

# EPA Region 2 Small MS4 General Permit Annual Report 2023-2024

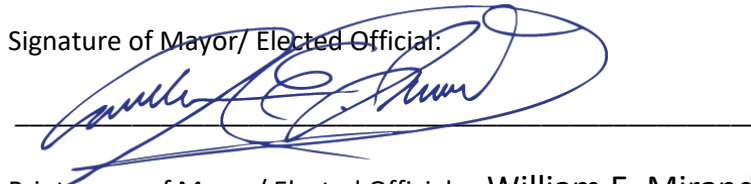
## General Information:

Small MS4 Annual Report for period: <b>JUL 2023- JUN 2024</b>		
MS4 Permit Number: <b>PR040001</b>		
Name of MS4: <b>Autonomous Municipality of Caguas</b>		
Primary Contact: <b>Guillermo Rivera Cruz</b>	Title: <b>Environmental Affairs Office Director</b>	
Phone number: <b>(787) 653-6354</b>	Email Address: <b><a href="mailto:guillermor@caguas.gov.pr">guillermor@caguas.gov.pr</a></b>	
Mailing Address: <b>PO Box 907</b>		
City: <b>Caguas</b>	State: <b>PR</b>	Zip Code: <b>00726-0907</b>

## Certification:

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: **William E. Miranda Torres**

Title: **Mayor**

Date: **August 30, 2024**

### Summary:

Permittees covered under the 2016 Small MS4 General Permit (this point forward, MS4-GP) must submit annual reports to the Federal Environmental Protection Agency (this point forward, EPA), as required by Part 3.4 of the Permit. This annual report, corresponding to the July 1, 2023 - June 30, 2024, period, is due on July 31, 2023.

### Annual Report Information Requirements:

#### **I. Self-Assessment review of compliance with the permits terms and conditions (section 3.4.2.1)**

For this reporting period, Caguas used the updated Stormwater Management Plan (this point forward, SWMP), submitted to EPA in 2018. All the efforts and best management practices implanted during this reporting period were included in this SWMP as stated in the 2016 MS4-GP.

Chapter IV in this report summarizes Caguas self-assessment of compliance based on the MS4 Permit.

#### **A) Requirements of Caguas's NPDES Permit and compliance with 2016 MS4-GP terms and conditions**

##### **1) Development of a Stormwater Management Program (SWMP) – Sections 1.11 & 2.3 of 2016 Small MS4-GP**



The Municipality reviewed and amended the 2007 SWMP to include the 2016 MS4-GP requirements. The Municipality submitted the updated SWMP to EPA on June 27, 2018. Caguas has begun to implement the Best Management Practices (this point forward, BMP's) included in the updated 2018 SWMP. On March 27, 2019, we submitted a letter to the EPA soliciting the status of SWMP evaluation. On April 6, 2021, we received communication from EPA regarding the 2018 SWMP. EPA requested that the Municipality make changes to the 2018 SWMP and submit it again for further evaluation. The Municipality submitted an update SWMP on August 4, 2021. The 2016 NPDES permit expired on June 31, 2021, and a draft for the 2022 NPDES Permit was released for comments. The Municipality submitted comments dated May 13, 2022. Until further notice or the new permit is released, we will continue to use the 2021 updated SWMP.

##### **2) Within the first year following the date of authorization of coverage under the permit, the permittee shall determine whether the small MS4 may be a source of the pollutants of concern. – Section 2.2.2(a) of 2016 Small MS4-GP**

The receiving waters in which Caguas MS4 discharges are Rio Bairoa, Rio Cagüitas, Rio Cañas, Rio Grande de Loíza, and Rio Turabo. Based on the information obtained from Puerto Rico's 2022 303(d) & 305(b) Integrated Report from the Puerto Rico Environmental & Natural Resources Department (PRENRD), the pollutants of more concern in Caguas are: **Enterococcus, turbidity, surfactants, chromium VI, phosphorus, nitrogen, lead, temperature, pesticides, and copper.** The table below indicates the impaired water bodies where Caguas' separate storm sewer system discharges, the cause of impairment, and the probable source.

Based on this information, Caguas has determined that its MS4 may be a source of the pollutants of concern **Total Coliforms, Turbidity, and Surfactants**, discharging to Rio Bairoa, Rio Cagüitas, Rio Turabo, and Rio Grande de Loíza.

Total Coliforms are a group of bacteria that are widespread in nature. Some members of the coliform group can be present in pet waste (fecal coliforms), soil, submerged wood, and other

places outside the human body. During rain events, bacteria wash down the drain. Sanitary sewer overflows (SSO) and sanitary pipe breakage of the Puerto Rico Aqueduct Sewer Authority's (PRASA) sanitary sewer system also wash bacteria down the drain. Turbidity is an optical determination of water clarity. It can be suspended sediment from soil erosion, runoff, discharges, stirred bottom sediments, or algal blooms. Pollutants in urban runoff such as dissolved metals and pathogens can attach to suspended particles and enter the water.

Surfactants encompass a wide range of organic chemicals added to soaps, dishwashing liquids, laundry detergents, and shampoos. Surfactants may enter the waterways when they are washed down the drain. Sanitary water contains surfactants and can access the storm drains when the system overflows. Vehicle washing and water from laundry machines can sometimes access the storm drains.



**(left blank intentionally)**

**Table 1: Impaired Water Bodies Where Caguas MS4 discharges and the Probable Source of Impairment – 2022**

Impaired water	Cause of Impairment	Probable source
Rio Bairoa	Phosphorus	Collection system failure (including septic tanks)
	Enterococcus	Collection system failure (including septic tanks), Urban runoff/storm sewers
	Nitrogen	Minor Industrial Point Source
	Chromium VI	Collection system failure (including septic tanks), Urban runoff/ storm sewers
Rio Cagüitas	Turbidity	Collection system failure (including septic tanks), Confined feeding operations
	Enterococcus	Collection system failure (including septic tanks), Urban runoff/storm sewers
	Phosphorus	Collection system failure (including septic tanks)
	Nitrogen	Minor Industrial Point Source
	Chromium VI	Collection system failure (including septic tanks), Urban runoff/ storm sewers
	Surfactants	Collection system failure (including septic tanks), Urban runoff/ storm sewers
	Temperature	Streamflow, Depth, Meteorological Conditions, Urban runoff/storm sewers
Rio Turabo	Turbidity	Collection system failure (including septic tanks), Confined feeding operations, agriculture
	Temperature	Streamflow, Depth, Meteorological Conditions, Urban runoff/storm sewers
	Phosphorus	Collection system failure (including septic tanks)
	Enterococcus	Collection system failure (including septic tanks), Confined feeding operations, Agriculture
	Cooper	Minor industrial point source, collection system failure (including septic tanks)
	Chromium VI	Minor industrial point source, Minor municipal point source
	Lead	Minor industrial point source, collection system failure (including septic tanks)
Rio Grande de Loíza (PRER14A2)	Phosphorus	Collection system failure (including septic tanks)
	Temperature	Streamflow, Depth, Meteorological Conditions, Urban runoff/storm sewers
	Turbidity	Collection system Failure (including septic tanks), Confined feeding operations, agriculture, minor industrial point source, urban runoff/storm sewer
	Chromium VI	Major industrial point source
	Pesticides	Agriculture, Minor industrial point source

## B) Best Management Practices (BMP's) Achievements

### 1) Public Education and Outreach – section 2.4.2 of 2016 Small MS4-GP

Caguas has effectively implemented a public education program:

- a) Caguas prepared and distributed educational material (brochures and other educational texts) during educational activities. The educational texts contain information about different initiatives to reduce stormwater pollution.
- b) Caguas offered educational activities such as workshops, training, and seminars to target audiences such as students from all educational levels and the public in communities.
- c) The Environmental Affairs Office webpage offers educational material related to different initiatives to reduce stormwater pollution, laws, and regulations regarding stormwater pollution issues.
- d) Since 2006, Caguas developed informal training about illicit discharge detection and elimination and pollution prevention in municipal operations for employees and municipal police officers.

### 2) Public Involvement – section 2.4.3 of 2016 Small MS4-GP

- a) We celebrated a face-to-face meeting with the Municipal Land Use Community Board (MLUCB) to present stormwater issues and valuable information about SWMP implementation. Additionally, on our Municipality website, NPDES information was available to them. Also, we printed reports for MLUCB member's evaluation and feedback.
- b) Caguas continued to celebrate municipal clean-up events and municipal fairs in various wards involving communities and municipal employees to recollect recycling material and waste that could affect stormwater systems or provide educational materials and orientations about stormwater management, water conservation strategies, and environmental themes.

### 3) Illicit Discharge Detection and Elimination – section 2.4.4 of 2016 Small MS4-GP

- a) Caguas has an enforcement program to detect and eliminate illicit discharges into the MS4. It involves the Environmental Affairs Office, the Municipal Police, the Public Works Department, and the Permits Office.
- b) Caguas has not completed a storm sewer system map, showing the location of all outfalls, due to problems in the recruitment of specialized resources for this task and budget limitations. Nevertheless, we keep continuous advance towards the completion of this task in coordination with the Planning Office and Municipal Permits Office.
- c) Caguas had included articles in its Municipal Law Code and adopted state regulations and enforcement procedures to prohibit non-stormwater discharges to the MS4.
- d) Caguas has developed a **formal** plan and dry weather field screening to detect and address non-stormwater discharges to the MS4. However, in situations related to EPA requirements, budget situations and limitations related to the Election Year State Law, we rescheduled to start these tasks during the next permit cycle.
- e) Caguas has developed a **formal** catchment prioritization using the data available. We scheduled to start these tasks during the next permit cycle. However, we continued to develop random inspections to these areas to validate their prioritization status.

**4) Construction Site Storm Water Runoff Control – section 2.4.5 of 2016 Small MS4-GP**

- a) Caguas had adopted a municipal ordinance that requires developers to obtain coverage under the General Consolidated Permit from the Puerto Rico Permits Management Office (OGPe) and the PRENRD.
- b) Caguas had developed procedures for construction site plan evaluation, through the Municipal Permits Office.
- c) Caguas had developed an informal inventory of all permitted active and public constructions that required a NOI, through the Municipal Permits Office, OGPe, and EPA.
- d) Caguas had developed a standard operation procedure (SOP) for receipt and evaluation of information submitted by the public regarding construction sites.
- e) Caguas had developed procedures for site inspection and enforcement of control measures for construction sites, which includes inspections and maintenance of records of the enforcement executed on construction sites.
- f) Caguas has created liaison efforts with PRENRD, EPA, and OGPe to refer situations of environmental violations under their jurisdiction for further procedures.

**5) Post-Construction Storm Water Management in New Development and Redevelopment – section 2.4.6 of 2016 Small MS4-GP**

- a) We continue with no achievements in this area. Caguas has not developed a regulatory mechanism or a written procedure to address post-construction runoff from new developments and redevelopments because many regulations related to stormwater management in new development and redevelopment required by this permit, are responsibilities of State and Federal regulatory agencies. Caguas depends mainly on State regulations and actions to comply with enforcement. Nevertheless, Caguas will make efforts towards complying with these permit conditions.
- b) Caguas had developed procedures for site inspection and enforcement of control measures for construction sites, which includes inspections and maintenance of records of the enforcement executed on construction sites.
- c) Caguas has created liaison efforts with PRENRD, EPA, and OGPe to refer situations of environmental violations under their jurisdiction for further procedures.

**6) Pollution Prevention and Good Housekeeping for Municipal Operations – section 2.4.7 of 2016 Small MS4-GP**

- a) Caguas performs operations and maintenance programs for preventing or reducing pollutant runoff from municipal operations. We developed a written document, that we reviewed every year to include new operational procedures.
- b) Caguas performed quarterly Stormwater Prevention Pollution Plan (SWPPP) inspections and corrective reports to the Center of Municipal Operations (CMO).
- c) Caguas performed storm sewer inspections required by the Municipal Public Works Department for system evaluation and the Puerto Rico Aqueduct and Sewer Authority in case of sanitary overflow or illegal connections.
- d) The current CMO-SWPPP needs amendments to comply with the updated SWMP. Due to personnel reduction, we can't perform this task. However, we implanted SWMP initiatives in the CMO-SWPPP inspections, according to the updated SWMP. When the new permit was finally approved, we undergo a complete revision of the CMO-SWPPP and the SWMP.



**II. Assessment of the appropriateness of the selected BMP's (section 3.4.2.2) and changes in the identified BMPs or measurable goals (section 3.4.2.7)**

The following tables include the assessment of the BMP's included in the 2021 updated SWMP. As we used the 2021 update SWMP to address MS4 requirements this fiscal year, all the BMP's are appropriate and do not need to be modified until further implementation experiences. After the COVID-19 situations, we integrated social media, internet tools, and virtual meetings to all BMP's related to public education, outreach, public participation & involvement.

**Legal Authority and Enforcement**

BMP Description	Is the BMP Appropriate?	Modification(s) to BMP for next permit cycle and/or measurable goals
Evaluation of Regulatory Mechanism of Control Measures	Yes	BMP is appropriate and is updated as needed to comply with the permit's requirements.
Amendments of the Municipal Code Stormwater Workshops	Yes	BMP is appropriate and is updated as needed to comply with the permit's requirements.

**MCM Public Education and Outreach**

BMP Description	Is the BMP Appropriate?	Modification(s) to BMP for next permit cycle and/or measurable goals
Distribute Stormwater Education Materials	Yes	BMP is appropriate and is updated as needed to comply with the permit's requirements. The Municipality constantly updates or includes new information about stormwater.
Stormwater Workshops	Yes	BMP is appropriate and is updated as needed to comply with the permit's requirements. The Municipality participated in educational activities related to stormwater initiatives, by invitation from other organizations or as part of our educational program through the City. Also, we included social media, internet tools, and virtual meetings to continue offering workshops.
Stormwater Workshops for Municipal Employees	Yes	BMP is appropriate and is updated as needed to comply with the permit's requirements. The Municipality celebrated informal training for the COM employees. However, we will continue with our formal training sessions. It's important to address that in fiscal year 2021-2022, one of our Environmental Specialist was certified as a Stormwater Coordinator.
Educational Website	Yes	BMP is appropriate and is updated as needed to comply with the permit's requirements. The Municipality constantly updates or includes new information about stormwater on our website.

*[Handwritten signature]*

#### MCM- Public Participation and Involvement

BMP Description	Is the BMP Appropriate?	Modification(s) to BMP for next permit cycle
Conduct Public Hearings on Stormwater Issues	Yes	If not feasible a public hearing, the Land Use Community Boards meetings will be used instead, as their members represent citizens from all wards of the Municipality. Technological software and social media were used to contact some members for information and feedback.
Involve the public in municipal clean up events	Yes	The Municipality celebrates these events during the year.
Availability of SWMP to the public	Yes	The document is available on our webpage (digital) and our Office (hard copy) for reviewing and information.

#### MCM Illicit Discharge Detection and Elimination

BMP Description	Is the BMP Appropriate?	Modification(s) to BMP for next permit cycle
Development of a written IDDE Program	Yes	Caguas will continue this project with the available resources.
Catchment Prioritization	Yes	This information is available online and will be used as part of the priority ranking of catchment requirements. Caguas will continue this project with the available resources.
Written Procedures for Outfall Screening and Sampling	Yes	Caguas will continue this project with the available resources.
Stormwater System Map of MS4	Yes	Caguas will continue this project with the available resources. The map has not been finished yet.
Outfall Inventory	Yes	Caguas will continue this project with the available resources. The inventory has not been finished yet.

#### MCM Construction Site Stormwater Runoff Control

BMP Description	Is the BMP Appropriate?	Modification(s) to BMP for next permit cycle
Construction Ordinance Review	Yes	No Modification is needed. Caguas will continue this project with the available resources.
Construction Site Runoff Control Program	Yes	No Modification is needed. Caguas will continue this project with the available resources.
Plan & Pre-Construction Review Procedures	Yes	No Modification is needed. Caguas will continue this project with the available resources until the extent allowable by the Commonwealth of Puerto Rico.
Construction Site Inventory	Yes	No Modification is needed.
Referrals to Environmental State Agencies and Permit Offices	Yes	No Modification is needed.



### MCM Stormwater Management in New Development and Redevelopment

BMP Description	Is the BMP Appropriate?	Modification(s) to BMP for next permit cycle
Development of Written Development and Redevelopment Program	Yes	No Modification is needed. Caguas will continue this project with the available resources until the extent allowable by the Commonwealth of Puerto Rico.
Development of a Regulatory Mechanism	Yes	No Modification is needed. Caguas will continue this project with the available resources until the extent allowable by the Commonwealth of Puerto Rico.
Post Construction Controls Inspections	Yes	No Modification is needed. Caguas will continue this project with the available resources.
Referrals to Environmental State Agencies and Permit Office	Yes	No Modification is needed.

### MCM Pollution Prevention and Good Housekeeping for Municipal Operations

BMP Description	Is the BMP Appropriate?	Modification(s) to BMP for next permit cycle
Development of Operations and Maintenance Procedures Manual	Yes	No modifications are needed.
SWPPP Development and Update	Yes	No modifications are needed. No SWPPP for other properties is required, until further evaluation.
SWPPP Inspections	Yes	No modifications are needed.
Storm Sewer Inspections	Yes	No modifications are needed.

### III. Status of plans or activities required by section 2.1 and/or 2.2 (section 3.4.2.3)

- A. Compliance of Section 2.1: **Water Quality Standards Effluent Limitations:** Identification of all discharges determined to be causing or contributing to an exceedance of water quality standards and a description of the response, including all in section 2.1.1.c
  1. Caguas is studying all the available data at the State and Federal level including, but not limited to, a list of contaminated water bodies and data available on the EPA Web pages (EPA Enforcement and Compliance History Online website) to assess whether the discharges cause or contributes to an exceedance on applicable water quality standards.
- B. Compliance of Section 2.2: **Discharges to Water Quality Impaired Waters:** The permittee shall identify all discharges in the SWMP and Annual Reports, including both outfalls and interconnections to other MS4 or other separate storm sewer systems, that:
  1. Are subject to an approved Total Maximum Daily Load (TMDL) as identified in Section 2.2.1; or
  2. Discharge to a water identified as impaired by the Puerto Rico Environmental Quality Board (PREQB) pursuant to Section 303(d) of the Clean Water Act and for which TMDL development has been identified as necessary, but for which a TMDL has not yet been approved.

- a. According to 2022 PREQB Sections 305(b) and 303(d) Integrated Report, the following water bodies that pass-through Caguas were identified as impaired waters: **Rio Grande de Loiza, Rio Cagüitas, Rio Turabo, and Rio Bairoa**. Nevertheless, Rio Grande de Loiza (PRER14A2), Rio Bairoa, and Rio Turabo assessment units have a high priority for the development of TMDL. Caguas has identified outfalls but has not assigned an ID number for reference. We identified them by water body name.

#### IV. Assessment of the progress towards achieving the measurable goals and objectives of each control measure (section 3.4.2.4)

The following tables summarize the performance of the Caguas MS4 program for each MCM for this permit cycle, as well as the progress towards achieving measurable goals of each control measure.

Legal Authority and Enforcement			
BMP	Measurable Goal	Target Audience Reached	Summary of Results
Evaluation of Regulatory Mechanism of Control Measures	Number of evaluation meetings celebrated	Targeted Audience Reached.	One (1) face-to-face meeting was celebrated on March 12, 2024, with the Municipal Land Use Community Board members to share information and feedback about NPDES tasks.
Amendments of the Municipal Code Stormwater Workshops	Number of amendments included in the Municipal Law Code related to new policies in NPDES.	Multiple amendments	The City Council includes our comments as amendments to the Municipal Code. The new Municipal Code was approved on April 1, 2020.

Public Education and Outreach			
BMP	Measurable Goal	Target Audience Reached	Summary of Results
PE1-Develop, edit, and distribute stormwater education materials targeting pollutants of concern	Amount of material distributed.	General Public (1,234 brochures)	Our Office distributed different educational materials in municipal offices, educational activities, and virtual meetings.
	Revision of educational material and available new information.	Completed YES	Our Office revised and updated the educational materials for the workshops provided and the Municipality's Internet page.
PE 2 Deliver Stormwater Workshops and other educational activities to educate the general public	At least one workshop per audience per year. Amount and diversity of participants.	We held one workshop.  Caguas Compite Entrepreneur Program Date: June 13, 2024  35 participants	Our Office developed educational efforts in communities and food businesses about stormwater pollution prevention. We also integrate social media, internet tools, and virtual meetings for education purposes.

Public Education and Outreach			
BMP	Measurable Goal	Target Audience Reached	Summary of Results
PE3 Employee Training	Provide training at least once a year to a group of employees.	Municipal Police NPDES Compliance Workshop Date: <b>October 3-6, 2023</b>	Our Office developed <b>four (4)</b> workshops to our police staff on how to prevent pollution & law enforcement through our Municipal City Code during daily operations. NPDES information, SOP and compliance policies are available on the Municipality webpage.
PE4 Maintain an Educational Page within the city's internet site	Electronic documentation of the number of hits to Stormwater	<b>1,406</b>	This year, our audience was significantly similar to the past year, due to continuous software improvements in its capacity to register the proper number of interactions.

Public Involvement/ Participation			
BMP	Measurable Goal	Target Audience Reached	Summary of Results
PI1 - Conduct Public Hearings or Municipal Land Use Community Board Meetings	The number of participants and the amount of input received.	No Target Audience Reached	Our Office celebrate one (1) meeting with the Municipal Land Use Community Board related to MS4-GP and achievements. We continued to receive citizen's phone calls and complaints to address stormwater issues.
PI2 - Involve the public in municipal clean up events	Get as many people as possible involved in the activities.	<b>107</b> communities, <b>68</b> private and public schools, <b>148</b> commercial and industrial sites, <b>41</b> state and municipal entities, <b>51</b> municipal offices, and <b>5</b> community recycling recovery centers. The Municipality recollected <b>6,382.68</b> tons of recyclable materials for further processing.	All these sectors participated in our Waste Reduction Program administered by the Municipal Recycling and Sanitation Department. We have a reduction compared to the last report. Situations related to schools closing permanently and stores out of business. Also, we celebrated <b>twenty-two (22) clean-up events</b> in Beatriz, Turabo, Bairoa, Tomás de Castro, Boriquen, San Salvador, Cañaboncito, Rio Cañas, Cañabón, and San Antonio wards and <b>thirteen (13) educational workshops</b> about recycled materials to schools, communities, and private sector.
PI3 - Availability of SWMP to the Public	Provide general access to the SWMP. The amount of public revision and recommendations.	General Public	The Municipality updated the SWMP in August 2021 and it is available on our Internet homepage for reviews, comments, information, and feedback. We don't receive requests for information or comments related to this document.

Illicit Discharge Detection and Elimination (IDDE)			
BMP	Measurable Goal	Status	Summary of Results
IDDE1 – Develop a written program in compliance with the MS4 permit requirements	Edit the current document to include new permit requirements	Reviewed annually	The Environmental Affairs Office received <b>21</b> complaints about regulating illicit discharges. Also, we referred to PRASA <b>45</b> illicit sewage discharges to MS4 or waterbodies for evaluations and repairs. The Municipal Police Department received complaints and submitted fines for municipal ordinance violations, of which <b>three (3)</b> were dismissed by our Municipal Administrative Court. The Public Works Department did not find and refer to any illicit discharges from PRASA to the storm sewer system during inspections around the city. The Municipal Emergency Management Office handled <b>thirteen (13)</b> vehicle fluid spills on roads and pavement. In both, the Municipal Emergency Management Office personnel take control of the situation and develop mitigation procedures to avoid spill discharges to the stormwater system.
IDDE2 - Catchment Prioritization	Prioritize catchments based on the assessment.	In progress	Evaluation of gathered information started.
IDDE3 – Outfall screening and sampling	Amount of dry and wet screenings performed during the reporting period.	In progress	We finished to elaborate a Dry Screening Standard Operation Procedure (SOP), but no screening was made during this reporting period.
IDDE4 – Continue developing storm sewer map	Complete the map at the end of the permit period.	In progress	Due to budget restrictions, the Municipality canceled the digitalizing contract due to the higher cost. The rest of the project will be completed in-house with the available resources. Only <b>6.12mi<sup>2</sup></b> was completed, of the total of <b>21.93mi<sup>2</sup></b> to be digitalized. Due to the lack of funds and human resources, this task is suspended until further notice. However, the Planning Office continues to evaluate mechanisms to continue this task using federal funds CBDG, or other resources. No geographers are available in the municipality.
IDDE5 – Develop an outfall inventory	The number of outfalls identified each year will be used as an indicator.	In progress	This task depends on the digitalizing map progress. However, we identified almost five (5) important outfalls to be analyzed: <b>Los Muertos Creek</b> – Downtown, <b>Santo Domingo Creek</b> – Downtown, <b>Los Muertos Creek</b> – Villa del Rey Community, <b>Mundaca Creek</b> – Rio Grande de Loiza & <b>PR-788</b> – Rio Turabo

Construction Site Runoff Control			
BMP	Measurable Goal	Status	Summary of Results
CONS1 – Construction Ordinance Review	Review the ordinance by the end of the second year of the permit	In Progress	Scheduled for the next reporting period.
CONS2 - Construction site runoff control program	Fully develop and implement the program at the end of the permit term.	In Progress	The Municipality, through the Permits Office, Recovery and Reconstruction Office, and Puerto Rico Permits Management Office received <b>two (2)</b> construction sites greater than one (1) acre for permit evaluation. Only the Villa Nueva Stormwater Improvements was inspected. No referrals to the PRENRD were made on construction sites greater than one (1) acre. However, in the Villa Nueva project, we find deficiencies or noncompliance issues caused by the contractor.
CONS3 – Plan review procedures and pre-construction review procedures	Revise and edit the plan to review procedures to seek compliance with PRENRD.	In progress	The written procedure has been under revision due to the recent regulation changes at the local government level and the court decision related to the Permit regulatory process.
CONS4 – Develop a construction site inventory	Update the inventory annually.	Completed	During this reporting period, there was <b>two (2)</b> active construction site, greater than one (1) acre. (Villa Nueva Stormwater Improvements & state Court Building Sanitary Sewer Replacement)
CONS5 - Referrals to environmental state and permits office	Amount of cases referred to state.	Completed	The Villa Nueva project was referred to our Office for noncompliance evaluations. PRENRD personnel have information about these situations.

(left blank intentionally)

Post-Construction Storm Water Management in New Development and Redevelopment			
BMP	Measurable Goal	Status	Summary of Results
POST1 - Develop a written Development and Redevelopment Program	Complete written procedure to control stormwater discharges from private and public constructions sites.	In process	In the process of determining Caguas legal authority over exclusive state jurisdiction, before developing the procedures.
POST2 – Develop a regulatory mechanism	Develop a regulatory mechanism to address post-construction runoff.	In process	In the process of determining Caguas legal authority over exclusive state jurisdiction, before developing the procedures.
POST3 – Post-Constructs Controls Inspections	Develop a site inspection and enforcement program to require compliance in post-construction sites	Completed	There is one (1) redeveloped site inspected (Storm sewer System Improvements at Villa Nueva Community). All documentation related to this project is sent to OGPe & PRENDR for further environmental compliance evaluation.
POST4 – Referral to environmental state and permits office.	Amount of cases referred to state.	Completed	Our Office did not refer post-construction developments or redevelopment projects to state environmental and permit offices during this reporting period. Because our Municipality doesn't have the jurisdiction to evaluate projects that exceed some construction and zoning parameters, the state OGPe is responsible for the evaluation and approval. OGPe doesn't submit documents related to these construction projects to the Municipality for endorsement or evaluation, no matter what the Municipality requests to coordinate this process.

(left blank intentionally)



Pollution Prevention and Good Housekeeping for Municipal Operations				
BMP	Measurable Goal	Status	Summary of Results	
PP1 – Develop an Operations and Maintenance Procedures Manual	Update the current manual.	Reviewed annually	Our Office continued the revision and edition of the existing manual due to the updated SWMP regulation.	
PP2 – Facilities Stormwater Pollution Prevention Plan (SWPPP) development and update	Edit and update current SWPPP. Develop others as necessary.	In progress	During this year, our Office continued the revision and edition of the existing COM-SWPPP. Due to other operational situations, this task has been suspended until further notice. During this revision, we will continue to use the 2011 COM SWPPP, because no major changes occurred between the 2012 & 2016 NPDES Permit requirements.	
PP3 - SWPPP Inspections	Amount of stormwater inspections	Completed	We developed monthly inspections to our Transportation Service Area for a total of twelve (12) inspections and <b>three (3) inspections</b> in the Center for Municipal Operations using the current SWPPP (August 2023, December 2023 & April 2024)	
PP4 – Storm sewer inspections	Amount or inspections during the reporting year	# Inspections	# Maintenance Efforts	# Replaced Damaged Stormwater Infrastructure
		246	189	6 projects: in Cañaboncito Arriba, Villa Sauri, Santa Juana, Calle Gautier Benitez, Ave. Gautier Benitez, and La Serrania

**V. Outfall screening and monitoring data collected by or on behalf of MAC - pursuant 2.4.4 and 3.3 (section 3.4.2.5)**

Caguas did not perform screening and monitoring during this reporting period, as required by this section. However, the Dry Screening Plan was finally develop and will be implemented in the next year period.

**VI. Description of activities for the next reporting cycle (section 3.4.2.6)**

The following activities will be performed during the next reporting cycle:

**Public Education and Outreach**

- Educational activities will be performed in communities, schools, businesses, and to municipal employees (Municipal Police, building maintenance employees, and contractors) to educate them about the hazards associated with illegal discharges, improper disposal of waste, the impact that

stormwater discharges can have on local waterways, as well as the steps that the public can take to reduce pollutants in stormwater; through social media and virtual meetings to minimize physical contact by COVID-19 pandemic restrictions.

- Revise and update educational material as needed.

#### **Public Involvement**

- Continue to make SWMP available to the public to get input from them.
- Our personnel will be available to explain the contents of the SWMP and final annual reports during the Municipal Land Use Community Boards, City Council, or other community meetings, to give members the opportunity for public comments, using social media, virtual meetings, or email.

#### **Illicit Discharge Detection and Elimination**

- Update the SSO inventory.
- Continue to develop the MS4 digitalized map.
- Assess and prioritize the ranking of catchments in terms of their potential to have illicit discharges and SSOs and the related public health significance.
- Dry weather screening and sampling.
- Illicit discharge inspections to identify responsible parties and require discharge elimination.

#### **Construction Site Stormwater Runoff Control**

- Construction site inspections on all private and public construction sites to require state and federal compliance (if applicable).
- Continuing referrals to state environmental agencies and permit offices if the Municipality finds violations in NPDES regulations or other environmental issues.

#### **Stormwater Management in New Development and Redevelopment**

- Develop, to the extent allowed under the Commonwealth of Puerto Rico and local law, a program to control stormwater discharges from new development and redevelopment sites that discharges to the MS4 and disturbs one acre or more.
- Continuing referrals to state environmental agencies and permit offices if the Municipality finds violations in NPDES regulations or other environmental issues.

#### **Pollution Prevention and Good Housekeeping**

- Revise written operation and maintenance procedures for the municipal activities listed in the permit.
- Continue to perform SWPPP inspections in required municipal facilities
- Continuing the collaboration with PRASA and our Department of Public Works to detect situations with stormwater or sanitary systems.

**VII. Description of any changes in identified BMPs or measure goals.**

As we used the 2021 update SWMP to address MS4 requirements this fiscal year, all the BMP's are appropriate and do not need to be modified until further implementation experiences.

**VIII. Description of activities undertaken by any entity contracted for achieving any measurable goal or implementing any control measure.**

The following table describes the activities undertaken by entities contracted by the Municipality of Caguas and the applicable measurable goals. These entities are obligated to comply with NPDES regulations through contract clauses.

Entity or person Contracted	Description of activities	Applicable measurable goal
EC Waste Corp.	In charge of residential solid waste collection and disposal, including materials from municipal cleanup activities	Amount of residential solid waste recovered and properly disposed
IFCO	Recycling company in charge of receiving recyclable materials for reuse and recycling	Number of recyclable materials available for reuse and recycling
Vivo Recycling	Recycling company in charge of recovering vegetative waste for reuse or composting. The vegetable materials are picked up during public service requests or produced during the maintenance of public areas.	Amount of vegetative waste recovered for further procedures
Landscaping (13 private contracts and 6 nonprofit organizations)	In charge of landscaping and maintenance of green areas on streets and recreational areas in specific sites throughout the Municipality. These companies are instructed in NPDES regulations and contractual consequences for no compliance with permit regulations, are included in the contracts.	Number of public areas and municipal buildings attended  Evaluating the company's performance in compliance with NPDES regulation and stormwater system protection.
Schnitzer Corp.	Recycling company in charge of recovering damaged white goods and scrap for recycling. These materials are picked up during public service requests or produced during the maintenance of public areas	Amount of damaged white goods and scrap recovered for further procedures.
Lamp Recycling	Recycling company in charge of recovering damaged fluorescent lamp light bulbs for proper disposal. These materials are picked up during the maintenance of public areas and other communities' buildings	Amount of damaged fluorescent lamp light bulbs recovered for further procedures.

STORMWATER ILLEGAL DISCHARGES REPORT 2023-2024 NPDES PERMIT NO. PRR040001 AUTONOMOUS MUNICIPALITY OF CAGUAS										
Case Number	Date of the Complaint	Inspection Date	Complaint Identification	Description of the discharge	Street	Sector	Ward	Type of Discharge	Inspector Name	Status
1882	11/8/2023	11/9/2023	Permit Office	Consuelos Café food truck illegally discharges gray waters into the MS4	Zakura street	Bairoa I	Bairoa	Illegal connections, or illegal discharges	Jose Ortiz	Canceled (inspection, notice of violation, mitigation tasks)
1871	07/20/2023	07/20/2023	Jose Ortiz	Illegal discharge of gray waters. Illegal connection coming out of the septic tank	PR-785 Interior Km 0.1	La Cantera	Cañaboncito	Illegal discharge, Illegal connections, or septic tank overflow	Jose Ortiz	Completed (inspection, notice of violation, mitigation tasks)
1872	7/31/2023	8/31/2023	Jose Ortiz	Illegal connection of gray waters discharging into the stormwater system. Bird's cages near the edge of the pipe and water used to clean the area reach the body of water	PR-785	La Cantera	Cañaboncito	Illegal connections, other illegal discharges, or other	Jose Ortiz	Completed (inspection, notice of violation, mitigation tasks)
1876	8/1/2023	8/1/2023	Jose Ortiz	Nursing home El Flamboyán discharges gray waters into the MS4	PR-796 km 0.4	La Guasabara	Rio Cañas	Illegal discharge or illegal connections	Jose Ortiz	Completed (inspection, notice of violation, mitigation tasks)
1877	8/9/2023	8/9/2023	Millie Cruz	Sanitary sewer overflow that comes from CJ Hardware and Garden	PR-1Km 38.6	Villa del Rey 2	Turabo	Manhole overflow or odor complaint	Jose Ortiz	Completed (inspection, notice of violation,

STORMWATER ILLEGAL DISCHARGES REPORT 2023-2024 NPDES PERMIT NO. PRR040001 AUTONOMOUS MUNICIPALITY OF CAGUAS										
Case Number	Date of the Complaint	Inspection Date	Complaint Identification	Description of the discharge	Street	Sector	Ward	Type of Discharge	Inspector Name	Status
1882	11/8/2023	11/9/2023	Permit Office	Consuelos Café food truck illegally discharges gray waters into the MS4	Zakura street	Bairoa I	Bairoa	Illegal connections, or illegal discharges	Jose Ortiz	Canceled (inspection, notice of violation, mitigation tasks)
1871	07/20/2023	07/20/2023	Jose Ortiz	Illegal discharge of gray waters. Illegal connection coming out of the septic tank	PR-785 Interior Km 0.1	La Cantera	Cañaboncito	Illegal discharge, illegal connections, or septic tank overflow	Jose Ortiz	Completed (inspection, notice of violation, mitigation tasks)
1872	7/31/2023	8/31/2023	Jose Ortiz	Illegal connection of gray waters discharging into the stormwater system. Bird's cages near the edge of the pipe and water used to clean the area reach the body of water	PR-785	La Cantera	Cañaboncito	Illegal connections, other illegal discharges, or other	Jose Ortiz	Completed (inspection, notice of violation, mitigation tasks)
1876	8/1/2023	8/1/2023	Jose Ortiz	Nursing home El Flamboyán discharges gray waters into the MS4	PR-796 km 0.4	La Guasabara	Rio Cañas	Illegal discharge or illegal connections	Jose Ortiz	Completed (inspection, notice of violation, mitigation tasks)
1877	8/9/2023	8/9/2023	Millie Cruz	Sanitary sewer overflow that comes from CJ Hardware and Garden	PR-1Km 38.6	Villa del Rey 2	Turabo	Manhole overflow or odor complaint	Jose Ortiz	Completed (inspection, notice of violation,

STORMWATER ILLEGAL DISCHARGES REPORT 2023-2024 NPDES PERMIT NO. PRR040001 AUTONOMOUS MUNICIPALITY OF CAGUAS										
Case Number	Date of the Complaint	Inspection Date	Complaint Identification	Description of the discharge	Street	Sector	Ward	Type of Discharge	Inspector Name	Status
										mitigation tasks)
1878	9/5/2023	9/7/2023	Amelia Marcano Montañez	The neighbor discharges the sanitary water and gray water into the MS4	PR-172 Km 3.0	Cañaboncito Arriba	Cañaboncito	Illegal discharges, illegal connection, or overflow of the septic tank	Jose Ortiz	Completed (inspection, notice of violation, mitigation tasks)
1880	9/7/2023	9/7/2023	Zamia Baerga	Discharge from a pipe that emanates an unpleasant odor at structure #46	#46 Acosta Street	El Pueblo	Pueblo	Illegal discharges or illegal connection	Jose Ortiz	Completed (inspection, notice of violation, mitigation tasks)
1881	9/18/2023	9/18/2023	Zaid	La Mordida restaurant discharges processed waters into the MS4. During the inspection, there was residue of oil and grease on the pavement	#70 Celis Aguilera Street	El Pueblo	Pueblo	Illegal discharges or odor complaints	Jose Ortiz	Completed (inspection, notice of violation, mitigation tasks)
1884	11/22/2023	11/22/2023	Anette	A Wendys franchise through away in bags the oils and cleaning products in the disposal	PR-34	San Alfonso	Pueblo	Odor complaints	Jose Ortiz	Completed (inspection, notice of violation, mitigation tasks).



STORMWATER ILLEGAL DISCHARGES REPORT 2023-2024 NPDES PERMIT NO. PRR040001 AUTONOMOUS MUNICIPALITY OF CAGUAS										
Case Number	Date of the Complaint	Inspection Date	Complaint Identification	Description of the discharge	Street	Sector	Ward	Type of Discharge	Inspector Name	Status
1885	12/11/2023	12/11/2023	Capitol Security Police	A residential neighbor from house #48 discharging paint into the MS4	las Nubes LN48 Via Naranjales Street	Hacienda San Jose	Cañabon	Illegal discharges	Jose Ortiz	Completed (inspection, notice of violation, mitigation tasks)
1886	12/21/2023	12/21/2023	Permit Office	Food truck El Bosquecito Sea Food has an illegal connection that discharges processed water into the MS4	PR156 Km 59.2	Valle Tolima	Cañabon	Illegal discharges or illegal connections	Jose Ortiz	Completed (inspection, notice of violation, mitigation tasks)
1887	12/21/2023	12/21/2023	Permit Office	Food truck La Garita Italiana has an illegal connection that discharges processed water into the MS4	PR156 Km 59.2	Valle Tolima	Cañabon	Illegal discharges or illegal connections	Jose Ortiz	Completed (inspection, notice of violation, mitigation tasks)
1888	12/21/2023	12/21/2023	Permit Office	Food truck La Receta de mi Abuela has an illegal connection that discharges processed water into the MS4	PR156 Km 59.2	Valle Tolima	Cañabon	Illegal discharges or illegal connections	Jose Ortiz	Completed (inspection, notice of violation, mitigation tasks)
1889	1/25/2024	1/25/2024	Jose Ortiz	Acai Express at Plaza Centro discharges processed water into the MS4. The business illegally	Plaza Centro Mall	El Pueblo	Pueblo	Illegal discharges or illegal connections	Jose Ortiz	Completed (inspection, notice of violation, mitigation tasks).

*(Handwritten signature)*

STORMWATER ILLEGAL DISCHARGES REPORT 2023-2024 NPDES PERMIT NO. PRR040001 AUTONOMOUS MUNICIPALITY OF CAGUAS										
Case Number	Date of the Complaint	Inspection Date	Complaint Identification	Description of the discharge	Street	Sector	Ward	Type of Discharge	Inspector Name	Status
				reconnected after I indicated in the notice on June 10, 2022, in which is stated to connect their sink to a holding tank or sanitary sewer system						
1890	1/19/2024	1/19/2024	Jose Ortiz	Mr. Norberto Polo stores filler material to be used in construction works. They also have illegal connections and discharges of process and sanitary water that reach the Beatriz stream.	PR765 Km 0.7	Borinquen Atravesada	Borinquen	Illegal discharges, Illegal connections, or septic tank	Jose Ortiz	Completed (inspection, notice of violation, mitigation tasks).
1891	2/15/2024	2/27/2024	Carlos Valdez	A neighbor near the Oiltec structure discharges processed water into the MS4	Camino El Cinco	El Cinco	Tomas de Castro	Illegal connections or illegal discharge	Jose Ortiz	Completed (inspection, notice of violation, mitigation tasks)
1892	2/26/2024	2/26/2024	Luis Rolon	Business La Estacion 8.21 discharge sanitary water into the Planet Solar parking lot	PR-1	Bairoa I	Bairoa	Septic tank overflow	Jose Ortiz	Completed (inspection, notice of violation, mitigation tasks)

STORMWATER ILLEGAL DISCHARGES REPORT 2023-2024 NPDES PERMIT NO. PRR040001 AUTONOMOUS MUNICIPALITY OF CAGUAS										
Case Number	Date of the Complaint	Inspection Date	Complaint Identification	Description of the discharge	Street	Sector	Ward	Type of Discharge	Inspector Name	Status
1893	3/6/2024	3/6/2024	Policia Marciano	A McDonald's franchise at Degetau Avenue has a manhole overflow	Degetau Avenue	El Pueblo	Pueblo	Manhole overflow	Jose Ortiz	Completed (inspection, notice of violation, mitigation tasks)
1894	4/8/2024	4/8/2024	Lydia Rivera Denizard	Raices restaurant has an overflow of processed water into the MS4	Pino	Villa Turabo	Pueblo	Illegal discharge	Jose Ortiz	Completed (inspection, notice of violation, mitigation tasks)
1895	4/30/2024	5/1/2024	Desire y Ramona	There is a broken sanitary pipe at house #6 and there is an overflow of sanitary water.	6 Marcelino Sola Street	Savarona	Pueblo	Manhole overflow	Jose Ortiz	Completed (inspection, notice of violation, mitigation tasks)
1896	6/26/2024	6/26/2024	Adelina Cuadrado	Their neighbor has a broken septic tank where the sanitary waters arrive at their residence	PR-172 Km 6.3	La Sierra	Cañaboncito	Septic tank overflow or Illegal discharge	Jose Ortiz	Completed (inspection, notice of violation, mitigation tasks)

NOTE: These complaints are provided by citizens by phone or visit our Office.

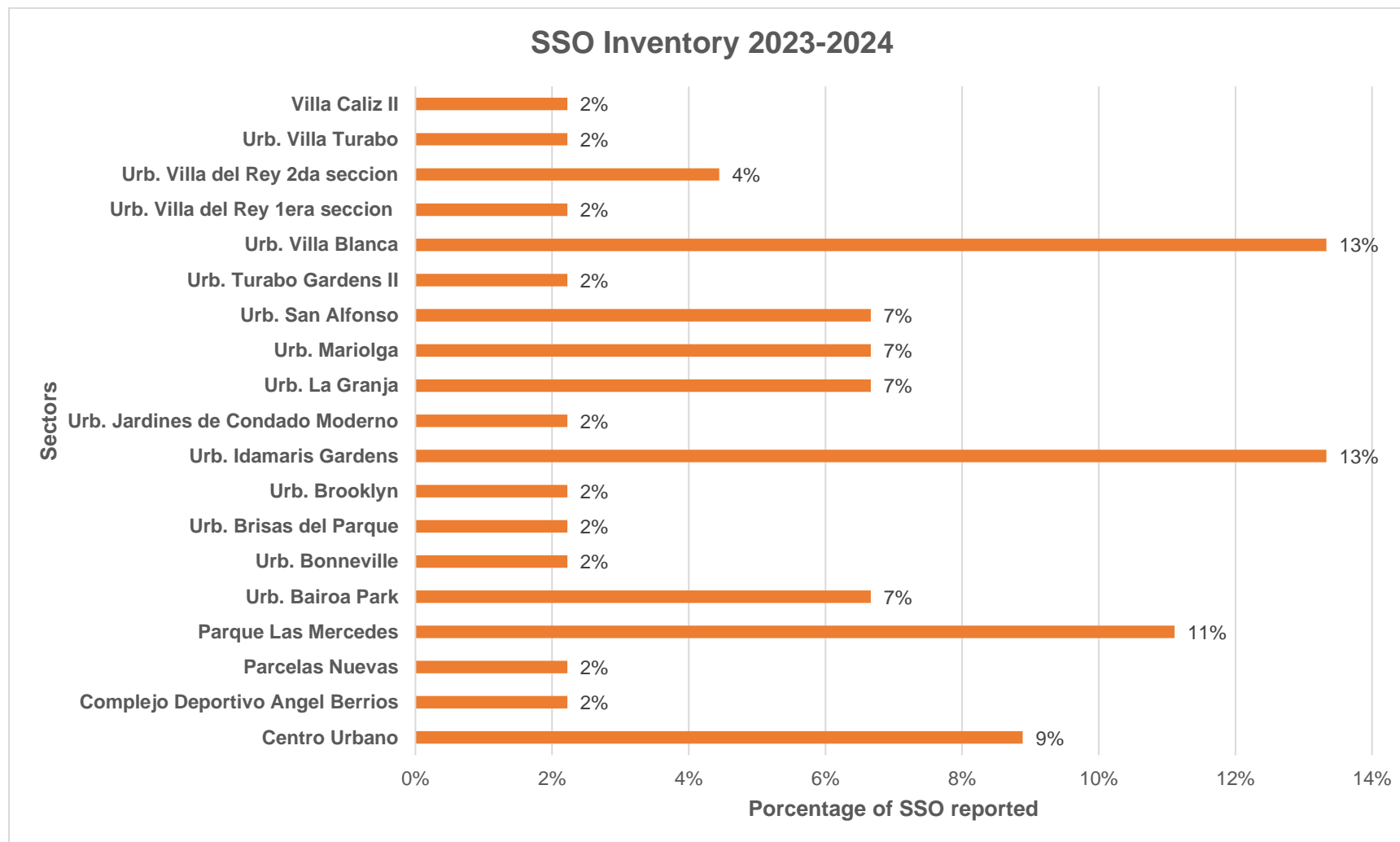
SANITARY SEWER OVERFLOWS INVENTORY 2023-2024 NPDES PERMIT NO. PRR040001 AUTONOMOUS MUNICIPALITY OF CAGUAS								
Date detected	Street	Sector	Ward	Discharging to	Receiving Water	Date eliminated	Suspected Cause of Discharge	Notes
Jul/07/2023	Calle Aljibe	Parque las Mercedes	Bo. Tomas de Castro	MS4	Rio Grande de Loiza	Eliminated by PRASA but date not available	Overloaded pipe	Recurring situation
Jul/ 11/2022	Calle Aljibe	Parque las Mercedes	Bo. Tomas de Castro	MS4	Rio Grande de Loiza	Eliminated by PRASA but date not available	Overloaded pipe	Recurring situation
Jul/17/2023	Calle San Ramon	Urb. Mariolga	Bo. Turabo	MS4	Unknown	Eliminated by PRASA but date not available	Overloaded pipe	Recurring situation
Jul/1/2023	Calle 4	Villa Caliz II	Bo. Cañaboncito	MS4	Unknown	Eliminated by PRASA but date not available	Overloaded Pipe	Recurring situation
Jul/21/2023	Calle San Andres	Urb. Brisas del Parque	Bo. Pueblo	MS4	Unknown	Eliminated by PRASA but date not available	Overloaded pipe	Recurring situation
Jul/26/2023	Calle Jimenez Sicardó	Centro Urbano	Bo. Pueblo	MS4	Rio Caguitas	Eliminated by PRASA but date not available	Collapsed Pipe	Recurring situation
Jul/31/2023	Calle Florencio Romero	Urb. Brooklyn	Bo. Pueblo	MS4	Quebrada Santo Domingo	Eliminated by PRASA but date not available	Overloaded pipe	Recurring situation
Ago/03/2023	Calle Goyco	Centro Urbano	Bo. Pueblo	MS4	Rio Caguitas	Eliminated by PRASA but date not available	Overloaded pipe	Recurring situation
Ago/07/2023	Calle 4	Urb. Turabo Gardens II	Bo. Cañaboncito	MS4	Unknown	Eliminated by PRASA but date not available	Overloaded Pipe	Recurring situation
Ago/09/2023	Calle Bonaparte	Urb. Villa del Rey 2da seccion	Bo. Turabo	MS4	Unknown	Eliminated by PRASA but date not available	Overloaded pipe	Recurring situation
Ago/09/2023	Calle Opalo	Urb. Villa Blanca	Bo. Pueblo	MS4	Rio Caguitas	Eliminated by PRASA but date not available	Overloaded pipe	Recurring situation
Ago/25/2023	Calle Baviera	Urb. Villa del Rey 1era seccion	Bo. Turabo	MS4	Rio Turabo	Eliminated by PRASA but date not available	Overloaded pipe	Recurring situation
Sep/14/2023	Calle Nelson Millan Intersección calle Madeline Willensen	Urb. Idamaris Gardens	Bo. Cañabón	MS4	Rio Caguitas	Eliminated by PRASA but date not available	Overloaded pipe	Recurring situation
Sep/18/2023	Calle Carlos Osorio	Urb. Idamaris Gardens	Bo. Cañabón	MS4	Rio Caguitas	Eliminated by PRASA but date not available	Overloaded pipe	Recurring situation
Oct/05/2023	Calle Carlos Osorio	Urb. Idamaris Gardens	Bo. Cañabón	MS4	Rio Caguitas	Eliminated by PRASA but date not available	Overloaded pipe	Recurring situation

SANITARY SEWER OVERFLOWS INVENTORY 2023-2024 NPDES PERMIT NO. PRR040001 AUTONOMOUS MUNICIPALITY OF CAGUAS								
Date detected	Street	Sector	Ward	Discharging to	Receiving Water	Date eliminated	Suspected Cause of Discharge	Notes
Oct/30/2023	Calle Parque Colon Esquina Parque Bolonia	Urb. Bairoa Park	Bo. Bairoa	MS4	Rio Caguitas	Eliminated by PRASA but date not available	Overloaded pipe	Recurring situation
Nov/03/2023	Calle Acerina	Parcelas Nuevas	Bo. Borinquen	MS4	Quebrada Naranjito	Eliminated by PRASA but date not available	Overloaded pipe	Recurring situation
Nov/08/2023	Calle Jorge Haddock	Urb. La Granja	Bo. Pueblo	MS4	Quebrada Santo Domingo	Eliminated by PRASA but date not available	Overloaded pipe	Recurring situation
Nov/15/2023	Calle Parque de La Fuente esquina Parque de Bolonia	Urb. Bairoa Park	Bo. Bairoa	MS4	Rio Caguitas	Eliminated by PRASA but date not available	Overloaded pipe	Recurring situation
Nov/21/2023	Calle Aljibe	Parque las Mercedes	Bo. Tomas de Castro	MS4	Rio Grande de Loiza	Eliminated by PRASA but date not available	Overloaded pipe	Recurring situation
Nov/22/2023	Calle Caros Magno	Urb. Villa del Rey 2da seccion	Bo. Turabo	MS4	Unknown	Eliminated by PRASA but date not available	Overloaded pipe	Recurring situation
Dic/06/2023	Calle Aljibe	Parque las Mercedes	Bo. Tomas de Castro	MS4	Rio Grande de Loiza	Eliminated by PRASA but date not available	Overloaded pipe	Recurring situation
Ene/08/2024	Calle Celis Aguilera	Centro Urbano	Bo. Pueblo	MS4	Rio Caguitas	Eliminated by PRASA but date not available	Overloaded pipe	Recurring situation
Ene/16/2024	Calle Carlos Osorio	Urb. Idamaris Gardens	Bo. Cañaboncito	MS4	Rio Caguitas	Eliminated by PRASA but date not available	Overloaded pipe	Recurring situation
Ene/17/2024	Calle Carlos Osorio	Urb. Idamaris Gardens	Bo. Cañaboncito	MS5	Rio Caguitas	Eliminated by PRASA but date not available	Overloaded pipe	Recurring situation
Ene/19/2024	Calle 1	Urb. Jardines de Condado Moderno	Bo. Bairoa	MS4	Unknown	Eliminated by PRASA but date not available	Overloaded pipe	Recurring situation
Feb/13/2024	Calle Opalo	Urb. Villa Blanca	Bo. Pueblo	MS4	Rio Caguitas	Eliminated by PRASA but date not available	Overloaded pipe	Recurring situation
Feb/15/2024	Avenida Cañaboncito	Complejo Deportivo Angel Berrios	Bo. Cañaboncito	MS4	Rio Caguitas	Eliminated by PRASA but date not available	Overloaded pipe	Recurring situation
Mar/07/2024	Avenida Degetau (McDonalds)	Urb. San Alfonso	Bo. Pueblo	MS4	Unknown	Eliminated by PRASA but date not available	Overloaded pipe	Recurring situation
Mar/13/2024	Calle Nelson Millan Intersección calle Madeline Willensen	Urb. Idamaris Gardens	Bo. Cañabón	MS4	Rio Caguitas	Eliminated by PRASA but date not available	Overloaded pipe	Recurring situation

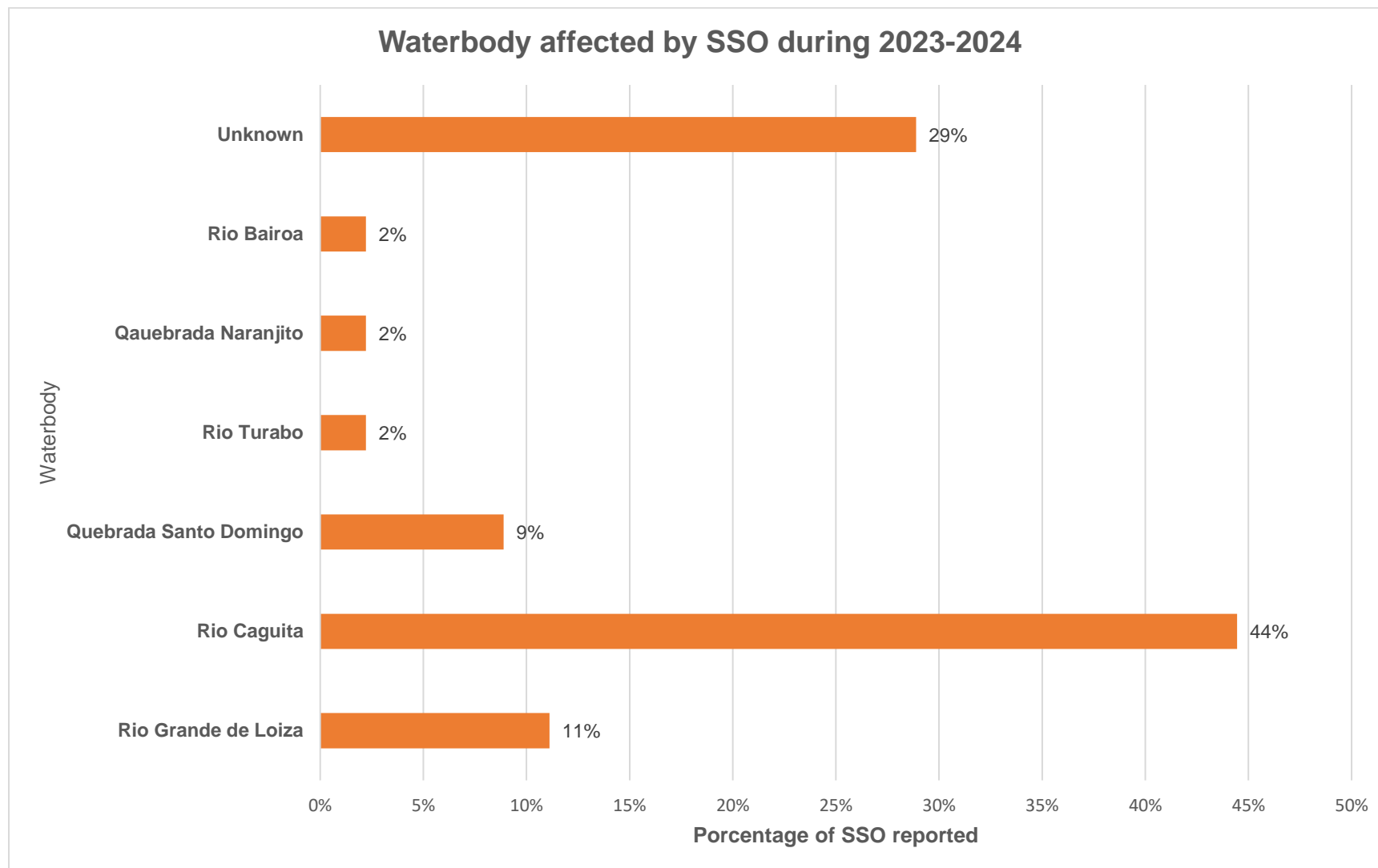
SANITARY SEWER OVERFLOWS INVENTORY 2023-2024 NPDES PERMIT NO. PRR040001 AUTONOMOUS MUNICIPALITY OF CAGUAS								
Date detected	Street	Sector	Ward	Discharging to	Receiving Water	Date eliminated	Suspected Cause of Discharge	Notes
Mar/14/2024	Avenida Degetau (McDonalds)	Urb. San Alfonso	Bo. Pueblo	MS4	Unknown	Eliminated by PRASA but date not available	Overloaded pipe	Recurring situation
Mar/19/2024	Calle Parque Bolonia	Urb. Bairoa Park	Bo. Bairoa	MS4	Rio Bairoa	Eliminated by PRASA but date not available	Overloaded pipe	Recurring situation
Mar/20/2024	Avenida Degetau (McDonalds)	Urb. San Alfonso	Bo. Pueblo	MS4	Unknown	Eliminated by PRASA but date not available	Overloaded pipe	Recurring situation
Mar/26/2024	Calle Jorge Haddock	Urb. La Granja	Bo. Pueblo	MS4	Quebrada Santo Domingo	Eliminated by PRASA but date not available	Overloaded pipe	Recurring situation
Abr/03/2024	Calle San Isidro	Urb. Mariolga	Bo. Turabo	MS4	Unknown	Eliminated by PRASA but date not available	Overloaded pipe	Recurring situation
Abr/05/2024	Calle San Antonio	Urb. Mariolga	Bo. Turabo	MS4	Unknown	Eliminated by PRASA but date not available	Overloaded pipe	Recurring situation
Abr/05/2024	Calle opalo	urb. Villa Blanca	Bo. Pueblo	MS4	Rio Caguitas	Eliminated by PRASA but date not available	Overloaded pipe	Recurring situation
Abr/18/2024	Calle Aljibe	Parque las Mercedes	Bo. Tomas de Castro	MS4	Rio Grande de Loiza	Eliminated by PRASA but date not available	Overloaded pipe	Recurring situation
Abr/24/2024	Calle Comerio	Urb. Bonnevill Heights	Bo. Cañaboncito	MS4	Rio Caguitas	Eliminated by PRASA but date not available	Overloaded pipe	Recurring situation
Abr/26/2024	Calle Opalo	Urb. Villa Blanca	Bo. Pueblo	MS4	Rio Caguitas	Eliminated by PRASA but date not available	Overloaded pipe	Recurring situation
May/02/2024	Calle Opalo	Urb. Villa Blanca	Bo. Pueblo	MS4	Rio Caguitas	Eliminated by PRASA but date not available	Overloaded pipe	Recurring situation
May/08/2024	Calle Opalo	Urb. Villa Blanca	Bo. Pueblo	MS4	Rio Caguitas	Eliminated by PRASA but date not available	Overloaded pipe	Recurring situation
May/15/2024	Calle Laurel	Urb. Villa Turabo	Bo. Pueblo	MS4	Unknown	Eliminated by PRASA but date not available	Overloaded pipe	Recurring situation
May/18/2024	Calle Celis Aguilera	Centro Urbano	Bo. Pueblo	MS4	Rio Caguitas	Eliminated by PRASA but date not available	Overloaded pipe	Recurring situation
May/18/2024	Calle Jorge Haddock	Urb. la Granja	Bo. Pueblo	MS4	Quebrada Santo Domingo	Eliminated by PRASA but date not available	Overloaded pipe	Recurring situation



*[Handwritten signature]*



27



**MUNICIPIO AUTÓNOMO DE CAGUAS**

Autorizado por la Oficina del Contralor Electoral. OCE-SA-2023-00335.