

Scan 110258



ESTADO LIBRE ASOCIADO DE PUERTO RICO  
**Gobierno Municipal**  
LAS PIEDRAS, PUERTO RICO

Via Certified Mail: 7008 1140 0001 3028 7192

September 8, 2017

Carmen R. Guerrero-Pérez, Director  
Caribbean Environmental Protection Division  
Environmental Protection Agency (EPA), Region 2  
City View Plaza II, Suite 7000  
Guaynabo, Puerto Rico 00968-8069

2017 SEP 14 PM 12:29  
RECEIVED

Re: Municipality of Las Piedras - Small Separate Storm Sewer System  
Notice of Intent (NOI) – NPDES SMS4 General Permit  
Administrative Compliance Order  
Docket Number: CWA-02-2017-3107  
Tracking Number: PRR040049

Dear Director Guerrero-Pérez:

As required by the EPA Order, the Las Piedras Municipality submits a Notice of Intent (NOI) and an electronic copy of such NOI to obtain coverage under the 2016 National Pollutant Discharge Elimination System ("NPDES) General Permit for Stormwater Discharges from Small Municipal Separate Storm Sewer Systems ("SMS4") in urbanized areas.

In addition, the Order requires a cost report detailing the expenses in which the Municipality incurred in order to develop and file the NOI. The Municipality hired an environmental consulting firm on an hourly-basis to develop and prepare the NOI and the expected cost will not exceed \$5,200.

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.

Cordially,

Miguel A. López-Rivera  
Mayor

Notice of Intent (NOI)  
for coverage under  
2016 SMS4 NPDES GP

Las Piedras Municipality  
Commonwealth of 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: Las Piedras Municipality
2. Type:  Federal  State  Municipality  Other: \_\_\_\_\_
3. Existing Permittee:  Yes  No If yes, provide EPA NPDES Permit Number: PRR04 0049
4. Location Address:
  - a. Street: City Hall, José Celso Barbosa street  
State Road # 198
  - b. City: Las Piedras State: PR Zip Code: 00771
5. Mailing Address:
  - a. Street: P.O. Box 68
  - b. City: Las Piedras State: PR Zip Code: 00771
6. Telephone Number: (787) 733-4595 Fax: (787) 733-0165
7. E-mail: ofic.alcalde@mlp.gov.pr
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. (~ Old City Hall)*  
\_\_\_\_ ° \_\_\_\_ ' \_\_\_\_ " N (degrees, minutes, seconds)      \_\_\_\_ ° \_\_\_\_ ' \_\_\_\_ " W (degrees, minutes, seconds)  
Or  
18.1824 ° N (degrees decimal)      -65.8647 ° W (degrees decimal)

Part B. Primary MS4 Program Manager Contact Information

1. Name: Marianito Ruiz Lozada
2. Position Title: Planning and Development Director
3. Stormwater Management Program (SWMP) Location (web address or physical location):  
Planning and Development Office
4. Mailing Address:
  - a. Street: P.O. Box 68
  - b. City: Las Piedras State: PR Zip Code: 00771

5. Telephone Number: (787) 733-2160 Ext. 405/406 & (787) 375-9238  
 6. E-mail: planificacion@mlp.gov.pr

**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  
 (Activities unlikely to adversely affect listed species.)
2. National Historic Preservation Act (NHPA) determination complete?  Yes  No  
 a. Eligibility Criteria (check all that apply):  A  B  C  D  
 (No ground-disturbing control measures will be constructed or installed.)

**Part D. Map/Boundaries**

1. MS4/Organization Description of regulated boundaries (narrative):  
The SMS4 covers urbanized areas in the following wards: Bo. Pueblo, Bo. Tejas, Bo. Collores, and Bo. Quebrada Arenas. A rough estimate of 88 outfalls identified until now discharging to one river (Río Humacao) and to 3 tributary creeks. In general, the basic design of the Las Piedras SMS4 includes street catch basins and cross gratings; underground pipes and distribution boxes; box culverts; open channels and earthswales.
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 (See Map in Appendix #1)

**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): 0 %  
 a. If 100% of 2006 requirements are not met, enter an estimated date of completion: September 30, 2018  
(MM/DD/YYYY)
- b. Web address where MS4 map is published: Not Applicable (N.A.)  
*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: December 29, 2017  
(MM/DD/YYYY)

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

a. Effective Date or Estimated Date of Adoption: March 30, 2018  
(MM/DD/YYYY)

3. Post-Construction Stormwater Management adopted?  Yes  No

a. Effective Date or Estimated Date of Adoption: June 29, 2018  
(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)
Tributary creek of Quebrada Montones in Tejas ward (connect to Río Valenciano).	Rough Estimate: 22	NO	Río Valenciano: Arsenic, Copper, Cyanide, Fecal Coliforms, Surfactants and Turbidity.	Watershed for Río Grande de Loíza (TMDL pollutants: Fecal Coliforms & Dissolved Oxygen)
Tributary creek of Quebrada Arenas in Collores ward (connect to Río Gurabo).	Rough Estimate: 28	NO	Río Gurabo: Copper, Cyanide Cyanide, Turbidity & Total Coliforms.	Watershed for Río Grande de Loíza (TMDL pollutants: Fecal Coliforms & Dissolved Oxygen)
Río Humacao	Rough Estimate: 26	NO	Copper, Turbidity Surfactants, Lead, Total coliforms and Cyanide.	Fecal Coliforms (approved on September 2012)
Tributary creek of Río Humacao in Tejas ward.	Rough Estimate: 12	NO	Copper, Turbidity Surfactants, Lead, Total coliforms and Cyanide.	Río Humacao Watershed: Fecal Coliforms

**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
Public Education Program (MCM-1)				
Prepare storm water education materials for citizens (MCM-1.a)	Yes (10%)	Yes	Targeted Audience: Local public & citizens. Reason: Budget limitations.	None
Prepare storm water education materials for citizens on management of household hazardous waste (MCM-1.b)	No	NO	Targeted Audience: Local public & citizens. Reason: Complexity and expertise & budget limitations.	Amendments to SWMP text.
Prepare trash management education material. (MCM-1.c)	Yes (10%)	Yes	Targeted Audience: Local public & citizens. Reason: Budget limitations.	None
Prepare education/outreach materials for commercial activities (MCM-1.d)	Yes (10%)	Yes	Targeted Audience: Local Commerce/businesses. Reason:	None
Prepare classroom education on storm water pollution Management (MCM-1.e)	No	Yes	Targeted Audience: Local schools. Reason: Lack of expertise.	None

**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
Public Involvement/ Participation Program (MCM-2)				
Establish a NPDES storm water steering committee (MCM-2.a)	NO	Yes	Targeted Audience: General public & citizens, government, industry, commerce, construction & design professionals, etc. Reason: Too broad of an audience.	Amend the SWMP text.
Hold public meetings to receive input on the proposed program. (MCM-2.b)	No	Yes	Targeted Audience: General public & citizens, government, businesses, and other stakeholders. Reason: Budget limitation to contract expert on subject matter.	None

**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
Illicit Discharge Detection and Elimination Program (MCM-3)				
Storm drain system map (MCM-3.a)	No	YES	Targeted Audience: Applicable municipal employees and/or contractor. Reason: Human and budget limitations.	None
Identify illicit connections through dry water screening (MCM-3.b)	No	YES	Targeted Audience: Applicable municipal employees and/or contractor. Reason: Expertise, human, and budget limitations.	None
Illicit discharge/illegal dumping hotline (MCM 3.c)	No	YES	Targeted Audience: Local public & citizens. Reason: Expertise, human, and budget limitations.	Amend the SWMP text.

**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
Program to reduce pollutants in storm water runoff from construction activities (MCM-4).				
Request erosion and sediment control (ESC) plans for projects with land disturbances. (MCM-4.a).	No	Yes	Targeted Audience: Construction professionals and workers. Reason: ESC permit request not formal yet.	Requirement to be included in the ordinance.
Request the use of appropriate perimeter controls (MCM-4.b).	No	Yes	Targeted Audience: Construction professionals and workers. Reason: ESC permit request not formal yet.	Requirement to be included in the ordinance.
Develop education program for contractors (MCM-4.c).	NO	Yes	Targeted Audience: Construction contractors. Reason: Not formally instituted.	Requirement to be included in the ordinance.

**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
Post-construction stormwater management in new developments and redevelopments (MCM-5).				
Develop a program for maintenance of structural storm water controls (MCM-5.a).	No	Yes	Targeted Audience: Owners of structural storm water controls. Reason: Not formally requested to owners.	Requirement to be included in the ordinance.
Develop and implement a stormwater ordinance and guidance that includes standards to control runoff impacts (MCM-5.b)	No	Yes	Targeted Audience: Construction owners, professionals and workers. Reason: Lack of expertise.	Requirement to be included in the ordinance.

**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
Pollution prevention /good housekeeping for municipal operations (MCM-6).				
Training program for ground maintenance and landscaping crews (MCM-6.a)	No	Yes	Targeted Audience: Ground maintenance and landscaping crews. Reason: Expertise and budget limitation.	None
Develop spill prevention and control plans for municipal facilities (MCM-6.b)	No	Yes	Targeted Audience: Municipal employees. Reason: Expertise and budget limitation.	None

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.)
PEd-2.4.2	Stormwater pollution Prevention for Pollutants of concern for local public.	Las Piedras will educate the local public by making 500 impressions per year with a stormwater quality message on	Number of impressions distributed to the local public in every calendar year.
		pollutants of concern via print or other appropriate media.	
PEd-2.4.2.1	Stormwater pollution Prevention (SWPP) for Pollutants of concern for municipal employees.	Onsite training at each affected Municipal Department.	Number of employees trained in each permit term.
PEd-2.4.2.2	SWPP educational materials for target audiences will be available at least annually.	SWPP Educational Materials will be kept in a specific area at the Municipality.	Designation of the area at the Municipality for the educational materials.

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.)
PI&P-2.4.3.P1	Las Piedras will comply with applicable Public notice requirements in the planning and implementation activities related to the developing and implementing of the SWMP.	Number of public notices published in accordance with local and PR requirements.
PI&P-2.4.3.1	Las Piedras will have available to the public the SWMP and all annual reports.	Number of public notices published in accordance with local and PR requirements stating where the SWMP and annual reports are available.
PI&P-2.4.3.2	Las Piedras will provide the public with an opportunity to participate in the review and implementation of the SWMP.	Number of public notices published in accordance with local and PR requirements stating how to participate in the review and implementation of the SWMP.

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.)
IDDE-2.4.4.P1.S1	Las Piedras will develop, implement And enforce a program to detect, investigate, and eliminate illicit discharges into the SMS4.	<ul style="list-style-type: none"> <li>• Development of a written IDDE plan.</li> <li>• % of implementation and enforcement of the IDDE plan (IDDE program).</li> <li>• # of illicit discharges detected, investigated, and eliminated.</li> </ul>
IDDE-2.4.4.P1.S2	Las Piedras' IDDE program will include a plan to detect and address non-allowable non-stormwater discharges, including illegal dumping to the MS4 system.	<ul style="list-style-type: none"> <li>• Development of a written IDDE plan.</li> <li>• % of implementation and enforcement of the IDDE plan (IDDE program).</li> <li>• # of illicit discharges detected, investigated, and eliminated.</li> </ul>
IDDE-2.4.4.P1.S3	Las Piedras will implement procedures to prevent illicit connections and Discharges to the MS4.	<ul style="list-style-type: none"> <li>• Development of procedures.</li> <li>• % of completion of procedures.</li> <li>• # of illicit discharges detected, investigated, and eliminated.</li> </ul>
IDDE-2.4.4.P2	Las Piedras will modify as Necessary the existing SWMP and will implement new elements by the end of the permit term.	<ul style="list-style-type: none"> <li>• % of completion of modifications to the existing SWMM.</li> <li>• % implementation of new elements, if necessary.</li> </ul>
IDDE-2.4.4.2.b	Las Piedras will eliminate illicit discharges within 30 days or will prepare a elimination schedules and report.	<ul style="list-style-type: none"> <li>• # illicit discharges eliminated.</li> <li>• # of elimination schedules and reports.</li> </ul>
IDDE-2.4.4.4.a.S2	Las Piedras, upon detection of SSO will notify PRASA and pertinent agencies as expeditiously as possible.	<ul style="list-style-type: none"> <li>• # of SSOs detected.</li> <li>• # of notifications.</li> </ul>
IDDE-2.4.4.4.a.S2-3	Las Piedras will take interim mitigation measures until elimination is completed and coordinate with PRASA and agencies the cleanup.	<ul style="list-style-type: none"> <li>• # of mitigation measures.</li> <li>• # cleanups coordinated with PRASA/agencies.</li> </ul>
IDDE-2.4.4.4.b	Las Piedras will identify all SSOs Locations and develop a SSOs inventory.	<ul style="list-style-type: none"> <li>• Development of SSOs Inventory.</li> <li>• # of annual inventory updates.</li> <li>• # of SSOs identified and eliminated.</li> </ul>

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.)
IDDE-2.4.4.4.c	Las Piedras will notify EPA and PRASA Within 24 hrs and provide written notice within 5 days from becoming aware of the SSO.	<ul style="list-style-type: none"> <li>• Number (#) of EPA and PRASA notifications.</li> <li>• # of EPA and PRASA written notices.</li> </ul>
IDDE-2.4.4.4.d	Las Piedras will include and update the SSOs Inventory and the status of mitigation and corrective measures in The annual report.	<ul style="list-style-type: none"> <li>• # of SSOs inventory in annual reports.</li> <li>• # of mitigation and measures</li> <li>• status in the annual reports.</li> </ul>
IDDE-2.4.4.5	Las Piedras will implement the existing 2006 SMS4 GP- IDDE program during the development of the new IDDE elements under 2016 SMS4 NPDES GP.	Duration of existing IDDE program Implementation until development of New IDDE program under the 2016 SMS4 NPDES GP.
IDDE-2.4.4.6.P1	Las Piedras will revised the system mapping of the SMS4 within 3 Years of the permit authorization.	<ul style="list-style-type: none"> <li>• % of completion of the system mapping.</li> </ul>
IDDE-2.4.4.6.a.i	The system mapping will include the Required Infrastructure and Water Resources Indicated in the permit.	<ul style="list-style-type: none"> <li>• % of completion of the required Infrastructure and water resources.</li> </ul>
IDDE-2.4.4.6.b	The mapping system will be appropriate for rapid understanding and serve as a planning tool for the IDDE program and will be updated as necessary to reflect information and modifications.	<ul style="list-style-type: none"> <li>• Mapping system is user-friendly.</li> <li>• Mapping system is used in the IDDE Program for planning purposes.</li> <li>• Mapping system will be updated as Necessary in the timely manner.</li> </ul>
IDDE-2.4.4.7.P1	Las Piedras will develop an outfall and interconnection inventory.	% completion of inventory.
IDDE-2.4.4.7.b	Las Piedras will complete its outfall inventory No later than 1 year from permit authorization and will be updated annually. Juncos will physically label all SMS4 outfall pipes with unique Identifiers with 5 years of coverage.	<ul style="list-style-type: none"> <li>• Annual % of Completion Of the Inventory</li> <li>• % completion of outfall pipes labeling.</li> </ul>

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.)
IDDE-2.4.4.7.c	The outfall inventory will include The information specified Section 2.4.4.7.c of the permit.	Formal verification that the outfall Inventory information comply with permit Section 2.4.4.7.c.
IDDE-2.4.4.8	Las Piedras will document the IDDE program in writing. The program will include the elements described in Sections 2.4.4.8(a-h).	Formal verification that the IDDE program document comply with permit Section 2.4.4.8(a-h).
IDDE-2.4.4.9	Las Piedras will implement the IDDE program in accordance with the goals and milestones set forth in Section 2.4.4.9.	Formal verification that the IDDE Program implementation comply with permit Section 2.4.4.9.
IDDE-2.4.4.10	Las Piedras will define or describe indicators for tracking program success and progress which include measures that demonstrate all efforts to comply.	Formal verification that the IDDE program indicators of progress and success comply with Section 2.4.4.10 of the permit.
IDDE-2.4.4.11	Las Piedras will, at least, annually Provide training to employees involved In the IDDE program with the specific Content and reporting prescribe in permit Section 2.4.4.11.	Formal verification that the IDDE Program training to applicable Employees comply with permit Section 2.4.4.11.

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.)
Const-2.4.5.P1.S1	Las Piedras will develop, implement and enforce a program requiring operators of construction activities to select, install, implement and maintain stormwater control measures.	<ul style="list-style-type: none"> <li>• % of completion of written construction site stormwater runoff control plan.</li> <li>• % of implementation of construction site stormwater program.</li> <li>• Number of applicable construction sites receiving a copy of the municipal stormwater runoff control requirements.</li> </ul>
Const-2.4.5.P1.S2	Las Piedras will develop and implement an ordinance to require erosion and sediment control in construction sites.	<ul style="list-style-type: none"> <li>• Adoption of the ordinance.</li> <li>• Number of applicable construction sites receiving a copy of the ordinance.</li> </ul>
Const-2.4.5.1	Las Piedras will implement and enforce a program to reduce pollutants from Stormwater discharged to the MS4 from large (≥ 1 acre) land disturbances during construction activities.	Formal verification that the construction site stormwater runoff control program complies with permit section 2.4.5.1.
Const-2.4.5.3	Las Piedras' construction site stormwater runoff control program will include the elements in sections a through l of permit section 2.4.5.3.	Formal verification that the construction site stormwater runoff control program includes the elements required in permit section 2.4.5.3.
Const-2.4.5.4	Las Piedras will maintain an inventory of all permitted active public and private construction sites with large (≥ 1 acre) land disturbances.	Formal verification that the construction site inventory comply the requirements in permit section 2.4.5.4.

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.)
PConst-2.4.6-P1	Las Piedras will develop, implement and enforce a Stormwater Discharge (Runoff) Control Program for private and public new developments/redevelopment.	<ul style="list-style-type: none"> <li>• % of completion of written Stormwater Discharge (Runoff) Control Plan.</li> <li>• % of implementation of Stormwater Discharge (Runoff) Control Program.</li> </ul>
PConst-2.4.6-P2.S1	Las Piedras will provide training to the Staff responsible for the implementation of the Stormwater Discharge (Runoff) Control Program.	<ul style="list-style-type: none"> <li>• % of completion of training materials.</li> <li>• % of completion of applicable staff training.</li> </ul>
PConst-2.4.6-P2.S2	Las Piedras will modify the existing Municipal Ordinance to reflect the new requirements in the 2016 SMS4 NPDES GP.	<ul style="list-style-type: none"> <li>• % of completion of new ordinance approval.</li> <li>• % of implementation of new ordinance.</li> <li>• Number of ordinance modifications submitted within 1 year from permit authorization.</li> </ul>
PConst-2.4.6.1	Las Piedras will modify the existing Municipal Ordinance to reflect the new requirements in the 2016 SMS4 NPDES GP in relation to required BMPs.	Number of Best Management Practices (BMPs) designed, installed, implemented and maintained as per the Ordinance.
PConst-2.4.6.3	The Las Piedras' Stormwater Discharge (Runoff) Control Program for private and public new developments/redevelopments will have procedures to ensure that the program will prevent or Minimize impacts to water quality.	Formal verification that the Stormwater Runoff Control Program complies with the requirements in permit section 2.4.6.3.
PConst-2.4.6.4	The Las Piedras' Stormwater Discharge (Runoff) Control Program for private and public new developments/redevelopments will include the requirements described in permit sections 2.4.6.4.a-c.	Formal verification that the Stormwater Runoff Control Program complies with the requirements in permit section 2.4.6.4.
PConst-2.4.6.5&6	The Las Piedras' Stormwater Discharge (Runoff) Control Program for private and public new developments/redevelopments will include written procedures permit sections for permit sections 2.4.6.1-5; and an inspection program for the stormwater control measures.	Formal verification that the Stormwater Runoff Control Program complies with the requirements in permit section 2.4.6.5 and 2.4.6.6.

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 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.)
O&M-2.4.7.1.P1	Las Piedras will develop written operations and maintenance (O&M) procedures within 1 year from permit authorization for parks and open spaces, building and facilities and vehicles and equipment.	<ul style="list-style-type: none"> <li>• Number of Procedures</li> <li>• Annual % of completion of O&amp;M Written procedures</li> </ul>
O&M-2.4.7.1.P2	Las Piedras will develop an inventory of all facilities within 6 months of permit authorization.	6 month % of completion Of the facility inventory.
O&M-2.4.7.1.a	In parks and open spaces, Las Piedras will establish procedures to address use, storage and disposal of pesticides, herbicides y fertilizers (PHF); Establish water quality protective practices during lawn maintenance and landscaping activities;	<ul style="list-style-type: none"> <li>• Number of procedures</li> <li>• % of completion of the Procedures.</li> </ul>
	and establish procedures for management of trash containers at parks and for placing signage related to proper disposal of pet waste.	
O&M-2.4.7.1.b	In municipal buildings and facilities, Las Piedras will establish procedures, provide employee training, ensure Spill prevention Plans are in place, develop management procedures for dumpsters	<ul style="list-style-type: none"> <li>• Number of procedures</li> <li>• % of completion of the Procedures.</li> </ul>
	and waste management equipment, and procedures for sweeping parking lots.	
O&M-2.4.7.1.c	Las Piedras will establish procedures for the storage of municipal vehicles, handling of fluid leaks, fueling areas and vehicle wash water handling.	<ul style="list-style-type: none"> <li>• Number of procedures</li> <li>• % of completion of the Procedures.</li> </ul>

## 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.)
O&M-2.4.7.1.d.1	Las Piedras will establish a written Program detailing the activities and Procedures for SMS4 infrastructure operations and maintenance.	% of procedures developed
O&M-2.4.7.1.d.2.i&iii	Las Piedras will ensure that no catch basin sump will be more than 50% full where the pollutant of concern is sedimentation/siltation and will establish a schedule for the frequency of routine cleaning to do so.	<ul style="list-style-type: none"> <li>• % of catch basin sumps with less than 50% full</li> <li>• Schedule of cleaning frequency developed</li> </ul>
O&M-2.4.7.1.d.2.ii	Las Piedras will prioritize inspections and maintenance for catch basins located near construction activities and will clean catch basins more frequently if Inspections and maintenance activities indicate excessive sediment or debris loadings.	<ul style="list-style-type: none"> <li>• Number (#) of catch basins located near construction activities that were prioritized for inspection and maintenance.</li> <li>• # of catch basins cleaned more frequently.</li> </ul>
O&M-2.4.7.1.d.2.iv	Las Piedras will investigate drainage areas for sources of excessive sediments loading for catch basins that are more than 50% full during two consecutive inspection or cleaning events.	Number of investigation performed on Drainage areas for catch basins that are more Than 50% full during two consecutive Inspections or cleaning.
O&M-2.4.7.1.d.2.vi	<u>Catch basin cleaning and inspection optimization plan (CBCIOP).</u> Las Piedras will develop an optimization plan and, will document in the SWMP and in the first annual report the plan for optimizing catch basin cleaning and inspections.	<ul style="list-style-type: none"> <li>• % of completion of the CBCIOP</li> <li>• Evidence and information showing that CBCIOP is optimal for the Juncos SMS4.</li> </ul>
O&M-2.4.7.1.d.2.vii	Las Piedras will report in each annual report the total number of catch basins, number inspected, number cleaned, the volume or mass of material removed from each catch basin and from all catch basins.	The total number of catch basins, number inspected, number cleaned, the volume or mass of material removed from each catch basin and from all catch basins reported in each annual report.
O&M-2.4.7.1.d.3	Las Piedras will establish and implement procedures for sweeping and/or cleaning streets and municipal parking lots, and will report in each annual report the number of miles cleaned and the volume or mass of material removed.	<ul style="list-style-type: none"> <li>• % of completion of procedures.</li> <li>• % of implementation of procedures.</li> <li>• Number of miles cleaned and volume or mass removed reported in each annual Report.</li> </ul>

## 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.)
O&M-2.4.7.1.d.4	Las Piedras will ensure proper storage of catch basin cleanings and street sweepings prior to disposal or reuse to avoid their discharge to receiving waters.	<ul style="list-style-type: none"> <li>• % of completion of SOP.</li> <li>• % of implementation of SOP.</li> </ul>
O&M-2.4.7.1.d.5	Las Piedras will establish and implement inspection and maintenance frequencies and procedures for storm drainage systems and stormwater treatment structures (will be inspected annually at a minimum).	<ul style="list-style-type: none"> <li>• % of completion of SOP.</li> <li>• % of implementation of SOP.</li> <li>• Number of inspections and maintenance activities.</li> <li>• Number of annual inspections of Juncos-owned stormwater treatment structures, if applicable.</li> </ul>
O&M-2.4.7.1.d.6	Las Piedras will provide (in the annual report) status reports on: the facilities inventory, the O&M programs for facilities, activities required on specific facilities, and maintenance activities associated to facilities.	Number of annual status reports on the inventory, the O&M programs and Activities, and maintenance activities.
O&M-2.4.7.1.d.7	Las Piedras will keep written record of all required activities by permit section 2.4.7.1 for a period of at least five years.	Number of written records maintained and kept of all required activities.
SWPPP-2.4.7.2.P1-a	Las Piedras will develop and fully implement a SWPPP for conventional or non-conventional municipal operations where pollutants may be exposed to stormwater within two (2) years from permit authorization.	<ul style="list-style-type: none"> <li>• % of completion of SWPPP</li> <li>• % of implementation of SWPPP</li> </ul>
SWPPP-2.4.7.2.b.i	Las Piedras will establish a Pollution Prevention Team (PPT) to develop, Implement, maintain and revise, as Necessary, the SWPPP for the facility.	<ul style="list-style-type: none"> <li>• % of completion of SWPPP</li> <li>• % of implementation of SWPPP</li> </ul>
SWPPP-2.4.7.2.b.ii	Las Piedras will complete a facility description and a identification of potential pollutant sources including a facility map and activities description.	% of completion of facility description, identification of potential pollutant Sources and the map.

**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.)
SWPPP-2.4.7.2.b.iii&iv	Las Piedras will select, design, install, and implement the control measures detailed in permit section 2.4.7.2.iii & 2.4.7.2.b.iv. in the SWPPP.	Formal verification that the SWPPP contains the elements in permit Sections 2.4.7.2.b.iii and 2.4.7.b.iv.
SWPPP-2.4.7.2.b.v	Las Piedras will conduct site inspections on areas that are exposed to stormwater and all stormwater control measures at least once quarterly.	Formal verification that the SWPPP contains the elements in permit Sections 2.4.7.b.v.
SWPPP-2.4.7.2.b.vi	Las Piedras will repair or replace (before the next anticipated storm event if possible or as soon as Practicable following that storm event)	Formal verification that the SWPPP contains the elements in permit Sections 2.4.7.b.vi.
	Control measures that need repair or are not operating effectively; or in the Interim will have back-up measures in place.	

**Part J. Application Certification and Signature**

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

Signature of Mayor/Elected Official:  \_\_\_\_\_Print Name of Mayor/Elected Official: Hon. Miguel A. López RiveraTitle: Las Piedras Municipality Mayor Date: September 8, 2017

**APPENDIX #1**

**URBANIZED AREA  
LOCATION MAP/BOUNDARIES**

a Sur  
6354

Quebrada Arenas  
bar 66793

Collores  
bar 19321

Ceiba  
bar  
16096

Las Piedras  
b-p 44433

**San Juan, PR 79093**

Las Piedras  
44390

La Fermina  
40563

Humacao b-p 355

