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

Submitted By:



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MUNICIPALITY OF AGUADILLA
PO Box 1008
Aguadilla, PR 00603

Submitted to:

U.S. ENVIRONMENTAL PROTECTION AGENCY – REGION II
CARIBBEAN ENVIRONMENTAL PROTECTION DIVISION
CITY VIEW PLAZA, SUITE 7000
#48 165 RD KM 1.2
GUAYNABO, PUERTO RICO 00968

September 28, 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 U. S. Bureau of the Census.

As outlined in these regulations the Autonomous Municipality of Aguadilla was required to submit an application for permit coverage as well as a Storm Water Management Plan (SWMP). On February 5, 2007 the Municipality submitted a Notice of Intent (NOI) seeking permit coverage. The EPA issued coverage under Permit Number PRR040015 on March 14, 2007. The Municipality developed and submitted its SWMP on August 2007. The Municipality is currently on Year 9 of its SWMP 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 Aguadilla**

2. Type: Federal State ☒ Municipality Other:

3. Existing Permittee: ☒ Yes No

If yes, provide EPA NPDES Permit Number: **PRR040015**

4. Location Address:

a. Street: **Casa Alcaldia, Avenida San Carlos**

b. City: **Aguadilla** State: **PR** Zip Code: **00605**

5. Mailing Address:

a. Street: **P.O. Box 1008**

b. City: **Aguadilla** State: **PR** Zip Code: **00605**

6. Telephone Number: **(787) 891-1005** Fax: **(787) 882-5435**

7. E-mail: **eroldan@aguadilla.onmicrosoft.com**

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

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

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

1.3.2 PART B. PRIMARY MS4 PROGRAM MANAGER CONTACT INFORMATION

1. Name: **Elvin Roldan**

2. Position Title: **Environmental Compliance Director**

3. Stormwater Management Program (SWMP) Location (web address or physical location):
**Environmental Compliance Office, Planning Department, Avenida San Carlos,
Aguadilla City Hall 3rd Floor**

4. Mailing Address:

a. Street: **PO Box 1008**

b. City: **Aguadilla** State: **PR** Zip Code: **00605**

5. Telephone Number: **(787) 891-1005 Ext. 2097**

6. E-mail: **eroldan@aguadilla.onmicrosoft.com**



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 Autonomous Municipality of Aguadilla has a territorial extension of 94.8 square kilometers and a population of 60,949 inhabitants¹, according to the 2010 Census. Aguadilla is located in the Northwest of the Island of Puerto Rico and is bounded to the north and west with the Atlantic Ocean, to the east with the Municipalities of Isabela and Moca, to the south with the Municipality of Aguada. It has an ample seashore that runs from the Culebrinas River in the south forming an arch up to Quebrada Los Cedros in the north that limits the boundaries with Isabela. The topography is mostly level as it is part of the Coastal Plains of the West, and there is one river, Chiquito River also known as "El Parterre".

The municipality is composed of the urban zone, Barrio Pueblo and 15 wards, Aguacate, Arenales, Borinquen, Caimital Alto, Caimital Bajo, Camaseyes, Ceiba Alta, Ceiba Baja, Corrales, Guerrero, Maleza Alta, Maleza Baja, Montaña, Palmar and Victoria.

Barrio Pueblo locates at sea level, while the remaining of the territory locates over a plateau that forms the western portion of the Jaicoa Chain of Mountains. Other urban centers are located at the former Ramey Air Force Base. The main access to Aguadilla is through State Road PR-2, which runs southeast side of the Municipality.

The Autonomous Municipality of Aguadilla operates a municipal separate storm water sewer system (MS4), which includes the old urban area, urban centers located at the former Ramey Field and rural areas within the municipality.

The Autonomous Municipality of Aguadilla MS4 in the urban areas, in general, consists of a series of catch basins, typically located within the right-of-way of

¹ Based Census 2010 Population, Housing Units, Area, and Density Summary, Aguadilla, Puerto Rico, [Http://www.censo.gobierno.pr](http://www.censo.gobierno.pr)



municipal and Commonwealth roads, interconnected by underground concrete or PVC pipes which normally discharge to the Atlantic Ocean and surface water bodies. In the rural areas, the MS4 typically consists of a series of interconnected open channel culverts, which run parallel to municipal and Commonwealth roads, and usually discharge to a surface water body or via laminar flow to land. Interconnected to the Municipal MS4s system are the storm water sewer systems owned and operated by the Puerto Rico Department of Transportation and Public Works. Also, interconnected to the Municipal MS4s system 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: **Included in Appendix A-pending to be published in webpage once Municipal webpage is developed, estimated to be after the 2016 elections.**

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: **August 24, 2011**
2. Construction/Erosion and Sediment Control authority adopted?
☒ Yes ☐ No
 - a. Effective Date or Estimated Date of Adoption: **August 24, 2011**
3. Post-Construction Stormwater Management adopted?
☒ Yes ☐ No
 - a. Effective Date or Estimated Date of Adoption: **October 2017**

**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)
Bahía de Aguadilla	25	no	none	none
Océano Atlántico	10	no	none	none
Quebrada Las Hernández	15	no	none	none
Caño Madre Vieja	11	no	none	none
Caño Cacula	6	no	none	none
Canal Palmar	12	No	None	none



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
MCM1 : PUBLIC EDUCATION				
BMP-1 Storm Water Related Public Service Announcements	Yes	Yes	General Public	No
BMP-2 Educational Involvement/ Partnership/ Outreach with Schools	No	No	School children Goal was not reached due to lack of personnel and resources.	Schools will be reached through a yearly activity where all schools will be invited.
BMP-3 Educational Outreach to Community Homeowners on Lawn Care	No	No	Property Owners Lawn and Landscaping Businesses Green Area Maintenance employees Progress was made toward implementing this BMP, municipal employees received training regarding landscaping BMPs, but home owners and business did not assist. Therefore, educational material will continue to be available through the municipal	This BMP will be eliminated. However, educational material will continue to be available through the Municipal Web page.



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
			webpage.	
BMP-4 Development and Distribution of Storm Water Related Materials	Yes	Yes	General Public	No
BMP-5 Storm Water Web Page	Yes	Yes	General Public	No
BMP-6 Development of an Expanded Regional Interactive Storm Water Initiative by leading an annual meeting on SWMP with the participation of leaders of the region	No	No	General Public Goal was not reached due to lack of personnel and resources.	This BMP will be eliminated and will be substituted with the municipal webpage.
BMP-7 Storm Water Pamphlets, Booklets and Flyers	Yes	Yes	General Public	No



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
MCM2: PUBLIC INVOLVEMENT				
BMP-1 Storm drain Stenciling Program	No	No	General Public and School Aged Children Goal was not reached due to lack of personnel and resources.	This BMP will be eliminated, and will be substituted by supporting local organizations and initiatives such as the Annual Beach Cleanup hosted by Scuba Dogs.
BMP-2 Annual Cleanup	Yes	Yes	General Public	No
BMP-3 Support of Local Organizations	Yes	Yes	General Public	No
BMP-4 Attitude Survey	Yes	Yes	General Public	No
BMP-5 Community Hotline	Yes	Yes	General Public	No
MCM3: ILLICIT DISCHARGE DETECTION AND ELIMINATION				
BMP-1 Storm Sewer System Map	Yes	Yes	General Public	Map shall include elements required in the 2016 GP Sec. 2.4.4.6
BMP-2 Implement Regulations to Enforce Non-storm water Discharges	Yes	Yes	General Public	No
BMP-3 Educational Outreach	Yes	Yes	General Public	No



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
BMP-4 Program to Detect, Identify and Eliminate Illegal Discharges	No	Yes	General Public Progress has been made toward achieving this BMP but not all illicit discharges have been detected and eliminated.	The Municipality will develop an IDDE Program according to requirements in 2016 GP sec. 2.4.4.8
BMP-5 Program to Detect, Identify and Eliminate Illegal Solid Waste Dumping	Yes	Yes	General Public	No
BMP-6 Program to Detect, Identify and Eliminate Waste Water Connections to the Storm Drain System	No	Yes	General Public Progress has been made toward achieving this BMP but not all illicit discharges have been detected and eliminated.	The Municipality will develop an IDDE Program according to requirements in 2016 GP sec. 2.4.4.8
BMP-7 Program to Detect and Eliminate Sanitary Overflows	Yes	Yes	General Public	Documentation of SSOs will be according to requirements of 2016 GP.
BMP-8 Program to Detect and Eliminate Failing Septic Systems	No	No	General Public The Municipality does not offer the service of emptying septic systems. Therefore, the Municipality is not aware of failing septic systems. They have created an	The Municipality will focus on fixing any problems with their own septic systems and those reported through an environmental complaint.



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
MCM 4: CONSTRUCTION				
BMP-1 Ordinance or Other Regulatory Mechanism	Yes	Yes	Designers Developers Contractors Construction site operators Inspectors Enforcement personnel	No
BMP-2 General Construction Site Waste Controls	Yes	Yes	Designers Developers Contractors Construction site operators Inspectors Enforcement personnel	No
BMP-3 Information Submitted by the Public	Yes	Yes	Designers Developers Contractors Construction site operators Inspectors Enforcement personnel	No
BMP-4 Construction Site Inspection and Enforcement	Yes	Yes	Designers Developers Contractors Construction site operators Inspectors Enforcement personnel	No



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
MCM 5: POST-CONSTRUCTION				
BMP-1 Ordinance or Other Regulatory Mechanism	No	Yes	Designers Developers Contractors Construction site operators Inspectors Enforcement personnel The Municipality has not achieved its goal because it is evaluating mechanisms to implement this BMP.	No
BMP-2 Structural Practices	No	Yes	Designers Developers Contractors Construction site operators Inspectors Enforcement personnel	No
BMP-3 Non-structural Practices	No	Yes	Designers Developers Contractors Construction site operators Inspectors Enforcement personnel	No
BMP-4 Inspection of Operation and Maintenance Plans	No	Yes	Designers Developers Contractors Construction site operators Inspectors Enforcement personnel	No



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
			Inspectors Enforcement personnel	
MCM 6: POLLUTION PREVENTION (GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS)				
BMP-1 Source Control-Pet Waste Collection	No	Yes	General Public Policy development was evaluated but found to be not feasible; efforts will be focused on education.	This BMPs goal will be to educate the community regarding pet waste impacts on water quality.
BMP-2 Source Control-Outreach and training program directed at businesses and municipal fleets	Yes	Yes	Businesses Municipal employee Enforcement personnel	No
BMP-3 Source Control-Didactic Materials.	Yes	Yes	Businesses Municipal employee Enforcement personnel	No
BMP-4 Source Control-Impacts from Landscaping and Lawn Care Practices	No	No	Businesses Municipal employee Enforcement personnel Progress was made toward implementing this BMP, municipal employees received training regarding	This BMP will be part of the Parks and Open Spaces Operation and Maintenance 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
			landscaping BMPs, but home owners and business did not assist, there fore educational material will continue to be available through the municipal webpage.	
BMP-5 Source Control-Pest Management Practices	No	No	Businesses Municipal employee Enforcement personnel	This BMP will be part of the Parks and Open Spaces Operation and Maintenance Program.
BMP-6 Source Control-Pavement Cleaning Practices	Yes	Yes	Businesses Municipal employee Enforcement personnel	No
BMP-7 Roadway and Bridge Maintenance	Yes	Yes	Businesses Municipal employees Enforcement personnel	No
BMP-8 Source Control-Inspection and cleaning of storm drain system	Yes	Yes	Businesses Municipal employees Enforcement personnel	No
BMP-9 Materials Management- Alternative Products	Yes	Yes	Businesses Municipal employees Enforcement personnel	No
BMP-10 Materials Management- Storage	Yes	Yes	Businesses Municipal employees	No



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
of Hazardous materials			Enforcement personnel	
BMP-11 Materials Management-Procedures for spill response and prevention	Yes	Yes	Businesses Municipal employees Enforcement personnel	No
BMP-12 Materials Management-Oil Recycling	Yes	Yes	Businesses Municipal employees Enforcement personnel	No

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.)
Distribution of Educational Material related to storm water management	Illicit Discharges Pet Waste Vehicle Maintenance and Washing Septic System Maintenance	Brochures, newsletters, flyers and posters available through the Municipal webpage	Number of downloaded materials



Stormwater related Public Service Announcements	Erosion and Sediment Control Waste Management Septic System Maintenance Storm Sewer System Maintenance	Public Service Announcements transmitted through local radio station	Number of announcements transmitted per month.
Educational Outreach with Schools	Stormwater issues and recommended BMPs	Environmental Fair conducted once a year where all schools are invited to participate	Number of schools and children that participated and received information regarding stormwater topics.

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.)
Annual Clean-up	The Annual Clean-up takes place once a year with the participation of community volunteers, Scuba Dogs Society and the Municipality.	The amount of volunteers and waste collected will determine program effectiveness.
Environmental Complaint Hotline	Environmental Complaints will be received and investigated by the Municipal Office for Emergency Management and the Environmental Compliance Office. A complaint form will also be available through the Municipal webpage.	The amount of complaints received and resolved



Annual Public Meeting	The Municipality will hold an annual meeting to allow the public to participate in the review and implementation of the SWMP	The number of people attending the meetings
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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.)
Storm Sewer System Map	The Map will include elements required in section 2.4.4.6 (a)(i) of 2016 GP.	The measurable goal will be met once the Map is completed in its entirety.
Implement Regulations to Enforce Non-stormwater Discharges	Existing Ordinance will be revised and continue to be implemented.	Number of Illicit Discharges detected and eliminated
Program to Detect, Identify and Eliminate Illegal Discharges	The Program shall include all requirements in Sec 2.4.4.8 of 2016 GP, including catchment priority ranking, investigation and sampling procedures.	Number of Illicit Discharges detected and eliminated
Outfall Inventory	All outfalls will be identified and inspected according to Sec 2.4.4.7 of 2016 GP.	Number or of outfalls identified and inspected
Program to Detect and Eliminate Sanitary Overflows	SSOs will be inspected and eliminated according to Sec 2.4.4.4 of 2016 GP. A	Number of SSOs identified and eliminated



Memorandum of Agreement with PRASA will be developed and implemented.		
1.3.9.4 CONSTRUCTION SITE STORMWATER RUNOFF CONTROL		
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.)
Ordinance or Other Regulatory Mechanism	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.	The number of regulatory mechanisms created and the number of penalties imposed.
General Construction Site Waste Controls	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 inspections.	Number of erosion control projects reviewed. Number of inspections conducted.



	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. The implementation includes trainings to inspection staff and construction related professionals.	
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 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.)
Ordinances or Other Regulatory Mechanisms	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. 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. The implementation will include trainings to inspection staff, developers, contractors, designers and construction related	The development of the municipal ordinance and approval of the municipal ordinance by the Municipal Legislature and Mayor; The development of SOP for the review and inspection of O&M Plans; The implementation of the SOP for the review and inspection of O&M Plans; and Number of attendees to the training of municipal employees and construction related professionals.



	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.	
Structural and Non-Structural BMPs Guide	The Municipality will develop a guide to promote the use of structural and non-structural BMPs on new developments and redevelopments. 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 number of structural and non-structural BMPs used; The number of educational materials distributed through mailing lists; and The number of BMPs installed to manage runoff Post Construction.
Inspection and Maintenance Program	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 performed correctly, any damage to the BMP since the last inspection, and	The number of agreements approved for Post Construction BMP's; and The number of inspections conducted by municipal employees on Post Construction BMP's.



	any repairs to the BMP if damage has occurred. A municipal ordinance and a standard operating procedure (SOP) be will developed for the implementation of the Operation and Maintenance Post Construction BMP's Program for new development or redevelopments. The developer or contractor shall include an Operation & Maintenance (O&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.	
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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.)
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Materials Management Program	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. 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.	The number of facilities storing hazardous materials or wastes; The frequency of inspection and maintenance visits to storage facilities; The number of personnel trained in hazardous material and waste handling and storage; and The amount of hazardous waste generated by municipal operations.
Operations and Maintenance (O & M) Programs	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: a. Parks and open spaces- i. Develop procedures to address the proper use, storage, and disposal of pesticides, herbicides, fertilizers, lawn clippings and	Inventory of municipal facilities; The number of operation and maintenance procedures developed; The frequency of inspection and maintenance visits to facilities; The number of personnel trained O & M procedures; and The number of educational materials



	other vegetative waste. ii. Develop procedures for management of trash containers at parks and for placing signage in areas concerning the proper disposal of pet wastes. b. Buildings and facilities where pollutants are exposed to stormwater runoff- i. Develop procedures for the use, storage, and disposal of petroleum products and other potential stormwater pollutants ii. Develop management procedures for dumpsters and other waste management equipment. iii. Develop SPCC Plans where applicable. c. Vehicles and Equipment- i. Develop procedures for the storage and maintenance of municipal vehicles. ii. Develop procedures for fueling areas iii. Develop procedures to ensure that vehicle wash waters are not discharged to the municipal storm sewer system or to surface waters. d. Infrastructure Operations and Maintenance- i. Develop a program detailing the activities and procedures to maintain MS4 infrastructure to	distributed to municipal employees with information of O & M procedures.
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	reduce the discharge of pollutants from the MS4 ii. 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. iii. Develop procedures for sweeping and/or cleaning streets, and municipal-owned parking lots. iv. Develop procedures for proper storage and disposal of catch basin cleanings and street sweepings waste to ensure it does not discharge to receiving waters.	
Spill Response and Prevention Program	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. 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.	Inventory of municipal facilities at risk for spills; The number of preventative maintenance procedures performed on tanks, valves, pumps, pipes, and other equipment; Development of a spill response plan for municipal facilities; The number of personnel trained in spill response and prevention techniques; and The number of educational materials distributed to municipal employees with information of spill response and prevention plans.



Staff Training Program	The Municipality will develop a training and education component of the operations and maintenance program designed to reduce pollutant runoff from municipal operations. 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. 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.	The number of personnel trained in spills response and prevention techniques, good housekeeping practices and materials and waste management (hazardous and non-hazardous).
Stormwater Pollution Prevention Programs (SWPPP)	Develop and fully implement a SWPPP for the following municipality-owned or operated facilities: maintenance	Inventory of municipal facilities that require SWPPP;



	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 2016 GP.	Development of SWPPP for municipal facilities; The frequency of inspections visits at municipal facilities; The number of personnel trained in SWPPP; and The number of educational materials distributed to municipal employees with information of spill response and prevention plans.
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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. Carlos Méndez Martínez

Print Name of Mayor/Elected Official:

Title: **Mayor of Aguadilla**

Date:

9/23/16

APPENDIX A – MAPS

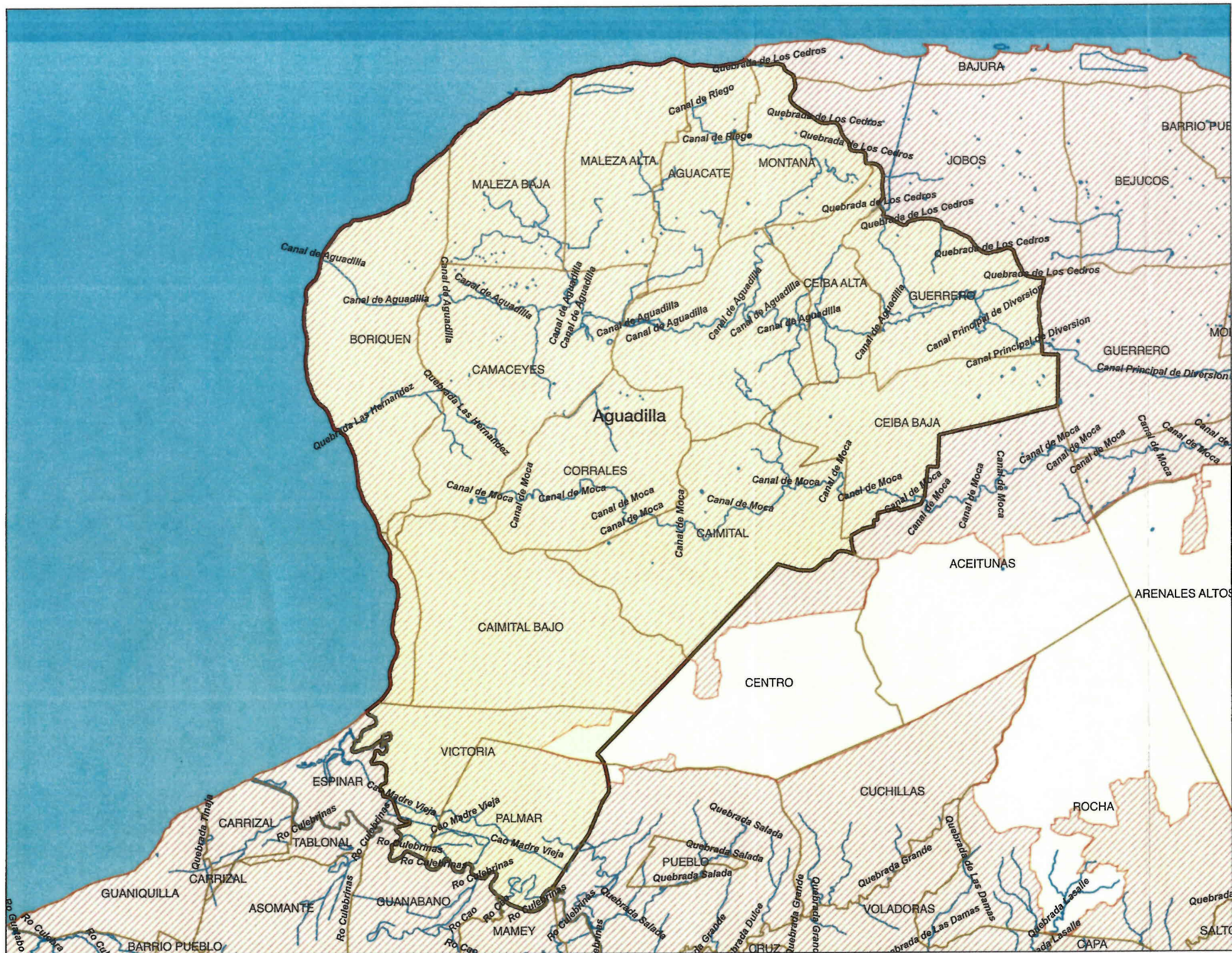
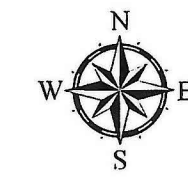


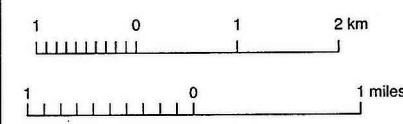
Figure 1
Urbanized Areas
Notice of Intent - NPDES MS4 PRR040000
Municipality of Aguadilla



- Legend**
- Urbanized Areas (U.S. Census 2010)
- Urbanized Areas
 - Wards
 - Waterbodies
- Municipality
- Aguadilla

Source:
US Census Bureau TIGER data, 2010 Census

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

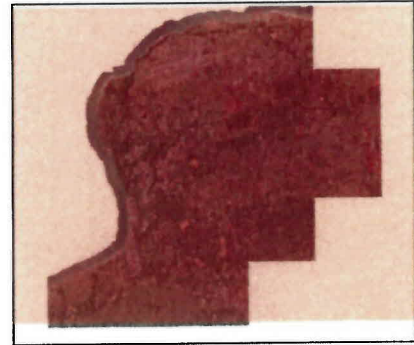




0.2 0 0.2 0.4 0.6 0.8 km

1:50,009

Nota General: Imprimir en papel ANSI B (11 x 17).
Fuentes: Municipio Autónomo de Aguadilla, USGS



Municipio Autónomo de
Aguadilla

Mapa de Desagües
(Outfalls)



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/72-005-GEN

JUL 27 2016

Mrs. Keila Pacheco

Consultant

ACE Environmental, Inc.

Po Box 19895

San Juan, Puerto Rico 00910-9895

Re: Aguadilla NPDES MS4-2014
Permit

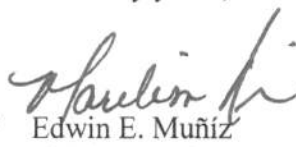
Dear Mrs. Pacheco:

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 Aguadilla, 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 Atlantic Ocean, the Madre Vieja creek and the Hernandez creek.

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,

for 
Edwin E. Muñiz
Field Supervisor

agcs

cc

Municipality of Aguadilla
EPA, San Juan



Office of
Urbanism and Land-Use + Economic
Development, Statistics and GIS

Certification

The Autonomous Municipality of Aguadilla 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 Aguadilla 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

9/12/16

Date

Plan. Manuel A.G. Hidalgo
Name

Director
Position