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**NOTICE OF INTENT**  
**NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM GENERAL PERMIT**  
**PRR040000/PRR04000F**  
**SEPARATE STORM SEWER SYSTEMS 2016**

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**MUNICIPALITY OF CABO ROJO**  
PO Box 1308  
CABO ROJO, PR 00623-4023

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**U.S. ENVIRONMENTAL PROTECTION AGENCY – REGION II**  
**CARIBBEAN ENVIRONMENTAL PROTECTION DIVISION**

City View Plaza, Suite 7000  
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**28 September 2016**

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## APPENDICES

### APPENDIX A – MAPS

- LOCATION/BOUNDARIES MAP
- OUTFALL MAP

### APPENDIX B – ELIGIBILITY DETERMINATION

- U.S. FISH AND WILDLIFE SERVICE ENDANGERED SPECIES ACT ELIGIBILITY DETERMINATION
- NATIONAL HISTORIC PRESERVATION ACT ELIGIBILITY DETERMINATION CRITERIA

## **1.0 NPDES (NOTICE OF INTENT) PERMIT APPLICATION**

### **1.1 BACKGROUND**

In 1972, Congress amended the Clean Water Act (CWA) to prohibit the discharge of any pollutant to waters of the United States from point sources unless the discharge is authorized by a National Pollutant Discharge Elimination System (NPDES) permit. Initial efforts under the NPDES program focused on reducing pollutants in discharges of industrial process wastewater and municipal sewage. As pollution control measures have been implemented, it has become evident that diffuse sources or nonpoint sources are also contributors of water quality degradation. In 1990, the US Environmental Protection Agency (EPA) promulgated rules establishing Phase I of the NPDES storm water program. The Phase I program for MS4s requires operators of "medium" and "large" MS4s, that is, those that generally serve populations of 100,000 or greater, to implement a storm water management program as a means to control polluted discharges from these MS4s. EPA published the Storm Water Phase II Rule on December 9, 1999 which covers all small MS4s located in "urbanized areas" as defined by the Bureau of the Census.

As outlined in these regulations the Autonomous Municipality of Cabo Rojo is required to submit an application for permit coverage as well as a Storm Water Management Plan (SWMP). On March 27, 2008 the Municipality submitted a Notice of Intent (NOI) and on September 5, 2008 were issued coverage under Permit Number PRR040030. The Municipality developed and submitted a Stormwater Management Plan on December 2009, and is currently on Year 7 of its implementation.

### **1.2 2016 MS4 GENERAL PERMIT**

The General Permit for Stormwater Discharges from Small Municipal Separate Storm Sewer Systems in the Commonwealth of Puerto Rico, Permit Number PRRR040000 effective July 1, 2016 requires permittees to submit NOI within 90 days of the effective date of the permit.

*"Operators of Small MS4s seeking authorization to discharge under the terms and conditions of this permit shall submit a complete and accurate NOI that contains the information identified in Appendix F. This includes operators of small MS4s that were previously authorized under the November 6, 2006 Small MS4 General Permit."*

**1.3 NOTICE OF INTENT FORM FOR MS4 IN PUERTO RICO (APPENDIX F)****1.3.1 PART A. GENERAL INFORMATION**

1. Name of Municipality or Organization: **Municipality of Cabo Rojo**

2. Type: ☐ Federal ☐ State ☒ Municipality ☐ Other:

3. Existing Permittee: ☒ Yes ☐ No

If yes, provide EPA NPDES Permit Number: **PRR040030**

4. Location Address:

a. Street: **Casa Alcaldía #49 Calle Betances**

b. City: **Cabo Rojo** State: **PR** Zip Code: **00623-4023**

5. Mailing Address:

a. Street: **P.O. Box 1308**

b. City: **Cabo Rojo** State: **PR** Zip Code: **00623**

6. Telephone Number: **(787)851-1025** Fax: **(787) 851-3388**

7. E-mail: **lrodriguez@caborojopr.net**

8. Standard Industrial Classification (SIC) Code: **9199**

9. Latitude: **18°27'25"N** Longitude: **67°09'45"W**

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

**1.3.2 PART B. PRIMARY MS4 PROGRAM MANAGER CONTACT INFORMATION**

1. Name: **Luis R. Rodriguez**

2. Position Title: **Director of Land Use and Planning Office**

3. Stormwater Management Program (SWMP) Location (web address or physical location): **Land Use and Planning Office at Casa Alcaldía #49 Calle Betances, Cabo Rojo. Revised SWMP will be published in municipal webpage by July 2017.**

4. Mailing Address:

a. Street: **PO Box 1308**

b. City: **Cabo Rojo** State: **PR** Zip Code: **00623-4023**

5. Telephone Number: **(787) 851-1025**

6. E-mail: **lrodriguez@caborojopr.net**



**1.3.3 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

**1.3.4 PART D. MAP/BOUNDARIES**

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

The Municipality of Cabo Rojo has a territorial extension of 72 square miles and a population of 50,917 inhabitants, according to the 2010 Census. The Municipality of Cabo Rojo is located in the southwestern corner of the island of Puerto Rico, on the Western Coastal Plains. It is bounded to the north with the Municipalities of Mayagüez and Hormigueros, to the east with the Municipalities of San Germán and Lajas, to the south with the Caribbean Sea and to the west with the Mona Passage. Cabo Rojo's terrain is plain, however some notable peaks are Mariquita, Buena Vista, Vargas, and Peñones de Melones.

The municipality is spread over 9 barrios/wards: Cabo Rojo Pueblo, Bajura, Boquerón, Guanajibo, Llanos Costa, Llanos Tuna, Miradero, Monte Grande and Pedernales, all of which partially or completely fall under the "urbanized areas".

The Autonomous Municipality of Cabo Rojo Storm Water Sewer System (MS4) in the urban areas, in general, consists of a series of catch basins, typically located within the right-of-way of municipal and state Commonwealth roads, interconnected by underground concrete which normally discharge to intermittent creeks and canals which eventually discharge to the Caribbean Sea and the Mona Passage. In the rural areas, the MS4 typically consists of a series of interconnected open channel culverts, which run parallel to municipal and state Commonwealth roads, and usually discharge to a surface water body. Interconnected to the MS4 are the storm water sewer systems owned and operated by the Puerto Rico Department of Transportation and Public Works.

Also, interconnected to the MS4 are the discharges from NPDES (Stormwater) permitted facilities.

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

**1.3.5 PART E. MS4 INFRASTRUCTURE**

1. Estimated Percent of Outfall Map Complete? (*Part 4.2.3 of 2006 general permit*):  
**100% outfall map complete**

a. If 100% of 2006 requirements are not met, enter an estimated date of completion:  
**N/A**

b. Web address where MS4 map is published: **www.caborojo.pr.net** and it is also  
**attached in Appendix A**

**1.3.6 PART F. BYLAW/ORDINANCE DEVELOPMENT**

1. Illicit Discharge Detection and Elimination (IDDE) authority adopted?

✓ Yes ☐ No

a. Effective Date or Estimated Date of Adoption: **July 15, 2016**

2. Construction/Erosion and Sediment Control authority adopted?

✓ Yes ☐ No

a. Effective Date or Estimated Date of Adoption: **July 15, 2016**

3. Post-Construction Stormwater Management adopted?

✓ Yes ☐ No

a. Effective Date or Estimated Date of Adoption: **July 15, 2016**

**1.3.7 PART G. RECEIVING WATERS**

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)
<b>Area Pantanosa Joyuda</b>	<b>9</b>	<b>No</b>	<b>None</b>	<b>None</b>
<b>Bahía Boquerón</b>	<b>5</b>	<b>No</b>	<b>None</b>	<b>None</b>
<b>Bahía Puerto Real</b>	<b>15</b>	<b>No</b>	<b>None</b>	<b>None</b>
<b>Canal Conde Avila</b>	<b>3</b>	<b>No</b>	<b>None</b>	<b>None</b>
<b>Canal La Concepción</b>	<b>19</b>	<b>No</b>	<b>None</b>	<b>None</b>

Canal La Pileta	33	No	None	None
Canal Parcelas Boquerón	24	No	None	None
Canal Refugio de Aves	36	No	None	None
Laguna Fraternidad	5	No	None	None
Mar Caribe	6	No	None	None
Quebrada Boquerón	5	No	None	None
Quebrada La Piedra	10	No	None	None
Quebrada Las Piñas	4	No	None	None
Quebrada Las Tunas	6	No	None	None
Quebrada Los Chorros	4	No	None	None
Quebrada Los Pajaritos	10	No	None	None
Quebrada Mendoza	26	No	None	None
Quebrada Monte Grande	4	No	None	None
Quebrada Puerto Real	11	No	None	None
Quebrada Vega Alegre	7	No	None	None
Río Guanajibo	1	No	Total Coliforms and Turbidity	Total Coliforms

**1.3.8 PART H. SUMMARY OF STORMWATER MANAGEMENT PROGRAM (SWMP) UNDER THE 2006 SMALL MS4 GENERAL PERMIT**

BMP Description	Goal Achieved? (Yes/No)	Continued in next permit cycle? (Yes/No)	Who was the targeted audience? Explain reason for not achieving goal.	Modification to goals or BMP for next permit cycle
<b>MCM1: PUBLIC EDUCATION</b>				
<b>BMP 1- Storm Water Educational Materials</b>	No	Yes	General Public  Goal was not reached due to lack of personnel and resources.	No
<b>BMP-2 Stormwater Educational Workshops</b>	No	Yes	General Public  Goal was not reached due to lack of personnel and resources.	No
<b>BMP-3 Industrial Parks Workshops</b>	No	Yes	Industry  Goal was not reached due to lack of personnel and resources.	This BMP will be eliminated, a public education program will be developed to include the industry audience.
<b>BMP-4 Educational Website</b>	No	Yes	General Public  Goal was not reached due to lack of personnel and resources.	No
<b>BMP-5 Reporting Stormwater Incidents</b>	No	Yes	General Public  Goal was not reached due to lack of personnel and resources.	Hotline will be developed as part of the Public Participation Program.

BMP Description	Goal Achieved? (Yes/No)	Continued in next permit cycle? (Yes/No)	Who was the targeted audience? Explain reason for not achieving goal.	Modification to goals or BMP for next permit cycle
<b>MCM2: PUBLIC INVOLVEMENT</b>				
<b>BMP-1 Community and Group Stormwater Program Involvement Meetings</b>	No	No	General Public and School Aged Children  Goal was not reached due to lack of personnel and resources.	This BMP will be eliminated, the Municipality will continue to support local organizations and initiatives such as the Annual Beach Cleanup hosted by Scuba Dogs.
<b>BMP-2 Develop and Conduct Periodical "Focus Groups" Meetings</b>	No	Yes	General Public  Goal was not reached due to lack of personnel and resources.	No
<b>BMP-3 Conduct Public Hearing on Stormwater Issues</b>	No	Yes	General Public  Goal was not reached due to lack of personnel and resources.	No
<b>MCM3: ILLICIT DISCHARGE DETECTION AND ELIMINATION</b>				
<b>BMP -1 Create Municipal Ordinance for Detection and Elimination of Illegal Discharges</b>	Yes	No	General Public	No
<b>BMP-2 Develop Storm Sewer System Map</b>	Yes	Yes	General Public	Map shall include elements required in the GP-2016 Sec. 2.4.4.6
<b>BMP-3 Develop an Inspection and Enforcement Program</b>	No	Yes	General Public Goal was not reached due to lack of personnel and resources.	The Municipality will develop an IDDE Program according to requirements in GP-2016 sec. 2.4.4.8

BMP Description	Goal Achieved? (Yes/No)	Continued in next permit cycle? (Yes/No)	Who was the targeted audience? Explain reason for not achieving goal.	Modification to goals or BMP for next permit cycle
<b>MCM 4: CONSTRUCTION</b>				
<b>BMP-1 Ordinance or Other Regulatory Mechanism</b>	<b>Yes</b>	<b>Yes</b>	<b>Designers Developers Contractors Inspectors Enforcement personnel</b>	<b>No</b>
<b>BMP-2 Develop procedures for review of required control measures and reports</b>	<b>No</b>	<b>Yes</b>	<b>Designers Developers Contractors Inspectors Enforcement personnel</b>  <b>Goal was not reached due to lack of personnel and resources.</b>	<b>No</b>
<b>BMP-3 Construction Site Inspections</b>	<b>No</b>	<b>Yes</b>	<b>Designers Developers Contractors Inspectors Enforcement personnel</b>  <b>Goal was not reached due to lack of personnel and resources.</b>	<b>No</b>
<b>BMP-4 Procedures for the receipt and consideration of information submitted by the public</b>	<b>No</b>	<b>Yes</b>	<b>Designers Developers Contractors Inspectors Enforcement personnel</b>  <b>Goal was not reached due to</b>	<b>No</b>

BMP Description	Goal Achieved? (Yes/No)	Continued in next permit cycle? (Yes/No)	Who was the targeted audience? Explain reason for not achieving goal.	Modification to goals or BMP for next permit cycle
			<b>lack of personnel and resources.</b>	
<b>MCM 5: POST-CONSTRUCTION</b>				
<b>BMP-1 Ordinance or Other Regulatory Mechanism</b>	<b>Yes</b>	<b>Yes</b>	<b>Designers Developers Contractors Inspectors Enforcement personnel</b>	<b>No</b>
<b>BMP-2 Inspection Program and Inventory of Structural Runoff Controls</b>	<b>No</b>	<b>Yes</b>	<b>Designers Developers Contractors Inspectors Enforcement personnel</b>  <b>The Municipality has not achieved its goal because it is evaluating mechanisms to implement this BMP.</b>	<b>No</b>
<b>MCM 6: POLLUTION PREVENTION (GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS)</b>				
<b>BMP-1 Employee Trainings</b>	<b>No</b>	<b>Yes</b>	<b>Municipal employee</b>  <b>Goal was not reached due to lack of personnel and resources.</b>	<b>No</b>
<b>BMP-2 Municipal Facilities Inspections</b>	<b>No</b>	<b>Yes</b>	<b>Businesses Municipal employee Municipal employee</b>	<b>This BMP will be part of O&amp;M Programs and SWPPPs developed for facilities.</b>

BMP Description	Goal Achieved? (Yes/No)	Continued in next permit cycle? (Yes/No)	Who was the targeted audience? Explain reason for not achieving goal.	Modification to goals or BMP for next permit cycle
			<b>Goal was not reached due to lack of personnel and resources.</b>	
<b>BMP-3 Stormwater System Cleaning and Recordkeeping</b>	<b>Yes</b>	<b>Yes</b>	<b>Municipal employee</b>	<b>This BMP will be part of MS4 Infrastructure O&amp;M Program.</b>

### 1.3.9 PART I. 2016 STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY

#### 1.3.9.1 PUBLIC EDUCATION AND OUTREACH

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.)
<b>Distribution of Educational Material related to storm water management</b>	<b>Illicit Discharges Pet Waste Vehicle Maintenance and Washing Septic System Maintenance</b>	<b>Brochures, newsletters, flyers and posters available through the Municipal webpage</b>	<b>Number of downloaded materials</b>
<b>Stormwater related Public Service Announcements</b>	<b>Erosion and Sediment Control Waste Management Septic System Maintenance Storm Sewer System Maintenance</b>	<b>Public Service Announcements transmitted through local radio station</b>	<b>Number of announcements transmitted per month.</b>
<b>Educational Outreach with Schools</b>	<b>Stormwater issues and recommended BMPs</b>	<b>Environmental activities conducted with schools and educational materials developed for school aged children.</b>	<b>Number of schools and children that participated and received information regarding stormwater topics.</b>



**1.3.9.2 PUBLIC INVOLVEMENT**

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.)
<b>Annual Clean-up</b>	<b>The Annual Beach Clean-up takes place once a year with the participation of community volunteers, Scuba Dogs Society and the Municipality.</b>	<b>The amount of volunteers and waste collected will determine program effectiveness.</b>
<b>Environmental Complaint Hotline</b>	<b>Environmental Complaints will be received and investigated by the Citizens Service Office. A complaint form will also be available through the Municipal webpage.</b>	<b>The amount of complaints received and resolved</b>
<b>Annual Public Meeting</b>	<b>The Municipality will hold an annual meeting to allow the public to participate in the review and implementation of the SWMP</b>	<b>The number of people attending the meetings</b>

**1.3.9.3 ILLICIT DISCHARGE DETECTION AND ELIMINATION**

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.)
<b>Storm Sewer System Map</b>	<b>The Map will include elements required in section 2.4.4.6 (a)(i) of GP-2016.</b>	<b>The measurable goal will be met once the Map is completed in its entirety.</b>
<b>Implement Regulations to Enforce Non-stormwater Discharges</b>	<b>Existing Ordinance will be revised and continue to be implemented.</b>	<b>Number of Illicit Discharges detected and eliminated</b>

<b>Program to Detect, Identify and Eliminate Illegal Discharges</b>	<b>The Program shall include all requirements in Sec 2.4.4.8 of GP-2016, including catchment priority ranking, investigation and sampling procedures.</b>	<b>Number of Illicit Discharges detected and eliminated</b>
<b>Outfall Inventory</b>	<b>All outfalls will be identified and inspected according to Sec 2.4.4.7 of GP-2016.</b>	<b>Number or of outfalls identified and inspected</b>
<b>Program to Detect and Eliminate Sanitary Overflows</b>	<b>SSOs will be inspected and eliminated according to Sec 2.4.4.4 of GP-2016.</b>	<b>Number of SSOs identified and eliminated</b>

#### 1.3.9.4 CONSTRUCTION SITE STORMWATER RUNOFF CONTROL

<b>BMP Description or BMP ID (e.g. MCM-1)</b>	<b>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.)</b>	<b>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.)</b>
<b>Ordinance or Other Regulatory Mechanism</b>	<b>The Municipality will continue to implement municipal ordinance requiring erosion and sedimentation controls for polluted runoff from construction sites with a land disturbance of greater than or equal to one acre (4,046.8564 square meters) or if the construction activity disturbs less than one acre but is part of a larger common plan of development or sale that would disturb one acre or more.</b>	<b>The number of regulatory mechanisms created and the number of penalties imposed.</b>
<b>General Construction Site Waste Controls</b>	<b>To comply with this BMP, the Municipality developed an ordinance for storm water runoff control at construction sites. The inspection staff will conduct the construction site waste controls inspection and follow up on the correction of deficiencies encountered during the</b>	<b>Number of erosion control projects reviewed.  Number of inspections conducted.</b>

	<p>inspections.</p> <p>For the implementation of this municipal ordinance, the Municipality developed a Standard Operating Procedure (SOP) for the inspection of construction projects. The SOP establishes on detail the inspection process that will be followed by municipal employees to ensure the compliance with this BMP.</p> <p>The implementation includes trainings to inspection staff and construction related professionals.</p>	
Information Submitted by the Public	The Municipality developed a Standard Operating Procedure (SOP) for processing complaints regarding storm water contamination at construction sites, an Inspection Form and Database.	Number of reports received.
Construction Site Inspection and Enforcement	The Municipality developed a Standard Operating Procedure (SOP) and Forms for the inspection of construction sites. The SOP establishes in detail the inspection process that will be followed by municipal employees to ensure the compliance with the SWPPP, CES Plan and the Construction Site Waste Controls.	Number of inspections conducted.

#### 1.3.9.5 POST-CONSTRUCTION STORMWATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT

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	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
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	contractors to use Low Impact Development (LID), etc.)	capacity building resources, etc.)
<b>Ordinances or Other Regulatory Mechanisms</b>	<p>The Municipality will develop a regulatory mechanism for the implementation of the Operation and Maintenance Post Construction BMP's Program for new development or redevelopments. The goal of this storm water management ordinance for post-construction runoff is to limit surface runoff volumes and reduce water runoff pollutant loadings.</p> <p>The ordinance will establish mechanisms to ensure compliance with the post construction operation and maintenance BMP's, including the sanctions and enforcement mechanisms. The possible sanctions will include non-monetary penalties (such a stop work orders) and/or fines up to \$500 per violation per day.</p> <p>The implementation will include trainings to inspection staff, developers, contractors, designers and construction related professionals. The training would include classroom presentations, in-field training, and follow-up evaluations to determine whether the training was effective. The trainings will be offered at least once a year.</p>	<p>The development of the municipal ordinance and approval of the municipal ordinance by the Municipal Legislature and Mayor;</p> <p>The development of SOP for the review and inspection of O&amp;M Plans;</p> <p>The implementation of the SOP for the review and inspection of O&amp;M Plans; and</p> <p>Number of attendees to the training of municipal employees and construction related professionals.</p>
<b>Structural and Non-Structural BMPs Guide</b>	The Municipality will develop a guide to promote the use of structural and non-structural BMPs on new developments and redevelopments.	<p>The number of structural and non- structural BMPs used;</p> <p>The number of educational materials distributed through mailing lists; and</p>

	<p>The implementation will include trainings to inspection staff, developers, contractors, designers and construction related professionals. The training would include classroom presentations, in-field training, and follow-up evaluations to determine whether the training was effective.</p>	<p>The number of BMPs installed to manage runoff Post Construction.</p>
<p><b>Inspection and Maintenance Program</b></p>	<p>The Municipality will develop an inspection and maintenance program to maintain the effectiveness of post-construction storm water control BMP's. All BMP's shall be inspected for continued effectiveness and structural integrity at regular inspection intervals. The inspector shall document whether the BMP is working correctly, any damage to the BMP since the last inspection, and any repairs to the BMP if damage has occurred.</p> <p>A municipal ordinance and an standard operating procedure (SOP) will be developed for the implementation of the Operation and Maintenance Post Construction BMPs Program for new development or redevelopments.</p> <p>The developer or contractor shall include an Operation &amp; Maintenance (O&amp;M) plan, with the approved maintenance agreement, which describes the designated responsible party to manage the storm water BMP(s), maintenance frequency, routine service schedule, specific maintenance activities and any other necessary activities.</p>	<p>The number of agreements approved for Post Construction BMP's; and</p> <p>The number of inspections conducted by municipal employees on Post Construction BMP's.</p>

## 1.3.9.6 GOOD HOUSEKEEPING AND POLLUTION PREVENTION IN MUNICIPAL OPERATIONS

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.)
<b>Materials Management Program</b>	<p><b>The Municipality will develop procedures for responsibly managing chemicals, such as fertilizers, solvents, paints, cleaners, and automotive products. In addition, the Municipality will develop procedures for the use of alternative products that will prevent their hazardous counterparts from being disposed of improperly and contaminating storm water.</b></p> <p><b>This program will include practices for managing materials by improving the maintenance of machinery, establishing material storage and inventory controls, improving routine cleaning and inspection of facilities where materials and wastes are stored or processed, maintaining organized workplaces, and educating employees.</b></p>	<p><b>The number of facilities storing hazardous materials or wastes;</b></p> <p><b>The frequency of inspection and maintenance visits to storage facilities;</b></p> <p><b>The number of personnel trained in hazardous material and waste handling and storage; and</b></p> <p><b>The amount of hazardous waste generated by municipal operations.</b></p>
<b>Operations and Maintenance (O &amp; M) Programs</b>	<p><b>The municipality will develop an inventory of all facilities and review this inventory annually and update as necessary. In addition, the municipality will develop written operations and maintenance procedures for the municipal activities listed below:</b></p>	<p><b>Inventory of municipal facilities;</b></p> <p><b>The number of operation and maintenance procedures developed;</b></p> <p><b>The frequency of inspection and maintenance visits to facilities;</b></p>

	<p><b>Parks and open spaces-</b>  Develop procedures to address the proper use, storage, and disposal of pesticides, herbicides, fertilizers, lawn clippings and other vegetative waste.  Develop procedures for management of trash containers at parks and for placing signage in areas concerning the proper disposal of pet wastes.</p> <p><b>Buildings and facilities where pollutants are exposed to stormwater runoff-</b>  Develop procedures for the use, storage, and disposal of petroleum products and other potential stormwater pollutants  Develop management procedures for dumpsters and other waste management equipment.  Develop SPCC Plans where applicable.</p> <p><b>Vehicles and Equipment-</b>  Develop procedures for the storage and maintenance of municipal vehicles.  Develop procedures for fueling areas  Develop procedures to ensure that vehicle wash waters are not discharged to the municipal storm sewer system or to surface waters.</p> <p><b>Infrastructure Operations and Maintenance-</b>  Develop a program detailing the</p>	<p>The number of personnel trained O &amp; M procedures; and</p> <p>The number of educational materials distributed to municipal employees with information of O &amp; M procedures.</p>
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	<p>activities and procedures to maintain MS4 infrastructure to reduce the discharge of pollutants from the MS4</p> <p>Develop schedule for the frequency of routine cleaning and inspections that will ensure that no catch basin at anytime will be more than 50 percent full.</p> <p>Develop procedures for sweeping and/or cleaning streets, and municipal-owned parking lots.</p> <p>Develop procedures for proper storage and disposal of catch basin cleanings and street sweepings to ensure it does not discharge to receiving waters.</p>	
<b>Spill Response and Prevention Program</b>	<p>The Municipality shall develop procedures for spill response and prevention plans that shall state how to stop, contain, cleanup, dispose of contaminated materials, and train personnel to prevent and control future spills. This plan shall be applicable to all sites where hazardous materials are stored or used.</p> <p>Municipal employees will be train at least once a year about spill response and prevention techniques. Records of the trainings offered to employees will be retained for a period of 5 years.</p>	<p>Inventory of municipal facilities at risk for spills;</p> <p>The number of preventative maintenance procedures performed on tanks, valves, pumps, pipes, and other equipment;</p> <p>Development of a spill response plan for municipal facilities;</p> <p>The number of personnel trained in spill response and prevention techniques; and</p> <p>The number of educational materials distributed to municipal employees with information of spill response and prevention plans.</p>
<b>Staff Training Program</b>	<p>The Municipality will develop a training and educational component of the operations and maintenance program designed to reduce pollutant runoff from</p>	<p>The number of personnel trained in spills response and prevention techniques, good housekeeping practices and materials and waste management (hazardous and non-hazardous).</p>



	<p>municipal operations.</p> <p>Municipal employees who are directly involved in potentially polluting activities such as materials management would receive both general stormwater and targeted BMP training tailored to their activities. This will increase the likelihood that receiving waters and the storm drain system will be protected from inadvertent discharges and spills.</p> <p>The trainings will be provided at the field and at least once a year, it will train municipal employees on good housekeeping practices, spill response and prevention techniques and material management of hazardous and non-hazardous substances. The training will be mandatory for all municipal employees. Supervision is essential for the success of this minimum control measure.</p>	
Stormwater Pollution Prevention Programs (SWPPP)	<p>Develop and fully implement a SWPPP for the following municipality-owned or operated facilities: maintenance garages, public works yards, transfer stations, and other waste handling facilities where pollutants are exposed to stormwater. SWPPPs shall include all elements required in Part 2.4.7.2 (b)(i-vi) of GP-2016.</p>	<p>Inventory of municipal facilities that require SWPPP;</p> <p>Development of SWPPP for municipal facilities;</p> <p>The frequency of inspections visits at municipal facilities;</p> <p>The number of personnel trained in SWPPP; and</p> <p>The number of educational materials distributed to municipal employees with information of spill response and prevention plans.</p>

**1.3.10 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:

Hon. Roberto Ramírez Kurtz

Print Name of Mayor/Elected Official:

Title: Mayor of Cabo Rojo

Date:

9/27/16

## **APPENDIX A – MAPS**



Figure 1  
Urbanized Areas  
Notice of Intent - NPDES MS4 PRR040000  
Municipality of Cabo Rojo

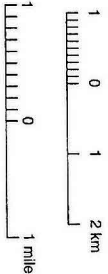


**Legend**

- Urbanized Areas (U.S. Census 2010)
- Urbanized Areas
- Wards
- Waterbodies
- Municipality
- Cabo Rojo

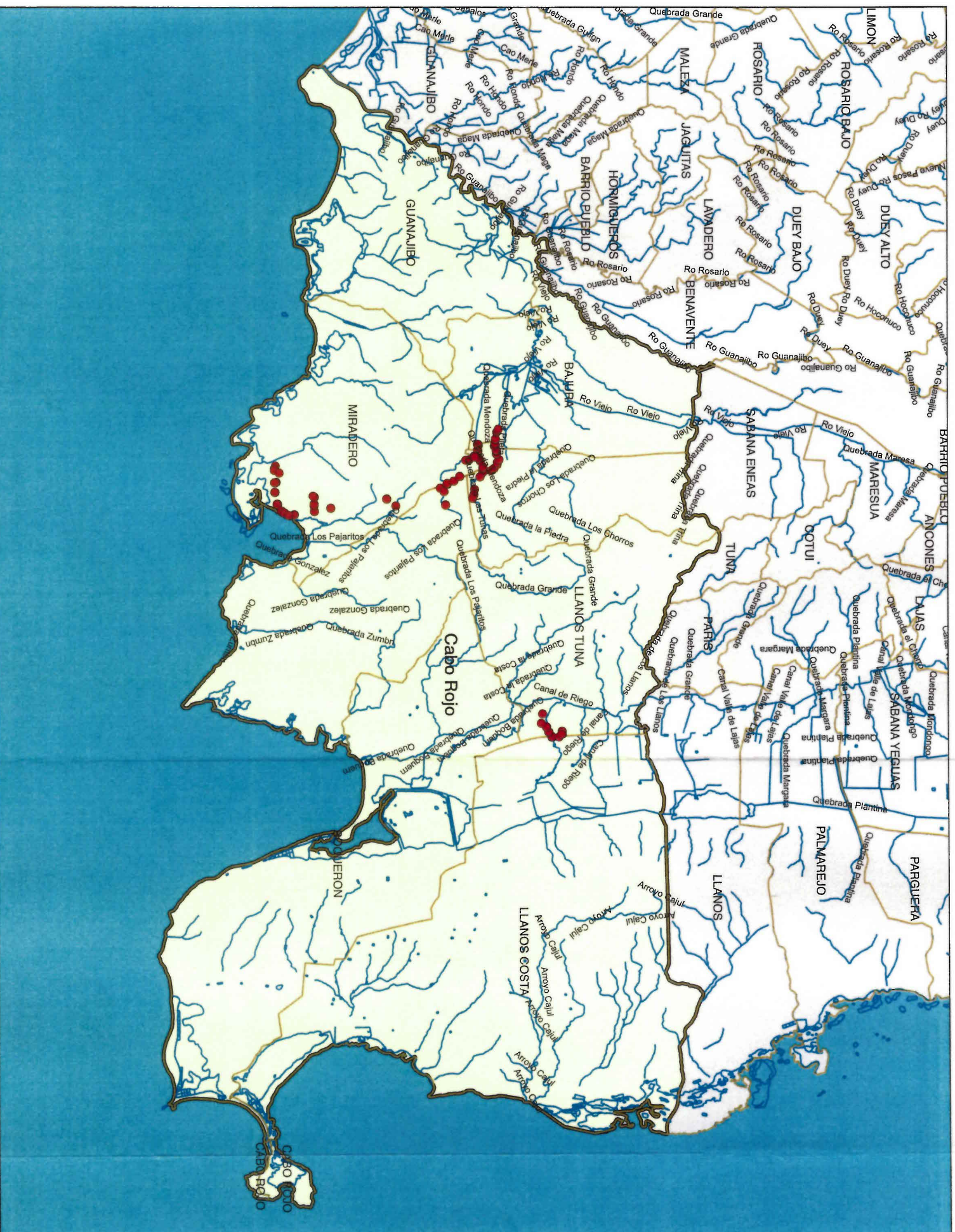
Source:  
US Census Bureau TIGER data, 2010 Census

Projection:  
State Plane Coordinate System - Puerto Rico  
Horizontal Datum - NAD83






**Figure 2**  
**Outfalls Location Map**  
**Notice of Intent - NPDES MS4 PRRO40000**  
**Municipality of Cabo Rojo**

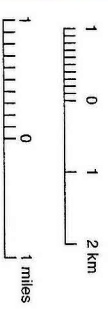


### Legend

-  Outfalls  
 Wards  
 Waterbodies  
 Municipality  
 Cabo Rojo

Source:  
US Census Bureau TIGER data, 2010 Census

Projection:  
State Plane Coordinate System - Puerto Rico  
Horizontal Datum - NAD83



## **APPENDIX B – ELIGIBILITY DETERMINATION**





## United States Department of the Interior



### FISH AND WILDLIFE SERVICE

Caribbean Ecological Services

Field Office

P.O. Box 491

Boqueron, PR 00622

In Reply Refer To:  
FWS/R4/CESFO/72-023-GEN

JUL 27 2016

Mrs. Keila Pacheco  
Consultant  
ACE Environmental, Inc.  
Po Box 19895  
San Juan, Puerto Rico 00910-9895

Re: Cabo Rojo NPDES MS4-2014  
Permit

Dear Mrs. Pacheco:

We have reviewed your request for information about endangered and threatened species and their habitats for the above referenced project. Our comments are provided under the Endangered Species Act (Act) of 1973, as amended (87 Stat. 884, as amended; 16 United States Code 1531 et seq.).

The Municipality of Cabo Rojo, Puerto Rico is requesting coverage under the 2014 NPDES (National Pollutant Discharge Elimination System) General Permit for the MS4 (Municipal Separate Storm Sewer System). The MS4 collected storm water discharge into the Cabo Rojo coast.

Based on the information provided and the nature of the permit we believe that the storm water discharge is not likely to adversely affect federally listed threatened or endangered species or their designated critical habitat(s) under our purview. Therefore, no further consultation is required. Nevertheless, if the project is modified or if information on impacts to listed species becomes available this office should be contacted concerning the need for the initiation of consultation under section 7 of the Act.

Sincerely yours,

  
Edwin E. Muñiz  
Field Supervisor

agcs

cc  
Municipality of Cabo Rojo  
EPA, San Juan



ESTADO LIBRE ASOCIADO DE PUERTO RICO  
**Municipio Autónomo de Cabo Rojo**  
**Oficina de Ordenamiento Territorial**

**CERTIFICATION**

The Autonomous Municipality of Cabo Rojo is currently in the process of requesting coverage under the 2014 NPDES (National Pollutant Discharge Elimination System) General Permit for MS4 (Municipal Separate Storm Sewer System). As such, it must determine its eligibility with regard to the protection of historic properties prior to submitting a notice of intent (NOI) for permit coverage.

The Municipality of Cabo Rojo does not have any stormwater infrastructure projects planned within the Area of Potential Effects (APE) of the historic properties or properties eligible for listing in the National Register of Historic Places. The Municipality is therefore determining eligibility under Criterion A: "There is no potential of an adverse effect on historic properties because there will be no new ground disturbing control measures constructed or installed."

If any municipal infrastructure projects were to take place that could affect any of the above mentioned properties the Municipality will request a consultation under Section 106 of the National Historic Preservation Act (NHPA).

Signature

Date

Luis R. Rodriguez

Director, Land Use Planning Office