	Modification(s) to goals or BMP for next permit cycle
Protect municipal properties within upland watershed susceptible to erosion problems.	Yes	Yes	MS4 municipal managers and municipal public works personnel.	None
Create an ordinance aimed at the establishment of a permit system for connection to the Municipality's Storm Water System	Yes	No	Regulated Community.	N/A – Municipal Ordinance aimed at establishing a permit system for connection to the Municipality's Storm Water System adopted on December 4, 2012.
<b>MCM-6. Pollution Prevention / Good Housekeeping for Municipal Operations</b>				
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.	Yes	Yes	Municipal vehicle maintenance operators.	None
Implement recommended improvements resulting from the most recent Municipal Compliance inspection, and will maintain compliance throughout the permit period	Yes	Yes	Municipal vehicle maintenance operators.	None
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	Yes	Yes	Municipal vehicle maintenance operators.	None

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**Part I. 2016 Stormwater Management Program (SWMP) Summary**

Public Education and Outreach (See Part 2.4.2 for detailed information of required BMPs):

BMP Description or BMP ID (e.g. MCM-1)	Education Topic (Identify the issue your BMP is educating the public about.)	Outreach Method (Describe the method used to convey this topic, e.g. mailing, events, school, etc.)	Measurable Goal (What is the end result of this program? What indicator will determine the goal has been met? (e.g., number mailing sent, people at event, class participation, etc.)
Distribution of Educational Material	<ul style="list-style-type: none"> <li>• Illegal discharge awareness.</li> <li>• Proper disposal of leftover paint and other household chemicals.</li> <li>• Proper application of lawn-chemicals (fertilizers, herbicides and pesticides).</li> <li>• Changing motor-oil.</li> <li>• Disposal of pet-waste.</li> <li>• Nutrient management for Animal Feeding Operations (AFOs).</li> <li>• Addressing urban littering through recycling (Reduce-Reuse-Recycle).</li> <li>• Residential Car Washing.</li> <li>• Water Conservation.</li> </ul>	<ul style="list-style-type: none"> <li>• Pamphlets</li> <li>• Flyers</li> <li>• Posters</li> <li>• School Talks</li> <li>• Workshops</li> <li>• Public (Municipal) Events</li> <li>• Social Media</li> <li>• Municipal Employee Work – Related Training.</li> </ul>	Number of educational material distributed annually; number of talks per year; or number downloads from a dedicated web address or social media website per month.
Public Service Announcements (PSA)	<ul style="list-style-type: none"> <li>• Illegal discharge awareness.</li> <li>• Onsite Wastewater System Inspections.</li> <li>• Proper disposal of leftover paint and other household chemicals.</li> <li>• Proper application of lawn-chemicals (fertilizers, herbicides and pesticides).</li> <li>• Changing motor-oil.</li> <li>• Disposal of pet-waste.</li> <li>• Addressing urban littering through recycling (Reduce-Reuse-Recycle).</li> <li>• Residential Car Washing.</li> <li>• Water Conservation.</li> </ul>	<ul style="list-style-type: none"> <li>• Public Service Announcements (PSA) of 30-seconds in duration for play on radio or television.</li> <li>• Creation of informational articles in the local newspaper media.</li> </ul>	Quantity of radio program and local newspaper co-sponsors, number of radio program callers, quantity of reading material distributed.
Development and implementation of a written adaptive Public Education and Outreach Plan	<ul style="list-style-type: none"> <li>• MS4 Water Quality Issues.</li> <li>• Target Audiences.</li> <li>• Methods for Public Education.</li> </ul>	<ul style="list-style-type: none"> <li>• Public Meetings</li> <li>• Public Notices</li> </ul>	Completed Public Education and Outreach Plan.

**Part I. 2016 Stormwater Management Program (SWMP) Summary (continued)**

Public Involvement and Participation (See Part 2.4.3 for detailed information of required BMPs):

BMP Description or BMP ID (e.g. MCM-1)	Program Description (Describe the program and how it will inspire public participation, e.g. special events, volunteer sampling and monitoring efforts, household hazardous waste recycling, etc.)	Measurable Goal (What is the end result of this program? What indicator will determine the goal has been met? (e.g., participation, amount of sampling performed, waste collected, etc.)
Catch-Basin Stencil Program	<ul style="list-style-type: none"> <li>The Municipality will develop an on-going program of catch basin stenciling until all basins in the municipality have been stenciled.</li> <li>The stenciling program will consist on volunteers applying stenciled messages to storm drains advising people not to dump substances or material into the storm water sewer system.</li> <li>The stencil program will help public to be aware of location of each catch basin, and the consequence of dumping substances into them.</li> <li>This initiative is focused to the general public.</li> <li>This program includes the preventive maintenance of the storm sewer system. It will be implemented after all catch basin have been stenciled.</li> </ul>	Completed catch-basin - The municipality will create a voluntary, ongoing catch basin stenciling program with the target of stenciling all catch basins.
Stencil Maintenance Program	<ul style="list-style-type: none"> <li>The Municipality will provide maintenance to the stenciling of storm sewer catch basin previously made under the storm sewer stencil program.</li> <li>The Stencil maintenance program will need periodic maintenance of informational devices used.</li> <li>The objective of this control measure is to promote the participation of the employees of the Municipality, volunteers and the general public.</li> </ul>	A work record of each catch basin and the maintenance activities will be provided, including number of participants per year.
Adopt-a-Stream	<ul style="list-style-type: none"> <li>The Municipality will make effort in promoting the participation of groups of the community by adopting streams, which receive urban storm water discharges.</li> <li>The contents of the program will emphasize on the maintenance, conservation and pollution control activities to surface water systems programs.</li> <li>An “adopt to stream” program will promote the sense of ownership of each community group with the program, thus promoting its participation.</li> </ul>	Number of “stream walks” and cleanups conducted each year, as well as the number of participants, will serve as a measureable goal.

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**Part I. 2016 Stormwater Management Program (SWMP) Summary (continued)**

Illicit Discharge Detection and Elimination (See Part 2.4.4 for detailed information of required BMPs):

BMP Description or BMP ID (e.g. MCM-1)	Program Description (Describe the program and how it will identify and remove illicit connections from the MS4, e.g. new regulations, investigation practices, removal of illicit connections, etc.)	Measurable Goal (What is the end result of this program? What indicator will determine the goal has been met? (e.g., adoption of bylaws/ordinances, amount of investigation performed, identified and removed illicit connections, etc.)
Storm Sewer System Map	<ul style="list-style-type: none"> <li>The Municipality will continue preparing, maintaining, and updating as needed, its inventory of the storm water infrastructure located in the urban area.</li> <li>The storm sewer system map includes the location of outfalls, any structural pollution control devices and the identification of water receiving bodies.</li> <li>All obtained data will be plotted in a master set of drawings.</li> <li>The storm sewer system map is needed for the management activities of the program such as inspections and preventive maintenance.</li> </ul>	The storm sewer system map is 100% completed. The map will be updated as needed in the future if expansion or modification to the storm sewer occurs.
Illicit Connection Identification	<ul style="list-style-type: none"> <li>The Municipality will continue its monitoring program to detect illicit connections and discharges to both outfall and storm water system.</li> <li>The identification of possible illicit connections is carried out during the storm drain system map preparation and thereafter as part of the monitoring program.</li> <li>The information gathered during the assessment of illicit connections is primarily for the use of MS4 municipal managers.</li> <li>Based on the information collected in the field, corrective measures are undertaken for each particular case.</li> </ul>	Number of illicit discharge points/locations into the Storm Water System identified per year.
Municipal Ordinances	<ul style="list-style-type: none"> <li>The Municipality will create, modify and/or amend existing ordinances aimed to prohibiting the disposal of waste to regulated areas and/or into a storm drain, and the establishment / maintenance of the Storm Water Permit Compliance and Enforcement Program.</li> <li>The ordinances created, modified and/or amended provide authority to the Municipality to create and enforce regulations aimed at reducing storm water pollution activities.</li> </ul>	Adoption of Municipal Ordinance or other administrative order as needed.
Illicit Discharge and Illegal Dumping Hotline	<ul style="list-style-type: none"> <li>The system will be operating 24 hours a day, seven days per week. The phone number will be included in all educational material distributed.</li> <li>It will also assign a person for answering and referring all calls during normal working hours.</li> <li>During non-working hours all calls will be referred to the Municipal Police. The responsible municipal police officer will retrieve all recorded messages and initiate appropriate action.</li> </ul>	Numbers of phone calls and/or referrals received per year.

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BMP Description or BMP ID (e.g. MCM-1)	Program Description (Describe the program and how it will identify and remove illicit connections from the MS4, e.g. new regulations, investigation practices, removal of illicit connections, etc.)	Measurable Goal (What is the end result of this program? What indicator will determine the goal has been met? (e.g., adoption of bylaws/ordinances, amount of investigation performed, identified and removed illicit connections, etc.)
Storm Water System Inspection Program	<ul style="list-style-type: none"> <li>• The Municipality will continue the program to inspect the storm water system.</li> <li>• Inspections will include the detection of illicit discharges and general assessment of the system condition.</li> <li>• The municipality may use specialized equipment such as cameras, flushing trucks and the like.</li> <li>• Inspections will continue to be performed by the Municipal Public Works Department.</li> </ul>	Record of all inspection and maintenance activities conducted by the Municipal Public Works Department.

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**Part I. 2016 Stormwater Management Program (SWMP) Summary (continued)**

Construction Site Stormwater Runoff Control (See Part 2.4.5 for detailed information of required BMPs):

BMP Description or BMP ID (e.g. MCM-1)	Program Description (Describe the program and how it will help control stormwater runoff at construction sites, e.g. new regulations, construction practices, inspection protocols, etc.)	Measurable Goal (What is the end result of this program? What indicator will determine the goal has been met? (e.g., adoption of bylaws/ordinances, amount of inspections performed and sites actively regulated, etc.)
Require contractors to submit a certified plan for the control of storm water runoff	<ul style="list-style-type: none"> <li>Pursuant municipal ordinance requirements related to sediments control in stormwater systems, it required that contractors, conducting either privately or public funded construction projects, submit evidence of filing and approval of a control of a stormwater runoff plan to the corresponding regulatory agencies (e.g., Environmental Quality Board [EQB] and/or Puerto Rico Permits Management Office [OGPe, for its Spanish acronym).</li> <li>In the event that the proposed construction activities impact an area greater than one-acre, a copy of the NOI submitted to the EPA must be delivered by the contractor the Municipality related to its NPDES General Construction Permit.</li> <li>In the event that the impacted area exceeds 900 square meters, of 40 cubic meters of extraction of soil the contractor shall submit a copy of the transmittal letter included with the stormwater runoff control plan and copy of its approval letter by the OGPE and/or EQB</li> <li>For impacted areas less than 900 square meters or less 40 cubic meters, the contractor shall submit a notice of soil extraction to the Municipality certifying the project's area. The Municipality will waive the need of a municipal permit for erosion control purposes and will notify the contractor of such decision.</li> </ul>	Number of construction endorsements issued pursuant the municipal endorsements requirements.
Require contractors to certify that all Storm Water System connections were performed in accordance with approved plans and specifications	<ul style="list-style-type: none"> <li>Pursuant municipal ordinance requirements, all contractors, after the completion of each municipal project, need to submit a certification, stating that they performed the project according to OGPe approved plans and specifications.</li> <li>The Municipality also requires that all contractors, after the completion of each project, submit an "as built" set of drawings showing new storm water infrastructure. The Municipality uses these "as built" drawings to update the original Storm Drain System Map.</li> </ul>	Number of "As-Built" Drawings submitted by contractors at the Planning and Municipal Development Office.

**Part I. 2016 Stormwater Management Program (SWMP) Summary (continued)**

Post-Construction Stormwater Management in New Development and Redevelopment (See Part 2.4.6 for detailed information of required BMPs):

BMP Description or BMP ID (e.g. MCM-1)	Program Description (Describe the program and how it will control stormwater runoff from properties after they are developed, e.g. new regulations, practices, or resources for contractors to use Low Impact Development (LID), etc.)	Measurable Goal (What is the end result of this program? What indicator will determine the goal has been met? (e.g., adoption of bylaws/ordinances, amount of implemented practices, development of capacity building resources, etc.)
Develop and implement a program for inspection and preventive maintenance of structural storm water control	<ul style="list-style-type: none"> <li>The Municipality will continue to implement a preventive maintenance program for both existing and new storm sewer infrastructure.</li> <li>Standard operating procedures for inspections, preventive and corrective actions will be modify and/or amend as needed.</li> <li>Inspections will be provided as required.</li> <li>Preventive maintenance will be provided annually.</li> </ul>	<p>Number of work orders issued for corrective maintenance per year.</p> <p>Number of inspection reports for preventive maintenance per year.</p>
Protect municipal properties within upland watershed susceptible to erosion problems	<ul style="list-style-type: none"> <li>The Municipality will continue to implement protective measures in municipal properties to avoid and control erosion within upland watershed. These activities include: <ul style="list-style-type: none"> <li>Seeding</li> <li>Mulching</li> <li>Protection of natural features</li> <li>Urban Forestry</li> </ul> </li> </ul>	Number of implemented protective measures per year.
Creating, modifying, or amending existing Municipal Ordinances for the establishment of a MS4 permit system	<ul style="list-style-type: none"> <li>The Municipality will include requirements for connections to the storm water system in the Permit Compliance and Enforcement Program through the creating, modification, and/or amendment of Municipal Ordinances.</li> <li>The municipality will issue ordinance as needed in order to implement a permit system for the evaluation of proposed connections to the Municipality's Storm Water System.</li> <li>The permit system is oriented to the regulated community.</li> </ul>	Adoption of Municipal Ordinance or other administrative order as needed.

**Part I. 2016 Stormwater Management Program (SWMP) Summary (continued)**

Good Housekeeping and Pollution Prevention in Municipal Operations (See Part 2.4.7 for detailed information of required BMPs):

BMP Description or BMP ID (e.g. MCM-1)	Program Description (Describe the program and how it will mitigate stormwater runoff at municipal properties or through municipal activities, e.g. installation of structural stormwater controls on the municipal properties, new practices to reduce pollutant exposure to rain events, runoff management, trainings, etc.)	Measurable Goal (What is the end result of this program? What indicator will determine the goal has been met? (e.g., structural BMPs installed, SOPs developed and implemented, etc.)
Certification of No Exposure for the Municipality's vehicle maintenance facilities or any company that provides such service to the municipality	<ul style="list-style-type: none"> <li>• The Municipality will obtain a Certification yearly of No Exposure (CNE) from an inspection conducted by an external certified environmental professional to the public or private vehicle maintenance provider. The Municipality will maintain this certification throughout the permit period.</li> <li>• Private and public vehicle maintenance providers must assure that facilities are not exposed to runoff action to avoid related pollutants from reaching the storm water system.</li> <li>• The Certification of No Exposure is oriented to the municipal vehicle maintenance operators, either that employed by the Municipality or outsourced.</li> <li>• The Public Work Department will be responsible for acquiring the Certification of No Exposure for its vehicle maintenance facilities. If the maintenance of the fleet of vehicles is outsourced, the Public Work Department will request the private provider to comply with the certification.</li> </ul>	Number of CNE issued to each Municipality's vehicle maintenance facility per year.
Implementation of recommended improvements resulting from the most recent Municipal Compliance inspection, and will maintain compliance throughout the permit period	<ul style="list-style-type: none"> <li>• The Municipality will continue to perform periodic compliance inspections to municipal facilities and vehicles to identify any area of improvement related to the prevention of pollution that may be caused by municipal operations. The Municipality will implement any improvement recommended by the Municipal Compliance inspection personnel.</li> </ul>	Number of inspections at each Municipality's vehicle maintenance facility per year.
Development of an on-going training program for Public Works personnel related to stormwater management and handling of hazardous materials.	<ul style="list-style-type: none"> <li>• The municipality will continue the on-going training program for Public Works personnel related to stormwater management and handling of hazardous materials.</li> <li>• Development / Revision of standard operating procedures (SOPs) that incorporate stormwater BMPs for common municipal operation activities.</li> </ul>	Employees trained per year, and completed SOPs for common municipal operation activities.



**Part J. Application Certification and Signature**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature of Mayor/Elected Official: \_\_\_\_\_

Print Name of Mayor/Elected Official: \_\_\_\_\_ Hon. José A. Rodríguez Cruz

Title: \_\_\_\_\_ Mayor

Date: 9/28/2016




## Municipality of Hatillo

**Figure 1. Location Map**

### Legend

-  Municipality's Boundary
-  Road / Street Map

10 0 10 20 30 km



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## Municipality of Hatillo

Figure 1. Location Map

### Legend

-  Municipality's Boundary
-  Outfalls
-  MS4 Area\*
-  Rivers and Streams
-  Waterbodies
- Aerial Photo 2009-10\*\*

\*MS4 Area = US Census Blocks with Population Density >1,000 people/square mile.

\*\*Puerto Rico Planning Board.

0.5 0 0.5 1 km



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