

MUNICIPALITY OF CATAÑO



NOTICE OF INTENT
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PHASE II, REGULATED SMALL MUNICIPAL
SEPARATE STORM SEWER SYSTEMS (MS4's)

INDIVIDUAL PERMIT

MUNICIPALITY OF CATAÑO

EPA REGION 2 PUERTO RICO

PREPARED BY
ECOSTAHLIA CONSULTORES AMBIENTALES
SAN JUAN, PUERTO RICO

**United States Environmental
Protection Agency National
Pollutant Discharge Elimination
System**

Notice of Intent (NOI) for coverage under the
Small Municipal Separate Storm Sewer System
(MS4) General Permit (PRR040000) for Puerto
Rico

Part A. General Information

1. Name of Municipality or Organization: Municipality of Cataño
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 3 3
4. Location Address:
 - a. Street: Ave. Las Nereidas #96
 - b. City: Cataño State: PR Zip Code: 00962
5. Mailing Address:
 - a. Street: P.O. Box 428
 - b. City: Cataño State: PR Zip Code: 00963
Fax:
6. Telephone Number: 787-788-0404
7. E-mail: obraspublicasmunicipiocatano@gmail.com
8. Standard Industrial Classification (SIC) Code (see instructions for common codes): 9199
9. Latitude: (use the format provided.) Longitude: (use the format provided.)
2.2.4.2 Approximate *center of the regulated portion of the MS4.*

18.440214 °
N (degrees
decimal)

-66.119299° W (degrees
decimal)

Part B. Primary MS4 Program Manager Contact Information

1. Name: Rosa M. Cruz Pagán
2. Position Title: Secretary at Office of Public Works, Municipality of Cataño

3. Stormwater Management Program (SWMP) Location (web address or physical location):
The SWMP and the NOI will be available for public review at the Office of Public Works.

4. Mailing Address:

a. Street: P.O. Box 428

b. City: Cataño

State: PR

Zip Code: 00963

5. Telephone Number: 787-788-0404

6. E-mail: obraspublicasmunicipiocatano@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 ☐ F
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 Cataño is a governmental entity that has a responsibility to bring a public service; health service, maintenance of public areas, recreation facilities, municipal green areas, civil defense, emergency assistance and municipal roads. Under the MS4 permit the municipality has a responsibility to maintain in optimum conditions the water sewer systems, stormwater management, drainage system maintenance, water pump and maintenance of road gutters. In the Municipality of Cataño, we have the Department of Public Works that is responsible of all the above mentioned. The square mileage served by the MS4 permit is 5.0 square miles. The Census 2010 classified the city of Cataño as urban, but the sewer systems that are under responsibility of the municipal administration are the ones located on municipal roads only.

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? (Section 4.2.3 of 2006 general permit): 70%
Inventory work has been an ongoing process since 2014 using a web base interface tool www.ms4web.com.
- a. If 100% of 2006 requirements are not met, enter an estimated date of completion:
12/30/2017
(MM/DD/YYYY)
- b. Web address where MS4 map is published: (Included)
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: 06/30/2017
(MM/DD/YYYY)
2. Construction/Erosion and Sediment Control authority adopted? ☐ Yes ☒ No
a. Effective Date or Estimated Date of Adoption: 06/30/2017
(MM/DD/YYYY)
3. Post-Construction Stormwater Management adopted? ☐ Yes ☒ No
a. Effective Date or Estimated Date of Adoption: 06/30/2017
(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	Has any monitoring been performed to outfalls? (Yes/No)	List of Pollutant(s) causing impairment (if applicable)	List of TMDL Pollutant (s) (if any)
Isla de Cabras to Punta del Morro	76	No	Arsenic, Copper, Dissolved oxygen, fecal coliform	Fecal Coliform
San Juan Bay Estuary (include all tributaries and drainage system)	39	No	Copper, cyanide, dissolved oxygen, Enterococcus bacteria, lead, mercury, oil and grease, selenium, surfactants, thermal modifications, turbidity, pH	Fecal coliform
Río Bayamón	5	No	Copper, cyanide, total coliform, turbidity	Fecal coliform
Río Hondo	N/A	No	Arsenic, dissolved oxygen, other inorganics, selenium, surfactants, turbidity	Fecal coliform

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
MCM-1 Public Education & Outreach				
Financial and human resources, task force identification to be implemented within the plan.	No	Yes	Municipal Managers and staffers. The Municipal Managers have identified some of the needs to implement the program, but has to be completed.	None. The Municipality will complete this task in the first 6 months of the new cycle.
To inform and capacitate community leaders as well as territorial ordinance community council.	No	Yes	Community Leaders. The lack of funding and structure to establish an effective communication.	The Municipality will continue with the effort in the new cycle.
To inform and capacitate the Public Works personnel on the NPDES program.	Yes	Yes	This task was completed. The staffers have received training as required.	The Municipality continue with the effort in the new cycle.
To conduct conferences related to domestic waste and oil disposal from communities.	No	Yes	Community Leaders. The lack of funding and structure to establish an effective campaign.	The Municipality will continue with the effort in the new cycle.
Capacitate Municipal Police Officers related to waste and oil disposal policy.	No	Yes	Municipal Police The lack of funding and structure to establish an effective campaign.	The Municipality will continue with the effort in the new cycle.
Establish a periodical progress bulletin report related to the project.	No	Yes	General Public The lack of funding and structure to implement the task.	The Municipality will continue with the effort in the new cycle.
MCM-2 Public Involvement & Participation				

Nominate a community committee that will include territorial ordinance board members and community leaders.	No	Yes	Community Leaders from the City. The lack of a structure to implement this task.	The Municipality will continue with the effort in the new cycle.
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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
MCM-3 Illicit Discharge Detection and Elimination Program				
Establish selective monitoring spots for wastewater discharge	Yes	Yes	City-wide With the assistance from a contractor, the Municipality started the identification of the sites.	The Municipality will continue with the effort during the new cycle.
Develop and establish a Municipal vigilance patrol program.	No	Yes	City-wide The lack of funding delayed the implementation.	The Municipality will continue with the effort during the new cycle.
Evaluate the possibilities of establishing Municipal legislation to detect violations to enforce the overall program. To establish a periodical progress bulletin report related to the project.	No	Yes	The lack of resources to prepare the required ordinance.	The Municipality will continue with the effort during the new cycle. With the assistance of a contractor, the Municipality will prepare the required ordinances and regulations.

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
MCM-4 Construction Site Storm Water Runoff Control				
Establish a monitoring system of projects under construction to verify the compliance with environmental laws and discharge permits.	Yes	Yes	Municipal Managers	The task will continue in the new cycle with the use of the MS4Web Permit Manager
MCM-5 Post Construction and Re-Development Storm Water Program				
Establish selective monitoring spots for wastewater discharge	No	Yes	Lack of Funding.	Will be completed during the first semester of 2017
Channels cleaning campaign (Cucharillas, Malaria, Aguas Frías)	Yes	Yes	Areas described in the SWMP	Ongoing program. It will continue during the next cycle.
Constant cleaning of the storm sewer system	Yes	Yes	Areas described in the SWMP	Ongoing program. It will continue during the next cycle.
MCM-6 Pollution Prevention and Good Housekeeping				
To inform and capacitate the Public Works personnel on the NPDES program.	Yes	Yes	As described in the SWMP	Ongoing program. It will continue during the next cycle.

Capacitate Municipal Police Officers related to waste and oil disposal policy.	No	Yes	Municipal Police. Lack of funding to implement this task.	Ongoing program. It will continue during the next cycle.
Establish a periodical progress bulletin report related to the project.	No	Yes	OMP staffers. Lack of funding to implement this task.	It will continue during the next cycle.

Part I. 2016 Stormwater Management Program (SWMP) Summary

Public Education and Outreach (See Section 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.)
BMP-1 Storm Drain Stenciling Program	Non-Point Sources and Illegal Discharges	Storm Drains Stenciling	Number of storm water inlets painted and volunteers participating. The target is to have a minimum of 50 drains marked on a yearly basis.
BMP-2 Annual Cleanup	Non-Point Sources	Volunteer and residents' participation	Number of tons of debris and recyclables collected during the cleanup events. The target is to collect 1 ton per year but to reduce the amount based in the success of the program.
BMP-3 Public Education Program	Illegal Discharges, Non-Point Sources and Erosion Control	Public Meetings, School Lectures	Number of residents attending the events. To target 200 students every year city-wide.
BMP-4 Community Hotline	Illegal Discharges and Non-Point Sources	Thru the general outreach activities, the Municipality encourages the use of the hotline to address the problems.	Number of calls and referrals to correct illegal discharges and non-point sources of pollution.

BMP-5 Social Media Education Campaign	Illegal Discharges, Non-Point Sources and Erosion Control	Posting of educational clips and messages in Facebook, Twitter, Instagram and Snapchat	Number of messages distributed, shared and viewed on a weekly basis.
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Part I. 2016 Stormwater Management Program (SWMP) Summary (continued)

Public Involvement and Participation (See Section 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.)
BMP-1 Storm Sewer System Map	Then Municipality is required to develop an inventory of all municipal stormwater infrastructure.	Create a map inventory of all the stormwater infrastructure in the urban area of the Municipality.
BMP-2 Implement Regulations to Enforce Non-Storm Discharges.	The Municipality will start train its employees and implement the approved ordinance throughout its territory.	It is expected to start in the first semester of 2017. Reduction in illicit discharges and connections.
BMP-3 Meet with Local Community Groups and Organizations to Involve them in Stormwater Efforts.	The Municipality propose the use of public meetings through the community as a mean to request their involvement in the efforts coordinated by the administration.	The number of volunteers and the total number of communities covered during the public meetings.
BMP-3 Develop and conduct periodical focus groups to discuss the current issues related to pollution from storm-waters.	The Municipality propose the use of focus groups through the community as a mean to request their involvement in the efforts coordinated by the administration.	The number of volunteers participating during the focus groups and the number of issues identified and fixed.
BMP-4 Conduct Public Hearings to address Stormwater issues.	The Municipality propose conducting a yearly Public Hearing to address the most pressing issues related to pollution from Stormwater runoff.	The number of participants and issues identified and resolved as a result from the Public Hearing.

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

Illicit Discharge Detection and Elimination (See Section 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.)
BMP-1 Prepare and implement an ordinance targeting illegal discharges at the storm sewer system	The Municipality propose to present a local ordinance and the necessary regulation targeting illegal discharges into the storm sewer system.	The number of discharges identified and corrected on a yearly basis.
BMP-2 Adopt a Stream Program	The Municipality propose the development of an adoption program with local partners aimed to target one of the water bodies located within the urban area of Cataño.	The number of streams or meters adopted and the improvement of the surface water quality of the streams.
BMP-3 MS4Web Permit Manager Tool	Cataño propose the use of the MS4Web Permit Manager as a mean to provide local residents and municipal managers with an internet based tool to access data on illegal discharges and all storm water outfalls in the city and how to address the issue of illegal discharges.	Number of residents and local managers using the Internet-based tool.
BMP-4 Used Oil Recycling Program	The Municipality of Cataño will implement the Cease the Grease Program as part of the city-wide effort to reduce the illegal discharge of used cooking oil in the storm sewer system and surface water bodies.	The number of gallons of used cooking oil recycled city-wide
BMP-5 Basic Surface Water Quality Monitoring Project	A basic surface water quality monitoring program will be established in a selected stream using parameters like pH, Temperature and Fecal Coliforms	Data from streams will be compared to data obtained on a regular basis by the PR Environmental Quality Board

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

Construction Site Stormwater Runoff Control (See Section 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.)
BMP-1 Ordinance to control runoff from construction sites	The Municipality will prepare, approve and adopt an ordinance specifically targeting runoff from construction sites impacting the stormwater sewer system covered by the permit.	The number of interventions and sites corrected. 100% inspection rate city-wide.
BMP-2 Construction Sites Annual Inventory	Then Municipality is required to develop an inventory of all public and private construction projects. The local government propose the use of the MS4Web Permit Manager to create and maintain the inventory identifying all construction sites. The tool helps the local managers to update the information as needed. All documents associated with the projects will be added in PDF format during the inspections and will be ready available to the inspectors.	The number of projects identified and certified ion compliance with the permit.
BMP-3 Development of SOPs for Construction Permits.	The Municipality propose the development of a Construction SOP aimed to provide developers with new means to address regulation requirement and for inspectors to identify deficiencies during inspections.	Number of Projects city-wide visited and brought into compliance with local ordinance and USEPA regulations.
BMP-4 BMPs during construction Poster	The Municipality will prepare and distribute a poster aimed to contractors and construction projects with BMPs specifically design to reduce impacts to the stormwater runoff from construction activities.	A 100% coverage of active and permitted construction projects city-wide.

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

Post-Construction Stormwater Management in New Development and Redevelopment (See Section 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.)
BMP-1 Ordinance to control runoff pollution from post-construction projects	The Municipality will prepare, approve and adopt an ordinance specifically targeting runoff from post-construction projects impacting the stormwater sewer system covered by the permit.	The number of interventions and sites corrected. 100% inspection rate city-wide.
BMP-2 Standard Operating Procedures for Post-Construction Projects	The Municipality of Cataño propose to develop procedures to avoid runoff impacts to nearby surface waterbodies from stormwater controls located on completed construction projects. This will include impacts from retention ponds or non-covered areas prone to high rates of sedimentation.	Number of projects visited and certified in compliance with local ordinances and USEPA regulations.
BMP-3 Brochures	A series of brochures will be developed to be distributed among residents and managers of new and old housing and apartment projects city-wide aimed to educate them in good practices to avoid impacts to the existing stormwater infrastructure.	To distribute no less than 100 copies on a yearly basis.

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

Good Housekeeping and Pollution Prevention in Municipal Operations (See Section 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.)
BMP-1 Trainings for Municipal Employees	The Municipality will provide trainings on BMPs for mechanics, green-areas workers, painters, electricians, and clerical employees on how to address simple issues identified in the daily tasks of Municipal Operations. The trainings will cover oil, paint and fuel spills, emergency response, good housekeeping, material storage, and record keeping.	The Municipality will provide their employees with two (2) workshops/trainings every year addressing BMPs and their responsibility under the USEPA-NPDES Permit.
BMP-2 SOPs for Municipal Operations	The Municipality will develop and implement the required Standard Operation Procedures for all the operations and maintenance activities conducted daily at Municipal Public Works. The SOPs will cover all activities that may have an impact on the NPDES-MS4 permit.	Number of inspections completed and certified in compliance with local ordinances and USEPA regulations.
BMP-3 SOPs for Municipal Facilities	The Municipality will develop and implement the required SOP for the operation of municipal facilities including parks and open space maintenance, sidewalks, streets and roads; and auto yards.	Number of inspections completed and certified in compliance with local ordinances and USEPA regulations.
BMP-4 Webinars on Water Quality BMPs	The Municipality propose offering a webinar to municipal employees on simple BMPs designed to protect their surface water resources.	The number of participants and efforts developed by the employees after the webinar.



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:
Felix Delgado Montalvo

Title: Mayor

Date: January 17, 2017