

September 30, 2016

Eng. Sergio Bosques Regional Storm Water Coordinator Caribbean Environmental Protection Division City View Plaza II – Suite 7000 #48 Rd. 165 km 1.2 Guaynabo, PR 00968-8069 RECEIVED

NOTICE OF INTENT-NOI- MUNICIPALITY OF AGUAS BUENAS, FOR STORM WATER DISCHARCHES FROM SMALL MS4s IN URBANIZED AREAS

As part of the provisions of the Clean Water Act, Section 402 (p), requires that storm water discharges, associated with municipal separate storm sewer system (MS4s) in urbanized areas, to waters of the US must be authorized by a National Pollutant Discharge Elimination System

(NPDES) permit. In order to comply with this requirement, we are submitting our Notice of

Intent for the NPDES Permit no. PRR040023. The updated SWMP document will be modified in the next 6 months as required in Section 1.11 of the 2016 signed permit, and pursuant to Title 40, Part 122.34 Subpart B, or Permit Application and Special NPDES Program Requirements. The Municipality of Aguas Buenas has the intention of comply with the Permit's provisions and EPA requirements. In you need additional information, do not hesitate to contact Mr. Luis Rodolfo Rivera at the Mayor's Office at 787-732-8621 or via e-mail at lrrivera@aguasbuenaspr.net.

Sincerely,

Javier Vélez Arocho

Environmental Adviser

Cc: Luis Arroyo Chiqués

Luis R. Rivera, Director of Planning

Enclosure

Notice of Intent

MUNICIPALITY OF AGUAS BUENAS PO BOX 128 AGUAS BUENAS PR 00703

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

INDIVIDUAL PERMIT

MUNICIPALITY OF AGUAS BUENAS

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 Aguas Buenas								
2.	Type: O Federal O State Municipality Other:								
3.	Existing Permittee: Yes No If yes, provide EPA NPDES Permit Number: PRR040028								
4.	Location A	Location Address:							
	a. Str	reet: <u>C</u>	Calle Rafael Laza #48						
	b. Cit	ty: _/	Aguas Buenas	State:	PR	Zip Code:	00703		
5.	Mailing Ad	ddress:							
	a. Street: _: P.O. Box 128								
		_							
	b. Cit	ty: <u>/</u>	Aguas Buenas	State:	<u>PR</u>	Zip Code:	00703		
6.	Telephone	Numbe	er: <u>787-732-8621</u>	Fax:					
7.	E-mail:	_1	nguzman@aguasbuenaspr.net						
8.	Standard Industrial Classification (SIC) Code (see instructions for common codes): 9199								
9.	,		-		the for	rmat provided	l.)		
	2.2.4.2 App	proxim	nate center of the regulated portion of the MS4	ί,					
	13	8.2566	45 ° N (degrees decimal)	-66	5.10378	3° W (degrees d	lecimal)		
				/					
Part B.	Primary M	MS4 Pr	ogram Manager Contact Information						
1.	Name: Ha	arry Gu	ızmán						
2.	Position Title: Coordinador de Programas y Proyectos Especiales								
3.	Stormwater Management Program (SWMP) Location (web address or physical location):								
4.	Mailing Ad	ldress:							
	a. Stre	eet: P	O. Box 128	70°					
		-			le de la constante de la const				
	b. City	y: <u>A</u>	Aguas Buenas	State:	PR	Zip Code:	00703		

	5. Telephone Number: <u>787-732-8621 Ext. 2272, 2430, 2431</u>
	6. E-mail: hguzman@aguasbuenaspr.net , <a (ua)<="" area"="" href="href=href=href=href=href=href=href=href=</td></tr><tr><th></th><th></th></tr><tr><th></th><th>Part C. Eligibility Determination</th></tr><tr><th></th><th>1. Endangered Species Act (ESA) determination complete? Yes No</th></tr><tr><td></td><td>a. Eligibility Criteria (check all that apply): O A O B O C O D E O F</td></tr><tr><td></td><td></td></tr><tr><td></td><td>2. National Historic Preservation Act (NHPA) determination complete? Yes O No</td></tr><tr><td></td><td>a. Eligibility Criteria (check all that apply): A B C C D</td></tr><tr><td></td><td>Part D. Map/Boundaries</td></tr><tr><td></td><td>MS4/Organization Description of regulated boundaries (narrative):</td></tr><tr><th></th><th>The Municipality of Aguas Buenas operates a municipal separate storm sewer system located in the traditional urban area of Aguas Buenas, Puerto Rico. Aguas Buenas is located in the central region of Puerto Rico and is defined by EPA as an urbanized area based on the 2010 census. The Municipality handles its urban center as a single MS4. No large complexes or areas of the urban system require their own individual MS4. The urban center's array of roads, piping, and water canals are treated as a single MS4. The Municipality has established the limits of its urban center in coordination with Law 212 of August 29, 2002.</th></tr><tr><th></th><th>The 2015 Census estimation for the population of Aguas Buenas is 26,915. The population of its urban center (for which this MS4 applies) is 4,204 according to the 2010 Census. The Municipality is composed of 10 wards; Mula, Mulita, Juan Asencio, Bayamoncito, Sumidero, Sonadora, Caguitas, Bairoa, Jagueyes, and Pueblo. Aguas Buenas has many service areas that will be directly involved with the implementation of the Storm Water Program. • Federal Affairs Office • Project Management Office • Emergency Management Office • Public Relations • Mayor's Office</th></tr><tr><th></th><th>The Municipality of Aguas Buenas has a territorial extension of approximately 30 square miles. Its urban center is approximately 0.13 square miles large.</th></tr><tr><td></td><td>2. Location Map/Boundaries. A location map must be attached showing the pertinent city, town, wards, or</td></tr><tr><td></td><td>boundaries, the boundaries of the Small MS4, including surface water body(s), and the " td="" urbanized="">
	when applicable.
	Is map attached? Yes O No
Pa	ort E. MS4 Infrastructure (if covered under the 2006 general permit)
	 Estimated Percent of Outfall Map Complete? (Section 4.2.3 of 2006 general permit): 100 % 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: 12/31/2016
	At the time of this document, a contractor is working to complete the map. It will be completed by December, 2016.

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 ad	opted? () 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?	O 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	Have any monitoring been performed to outfalls? (Yes/No)	List of Pollutant(s) causing impairment (if applicable)	List of TMDL Pollutant (s) (if any)
Río Cagüitas	24	No	Cyanide, surfactants, thermal modifications, total coliform, turbidity	Ammonia, BOD, Copper
Río Bairoa	34	No	Cyanide, phosphorus, total coliform, turbidity	Ammonia, BOD, Copper
Río Bayamón	12	No	Cyanide, pathogens, 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 Manages and Staffers	None. The Municipality will identify the necessary funds.
To inform and capacitate community leaders as well as territorial ordinance community council.	No	Yes	Community Leaders. The lack of funding and staff to complete the task.	
To inform and capacitate the Public Works personnel on the NPDES program.	Yes	Yes	Public Works Staffers	Ongoing process. There will be no changes to the task.
To conduct conferences related to domestic waste and oil disposal from communities.	No	Yes	General Public	Ongoing Process. The Municipality will adopt Cease the Grease Project.
Capacitate Municipal Police Officers related to waste and oil disposal policy.	No	Yes	Municipal Police	Ongoing Process. The Municipality will complete the training of Police personnel.
Establish a periodical progress bulletin report related to the project.	No	Yes	Lack of funding to complete the task.	Ongoing process. There will be no changes to the task.
		MCM-2 Public Inve	olvement & Participation	
Nominate a community committee that will include territorial ordinance board members and community leaders.	No	Yes	The Municipality did not have the programmatic structure to host a committee.	The Municipality with the support from their contractor will complete this task.

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 Det	ection and Elimination Program	
Establish selective monitoring spots for wastewater discharge	Yes	Yes	The monitoring spots were identified.	The next step is to start the monitoring of wastewater.
Develop and establish a Municipal vigilance patrol program.	No	Yes	Municipal Police The lack of funding and human Resources.	The Municipality is working to identify the funds to complete this task.
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.	Yes	Yes	The ordinance was completed and it is pending o approval by the Municipal Legislature.	This task will be completed in the first 6 months of the next cycle.

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
自由外往的技术	MCN	I-4 Construction Sit	e Storm Water Runoff Control	The second second
Establish a monitoring system of projects under construction to verify the compliance with environmental laws and discharge permits	No	Yes	Construction Projects. The lack of funding forced the Municipality to depend on the state regulations to oversee the construction projects.	The Municipality is working to identify the funds to complete this task.
	MCM-5 Post	Construction and R	e-Development Storm Water Pro	ogram
Establish selective monitoring spots for wastewater discharge	Yes	Yes	The monitoring spots were identified.	The next step is to start the monitoring of wastewater.

Constant cleaning of the storm sewer system	Yes	Yes	Ongoing Process	This task will continue in the next cycle.
	MCM-	-6 Pollution Pro	vention and Good Housekeeping	
To inform and capacitate the Public Works personnel on the NPDES program.	Yes	Yes	Municipal Employees at Public Works	This task will continue in the next cycle.
Capacitate Municipal Police Officers related to waste and oil disposal policy.	No	Yes	Municipal Police	Ongoing Process. The Municipality will complete the training of Police personnel.
Establish a periodical progress bulletin report related to the project.	No	Yes	Lack of funding to complete the task.	Ongoing process. There will be no changes to the task.

Part I. 2016 Stormwater Management Program (SWMP) Summary <u>Public Education and Outreach</u> (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 30 drains marked on 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.

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

<u>Public Involvement and Participation (See Section 2.4.3 for detailed information of required BMPs):</u>

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. The wok is currently underway at it is expected to be completed by 12/31/2016.
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 indentify 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 Aguas Buenas.	The number of streams or meters adopted and the improvement of the surface water quality of the streams.
BMP-3 MS4Web Permit Manager Tool	Aguas Buenas 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 Aguas Buenas 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. <u>2016 Stormwater Management Program (SWMP) Summary (continued)</u>
<u>Construction Site Stormwater Runoff Control (</u>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.	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 Aguas Buenas 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. <u>2016</u> Stormwater Management Program (SWMP) Summary (continued)
<u>Good Housekeeping and Pollution Prevention in Municipal Operations</u> (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 ort 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.		
MP-2 SOPs for Iunicipal 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.	
MP-3 SOPs for funicipal 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:) - 7·4		
Print Na	me of Mayor/Elected Official: _	Luis	Arroyo	Chi ques
Title:	Alcalde		Dat	te: 30 de septiembre de 2016







