DEPARTMENT OF NATURAL AND ENVIRONMENTAL RESOURCES OF THE COMMONWEALTH OF PUERTO RICO NPDES MS4 NOI

Part A. General Information

1. Name of Municipality or Organization: Department of Natural and Environmental Resources of Puerto Rico
   A. De Diego Flood Control Pumping Station (FCPS)
   B. Baldorioty de Castro FCPS
   C. Stop 18 FCPS
2. Type: ◯ Federal ● State ◯ Municipality ◯ Other: _____
3. Existing Permittee: ◯ Yes ● No If yes, provide EPA NPDES Permit Number: N / A ___ ___ ___
4. Location Address:

   Department of Natural and Environmental Resources Location Address

   a. Street: Road 8838 Km 6.3 El Cinco Sector
   b. City: Rio Piedras State: PR Zip Code: 00917

   De Diego Storm Water FCPS Facility Location Address

   a. Street: De Diego Avenue / Intersection between Julian Blanco and Estrella Street Marginal/State Road PR-26 / Santurce Ward
   b. City: San Juan State: PR Zip Code: 00907

   Baldorioty de Castro Storm Water FCPS Facility Location Address

   a. Street: Baldorioty de Castro Avenue Marginal Road / Playita Sector/ Santurce Ward
   b. City: San Juan State: PR Zip Code: 00907

   Stop #18 Storm Water FCPS Facility Location Address

   a. Street: Roosevelt St. / Figueroa Sector/ Santurce Ward
   b. City: San Juan State: PR Zip Code: 00907

5. Mailing Address:
   a. Street: Department of Natural and Environmental Resources of Puerto Rico
   b. P. O. Box 366147
   c. City: San Juan State: PR Zip Code: 00936
6. Telephone Numbers:
   (DD FCPS) 787-722-2273
   (Baldorioty FCPS) 787-726-0120
   (Stop #18 FCPS) 787-723-8155
7. E-mail: rvelazquez@drna.pr.gov / amercado@drna.pr.gov
8. Standard Industrial Classification (SIC) Code (see instructions for common codes): 9199

9. *Approximate center of the regulated portion of the MS4.*
   Latitude: 18° 27′ 3.69″ N (degrees, minutes, seconds)
   Longitude: 66° 03′ 55.11″ W (degrees, minutes, seconds)

Part B. Primary MS4 Program Manager Contact Information

1. Name: Mr. Roberto Velazquez
2. Position Title: Auxiliary Administrator of Regional Operations
3. Stormwater Management Program (SWMP) Location (web address or physical location): **http://drna.pr.gov**
4. Mailing Address:
   a. Street: Department of Natural and Environmental Resources of the Commonwealth of Puerto Rico
      P.O. Box 366147
   b. City: San Juan State: PR Zip Code: 00936-6147
5. Telephone Number: (787) 999-2200 Ext 2137
6. E-mail: rvelazquez@drna.pr.gov / amercado@drna.pr.gov

Part C. Eligibility Determination

1. Endangered Species Act (ESA) determination complete? ● Yes ○ No
   a. Eligibility Criteria (check all that apply): ○ A ○ B ○ C ○ D ● E
2. National Historic Preservation Act (NHPA) determination complete? ● Yes ○ No
   a. Eligibility Criteria (check all that apply): ○ A ● B ○ C ○ D

Part D. Map/Boundaries

1. MS4/Organization Description of regulated boundaries (narrative):

De Diego Storm Water FCPS Facility Location Address

The De Diego Stormwater Flood Control Pump Station (SW FCPS) is located in Condado which is part of the Santurce Ward of the Municipality of San Juan. The geographic coordinates are: Latitude/18°27'3.69"N, Longitude/66°03'55.11"W. The surroundings of De Diego SW FCPS are mixed residential and commercial units including schools, hotels, small businesses, hospitals, individual homes, and condominiums.

De Diego SW FCPS was transferred from DTPW to DNER. The design objective was primarily as a flood control measure and to remove large-sized floatables and debris from stormwater before pumping it from the low elevation areas of the collection system end point to an outfall located on Condado Beach discharging to the Atlantic Ocean.

The MS4 system consist of the SW FCPS and a 1,900 foot long, 30 inch diameter, reinforced concrete pipe (RCP). The SW FCPS consists of a Pump Pit with static bar screens, a pump suction pit, three 35,000 gpm submersible pumps, one 15,000 gpm submersible pump, with their respective electric motors, a mechanical rake system to clean the bar screen, a conveyor belt, a generator, an oil dike, an electrical room, a diesel tank, and a facility control and operations office.

Baldorioty de Castro Storm Water FCPS Facility Location Address

The Baldorioty de Castro SW FCPS is located in La Playita Sector, which is part of the Santurce Ward of the Municipality of San Juan. The geographic coordinates are: Latitude/18°26'45.91"N, Longitude/66°02'33.74"W. The surroundings of Baldorioty de Castro SW FCPS are mixed residential and commercial units including schools, hotels, small businesses, hospitals, individual homes, and condominiums.

Baldorioty de Castro SW FCPS was transferred from DTPW to DNER. The design objective was primary as a flood control measure and to remove large-sized floatables and debris from stormwater before pumping it from the low elevation areas of the collection system end point to an outfall located in the Los Corozos Lagoon. From its east side the Los Corozos lagoon ultimately flows into the Atlantic Ocean, going first through the San José Lagoon, the Torrecillas Lagoon, and a series of channels and drains through the Caño Martin Pena to the San Juan Bay. The San José and Torrecillas Lagoons receive stormwater from urban areas draining from south to north through natural and manmade channels.

The MS4 system consist of the SW FCPS, located on a 5,000 square meters site, and an approximately 150 feet long reinforced concrete discharge channel. The SW FCPS consists of a main building which houses the pump's motor control center, kitchen, the office, five 100,000 gpm (3 currently in service) and one 50,00 gpm primary pumps, a secondary pump train housing one 50,000 gpm pumps and two 10,000 gpm soon to be installed, an inlet stormwater pit with a diversion wall to redirect the dry season low-flow to the secondary pump train and the mechanical rake area, an emergency generator, a storage building, tanks for diesel, oil, used oil, and water, and a main discharging channel that conveys the flow from the main pump train and a lateral discharging channel that conveys the flow from the secondary pump train into the main discharging channel.

Stop #18 Storm Water FCPS Facility Location Address

The Stop #18 SW FCPS is located on Roosevelt Street in Barriada Figueroa, which is part of the Santurce Ward of the Municipality of San Juan. The geographic coordinates are: Latitude/18°26'37.08"N, Longitude/66°4'38.92"W. The surroundings of Stop #18 SW FCPS are mixed residential and commercial units including schools, hotels, small businesses, parks, individual homes, and condominiums.

Stop #18 SW FCPS was transferred from DTPW to DNER. The design objective was primary as a flood control measure and to remove large-sized floatables and debris from stormwater before pumping it from the low

elevation areas of the collection system end point to an outfall which discharges into a natural channel located 600 feet to the south, at the east property line of San Juan Central Park, which drains to the Caño Martin Peña that eventually flows into the San Juan Bay.

The MS4 system consist of the SW FCPS and an approximately 600 feet long reinforced concrete pipe (RCP) channel.

The SW FCPS consists of a pit wet well, static bar screens, diesel storage tanks, pump suction pit, two 75,000 gpm and one 50,000 gpm submersible pumps, and a discharging channel.

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

For Location Maps/Figures refer to Appendix **A**. The figures used are from the DNER Flood Control Pump Stations SPCCs

Part E. MS4 Infrastructure (if covered under the 2006 general permit)

1. DNER is a new permittee located within the urban area of an existing permittee (the Municipality of San Juan). The Municipality of San Juan SWMP included the following schedule to develop the MS4 infrastructure maps of the three DNER SW FCPSs. DNER will work with the Municipality of San Juan to receive editable copy of the MS4 maps for the three pump station areas.

Activity	Measurable Goal	Timeframe		Division Responsible
		Start	End	
First Year				
Second Year				
Complete the MS4 map	Completion of Area 2 mapping *Stop No. 18 SW FCPS*	December 2016	November 2017	Environmental Compliance and Planning Office with the Planning and Zoning Office
Third Year				
Complete the MS4 map	Completion of Area 3 mapping *De Diego SW FCPS*	December 2017	November 2018	Environmental Compliance and Planning Office with the Planning and Zoning Office
Fourth Year				
Complete the MS4 map	Completion of Area 4 mapping *Baldorioty SW FCPSs*	December 2018	November 2019	Environmental Compliance and Planning Office with the Planning and Zoning Office

Part F. Bylaw/Ordinance Development (if covered under the 2006 general permit) N/A – DNER is a new Permittee

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)
De Diego FCPS Costa-PREC13 East side of Condado Bridge to Punta las Marias	One (1)	Yes	Not included in the 303(d) list	N/A
Baldorioty de Castro FCPS PREE13A3 Los Corozos Lagoon in SJBE	One (1)	Yes	Low Dissolved Oxygen (1200) Oil & Grease (1900) pH (1000) Thermal Modifications(1400) Turbidity (2500) Total Phosphorus (0910) Ammonia (0600) Surfactants (0400) Total Nitrogen (0920) Copper (0530) Lead (0550) Fecal Coliforms (1700) Total Coliforms (1700) Mercury (0560)	N/A
Stop #18 FCPS PREE13A3 Cano Martin Pena in SJBE	One (1)	Yes	Low Dissolved Oxygen (1200) Oil & Grease (1900) pH (1000) Thermal Modifications (1400) Turbidity (2500) Total Phosphorus (0910) Ammonia (0600) Surfactants (0400) Total Nitrogen (0920) Copper (0530) Lead (0550) Fecal Coliforms (1700) Total Coliforms (1700) Mercury (0560)	N/A

Part H. Summary of Stormwater Management Program (SWMP) under the 2006 Small MS4 General Permit

N/A – DNER is a new Permittee

Part I. 2016 Stormwater Management Program (SWMP) Summary
Public Education and Outreach (See Part 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.)
Develop an MS4 Education Plan	• General Concepts of Stormwater Pollution Prevention • Illicit Discharges • Failing Septic System as a Pollutant Source • Oil and Grease Management in Residential and Commercial Areas • Pollution Prevention in Commercial Facilities • Trash Free Waters Initiatives • Community and Volunteers Programs	Bookmarkers and Power Point Presentations will be used to inform SJBEP, Municipality of San Juan, PRASA, PRMA, and DTOP MS4 Educators of the availability of this MS4 Educational Plan and its related educational material	Development of the MS4 Educational Plan Key Stakeholders Meeting to present the availability of the MS4 Educational Plan
Develop Educational Material on Pollutants of Concern for each target audience	• General Concepts of Stormwater Pollution Prevention • Illicit Discharges • Failing Septic System as a Pollutant Source • Oil and Grease Management in Residential and Commercial Areas • Pollution Prevention in Commercial Facilities • Trash Free Waters Initiatives • Community and Volunteers Programs	PSAs, Bookmarks, Bus Stop Posters, MS Word Power Point Presentations, D-Boards, other reusable promotional material. Printed brochures will NOT be developed.	Total number of Downloads of the Educational Material from the DNER Website

Part I. 2016 Stormwater Management Program (SWMP) Summary

Public Education and Outreach (See Part 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.)
Develop and Sign Collaboration Agreements with SJBEP, DTOP, PRHA, PRMA, Cano Martin Pena, and MSJ	• General Concepts of Stormwater Pollution Prevention • Illicit Discharges • Pollutants of Concern and Potential Sources • Trash Free Waters Initiatives • Community and Volunteers Programs	Interagency Collaboration Agreement	Total number of Agencies participating in the collaboration agreement
Provide MS4 Educational Materials to SJBEP, DTOP, PRHA, PRMA, Cano Martin Pena and MSJ	• General Concepts of Stormwater Pollution Prevention • Illicit Discharges • Pollutants of Concern and Potential Sources • Trash Free Waters Initiatives • Community and Volunteers Programs	Material will be available in DNER webpage A specific amount of material will be available to be printed in D-Boards or Posters for SJBEP, TFWs, Cano Martin Pena and other organizations through webpage request with the appropriate justification	Total number of people participating in each activity where the educational material is used Number of requests received through the web page to develop educational material Total number of organizations that download educational materials
Conduct Quarterly Meetings with MS4 key stakeholders	• Progress of the Educational Program Implementation • Status of the IDDE program implementation • Support needed from partners	Quarterly Meetings	Participation of Consent Decree and MS4 stakeholders in the Quarterly Meeting

Part I. 2016 Stormwater Management Program (SWMP) Summary
Public Education and Outreach (See Part 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.)
Implement the MS4 Education Plan BMPs	• General Concepts of Stormwater Pollution Prevention • Illicit Discharges • Failing Septic System as a Pollutant Source • Oil and Grease Management in Residential and Commercial Areas • Pollution Prevention in Commercial Facilities • Trash Free Waters Initiatives • Community and Volunteers Programs	Will be determined once the MS4 Educational Plan has been developed	Percent completion of MS4 Educational Plan BMPs
Conduct Employees and SWMP implementation Team Training	DNER staff shall be trained on: • MS4 Consent Decree requirements • Stormwater Pollution Prevention • DNER SWMP requirements	Trainings and Workshops	Total number of Employees Trained Number of SWMP Implementation Team members trained

Part I. 2016 Stormwater Management Program (SWMP) Summary (continued)
Public Involvement and Participation (See Part 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.)
Develop a Public Involvement Plan	As a new permittee DNER will develop a Public Involvement Plan. DNER has a considerable diversity of current public participation programs developed and a programs assessment will be conducted to select the ones that could be modified to address storm water pollution.	Development of the Public Involvement Plan
Develop a MS4 Stormwater Section on the DNER Webpage	A MS4 section will be added to DNER's current webpage. The stormwater web section will include a blog to request educational materials, report illicit discharges, enroll in public participation events, and download materials for MS4 outreach activities	Availability of the MS4 Stormwater Section in the DNER Webpage Number of illicit discharges reported in the webpage that are addressed Total downloads of educational material
Posting a digital and a hard **copy of the SWMP and its annual reports in DNER Webpage and regional offices**	SWMP will be posted in DNER webpage and regional offices to give the general community the opportunity to review and provide comments	Number of general community comments received which are evaluated and addressed.
Develop and Sign a Collaboration Agreement with the Consent Decree and MS4 stakeholders	Joining efforts with consent decree and MS4 stakeholders will increase feasibility of conducting public engagement activities and community members' participation on the activities.	Total number of agencies signing the collaboration agreement Total number of agencies implementing the collaboration agreement
Collaborate with the MS4 and Consent Decree stakeholders in storm drain marking activities	DNER will develop storm drain markers art and will acquire 100 storm drain markers per year to be installed in the storm drains. DNER will join efforts, through the collaboration agreement, with the consent decree and MS4 stakeholders to organize activities to install the storm drains.	Total number of storm drains identified Number of volunteers participating in the stormwater labeling activities.

Part I. 2016 Stormwater Management Program (SWMP) Summary (continued)
Public Involvement and Participation (See Part 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.)
Collaborate with environmental organizations coastal and streams pollution prevention awareness activities	DNER will provide support to environmental organizations when organizing stormwater pollution prevention awareness activities. DNER will post the activity invitation in the Stormwater MS4 section in DNER webpage and when possible will collaborate with the promotional materials art development.	Number of stormwater pollution prevention activities, organized by MS4 and consent decree stakeholders, are posted in DNER webpage Number of stormwater pollution prevention invitational flyer developed with the collaboration of DNER
Implement DNER Green Stations in the three outfalls locations	DNER Green Stations Program will be implemented in the stormwater outfall locations. The DNER Green Stations will be adopted by a local community group that will organize educational activities and encourage general visitors to manage recyclable materials and regular trash adequately, increasing volunteers participation and general community awareness	Number of DNER Green Stations Installed Number of community groups adopting the DNER green stations and conducting educational activities
Implement Adopt a Beach Program in Condado Beach	Adopt a Beach is an existing DNER program. Its main purpose is the conservation and improvement of the beaches conditions. The objective is to encourage and facilitate the participation of industries, business owners, communities, and organizations in activities that will result in the protection and improved conditions of the beaches in PR.	Participation of organizations in the Adopt a Beach Program in Condado Beach Total number of activities conducted every year to create awareness in stormwater pollution prevention
Conduct Employees and SWMP implementation Team Training	DNER staff shall be trained on:MS4 Consent Decree requirements, Stormwater Pollution Prevention, DNER SWMP requirements, and Pump Station Operation To assure a proper implementation of the SWMP all the DNER employees shall be trained on the different consent decree requirements, best management practices to prevent stormwater pollution prevention, and the DNER MS4 program.	Total number of Employees Trained 100% of SWMP Implementation Team trained 100% of operators trained

Part I. 2016 Stormwater Management Program (SWMP) Summary (continued) **Illicit Discharge Detection and Elimination (See Part 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.)**
Develop a DNER IDDE Plan	The IDDE Plan will include a detailed description of the MS4 current situation and the best practices to achieve a useful IDDE program implementation.	DNER IDDE Plan developed
Submit De Diego FCPS, 10 annual payments for IDDE work by PRHTA, DOT and MSJ	MSJ, DOT, and PRHTA are responsible of identifying and eliminating illicit discharges and connections into the MS4 catch basin area which discharges into DNER De Diego FCPS. It is DNER's responsibility, as per the consent decree, to submit $100,000/year for 10 years for IDDE work to be performed by PRHTA, DOT and MSJ	Amount of annual payments submitted
Submit Stop No. 18 FCPS, 10 annual payments for IDDE work by PRHTA, DOT and MSJ	MSJ, DOT, and PRHTA are responsible of identifying and eliminating illicit discharges and connections into the MS4 catch basin area which discharges into DNER Stop No. 18 FCPS. It is DNER responsibility as per the consent decree to submit $150,000/year for 10 years for IDDE work by PRHTA, DOT and MSJ	Amount of annual payments submitted
Submit Baldorioty FCPS, 10 annual payments for IDDE work by PRHTA, DOT and MSJ	MSJ, DOT, and PRHTA are responsible of identifying and eliminating illicit discharges and connections into the MS4 catch basin area which discharges into DNER Baldorioty de Castro FCPS. It is DNER's responsibility, as per the consent decree, to submit $400,000/year for 10 years for IDDE work to be performed by PRHTA, DOT and MSJ	Amount of annual payments submitted
Develop a database of illicit discharges for reporting to EPA	DNER will identify illicit connections into their MS4 system, consisting in the FCPS and the discharging pipe	Update the database monthly

Part I. 2016 Stormwater Management Program (SWMP) Summary (continued)
Illicit Discharge Detection and Elimination (See Part 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.)**
Develop MS4 Infrastructure maps	DNER will follow up with the MSJ on the MS4 Infrastructure maps development. MSJ SWMP included the development of De Diego FCPS MS4 maps development as a priority. Having a better understanding of the MS4 infrastructure is essential to implement the illicit discharges identification and elimination.	MS4 Infrastructure maps developed
Develop SOP for cleaning bar screens at the Pump Stations	Mechanical bar screens must be cleaned at least weekly or more frequently if necessary Manual Bar Screens must be cleaned as needed.	SOP developed Number of bar screens cleaning events Estimated volume of trash and debris removed in each cleaning
Development of an Annual and Triannual Pump Station wet well Cleaning SOP	Developing an SOP to remove sediments and other pollutants residues from the FCPS wet well on a consistently and frequently manner prevents the discharge of those pollutants into the beach	SOP developed and approved
Performing annual and triannual FCPS cleaning	Conducting FCPS cleaning, every 4 months and documenting in Quarterly Reports will remove sediments and other pollutants residues from the FCPS wet well and result in the prevention of the discharge of those pollutants into the beach	Volume of sediments removed per each cleaning event. Landfill disposal manifestos. FCPS Sludge TCLP results for the first cleaning and once per year thereafter
Conduct a Feasibility Study for Continuous Electronic Monitoring of FCPS	Conduct a Feasibility Study for Continuous Electronic Monitoring of FCPS, including the following parameters: ammonia, pH, total residual chlorine and ensure adequate monitoring, ventilation, and lighting fixtures at Pump Station Wet Wells The monitoring of those parameters at the FCPS inlet will provide DNER with water quality indicators information to notify MSJ, DTOP, and PRHTA on potential illicit discharges	Conducting the Feasibility Study Number of parameters to be monitored

Part I. 2016 Stormwater Management Program (SWMP) Summary (continued)
Illicit Discharge Detection and Elimination (See Part 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.)**
Install permanent oil booms at FCPSs	Permanent installation of oil booms or an alternative method will prevent the discharge of oil into the beach. The permanent installation of oil booms should be implemented at Pump Stations (within 6 months of lodging of the MS4 consent decree), as follows: 2 booms at Baldorioty (1 for each influent pipe) and 1 each at Stop 18 and De Diego.	Oil Booms or similar oil water separator installation Changing oil booms as per SOP specifications
Submit SOP for changing Booms at the pump stations	A standard procedure on oil booms management will be developed to assure adequate management of the booms to prevent oil to be discharged into the beach.	Developed SOP
Conduct a Feasibility Study for Continuous Electronic Monitoring	A feasibility study for continuous electronic monitoring of the FCPS including the following parameters: ammonia, pH, and total residual chlorine, at the wet wells will provide information on indicators of potential illicit discharges.	Completion of Continuous Monitoring Feasibility Study.
Implement Electronic Monitoring Recommendations of Feasibility Study	Feasibility study recommendations shall be implemented within 6 months of lodging. The monitoring of those parameters at the FCPS inlet will provide DNER with water quality indicators information to notify MSJ, DTOP, and PRHTA on potential illicit discharges.	Number of parameters monitored Number of notifications sent to MSJ, PRHTA, and DOT Reports developed on response to DNER notification.
Develop SPCC Plans	To establish procedures, methods, equipment, and other requirements to prevent the discharge of oil from the FCPS into the navigable waters of the US.	SPCC availability Implementation of SPCC
MS4 Pump Station Operators, Engineers and SWMP implementation team training	Pump Station Operators, Engineers, and SWMP implementation team must be trained on the best management practices to implement an adequate MS4 SWMP, SOPs, and SPCC Plans.	Total number of FCPS operators, engineers and SWMP implementation team staff trained

Part I. 2016 Stormwater Management Program (SWMP) Summary (continued) **Illicit Discharge Detection and Elimination (See Part 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.)**
Install MS4 Outfalls Warning Signs and conduct sign monthly inspections	Conduct Monthly Inspections on the conditions and existence of the MS4 Outfall warning signs to ensure the general community is notified of the restrictions in the area.	MS4 Outfall Signs Installed Total number of Monthly Inspections Conducted. Total number of signs replaced.

Part I. 2016 Stormwater Management Program (SWMP) Summary-Not Required NON-Conventional MS4
Construction Site Stormwater Runoff Control (See Part 2.4.5 for detailed information of required BMPs):
As per Part 6.3 of the MS4 permit, DNER does not need to meet the requirements of Section 2.4.5 of the MS4 permit.

Part I. 2016 Stormwater Management Program (SWMP) Summary -Not Required for a NON-Conventional MS4
Post-Construction Stormwater Management in New Development and Redevelopment (See Part 2.4.6 for detailed information of required BMPs):
As per Part 6.3 of the MS4 permit, DNER does not need to meet the requirements of Section 2.4.6 of the MS4 permit.

Part I. 2016 Stormwater Management Program (SWMP) Summary (continued)
Good Housekeeping and Pollution Prevention in Municipal Operations (See Part 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.)
Develop an Operation and Maintenance Plan for FCPSs	An Operation and Preventative Maintenance Plan (O&M Plan) for the 3 DNRE FCPS will be submitted within 6 months of submitting the SWMP. The O&M Plan will be consistent with the items required in Appendix E of the consent decree.	FCPS O&M Plan developed
Install MS4 Outfalls Warning Signs and conduct sign monthly inspections	Conduct Monthly Inspections on the conditions and existence of the MS4 Outfall warning signs to ensure the general community is notified of the restrictions of the area	Warning signs installation Monthly inspections conducted Total number of warning signs replaced
Submit SOP for changing Booms at the pump stations	A standard procedure on oil booms management will be developed to assure adequate management of the booms to prevent oil to be discharged into the beach	Developed SOP
Install permanent oil booms infrastructure at FCPSs	Permanent installation of oil booms or an alternative method will prevent the discharge of oil into the beach The permanent installation of oil booms should be implemented at Pump Stations (within 6 months of lodging of the MS4 consent decree) 2 booms at Baldorioty (1 for each influent pipe) and 1 at Stop 18 and 1 at De Diego.	Oil Booms or similar oil water separator installation Changing oil booms as per SOP specifications
Conduct a Feasibility Study for Continuous Electronic Monitoring	A feasibility study for continuous electronic monitoring of the FCPS including the following parameters: ammonia, pH, and total residual chlorine, at the wet wells will provide information on indicators of potential illicit discharges.	Completion of Continuous Monitoring Feasibility Study
Implement Electronic Monitoring Recommendations of feasibility study	Feasibility study recommendations shall be implemented within 6 months of lodging. The monitoring of those parameters at the FCPS inlet will provide DNER with water quality indicators information to notify MSJ, DTOP, and PRHTA on potential illicit discharges	Total number of parameters monitored Total number of notifications sent to MSJ, PRHTA, and DOT Total number of reports developed in response to DNER notification

Part I. 2016 Stormwater Management Program (SWMP) Summary (continued)
Good Housekeeping and Pollution Prevention in Municipal Operations (See Part 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.)
Develop and Implement SPCC Plans	To establish procedures, methods, equipment, and other requirements to prevent the discharge of oil from the FCPS into the navigable waters of the US.	SPCC availability Implementation of SPCC
MS4 Pump Station Operators, Engineers and SWMP implementation team training	Ensure adequate training. Pump Station Operators, Engineers and SWMP implementation team must be trained on the best management practices to implement an adequate MS4 SWMP, SOPs, and SPCC Plans. Provide training to employees on proper O&M of pump stations on an annual basis.	Total number of FCPS operators, engineers and SWMP implementation team members trained
Develop SOP for cleaning bar screens at the Pump Stations	Mechanical bar screens must be cleaned at least weekly, or more frequently if necessary. Manual Bar Screens must be cleaned as needed.	SOP developed Total number of bar screens cleaning events Volume of trash and debris removed in each cleaning
Develop an Annual and Triannual Pump Station wet well Cleaning SOP	Developing an SOP to remove sediments and other pollutants residues from the FCPS wet well consistently and frequently prevents the discharge of those pollutants into the beach.	SOP developed and approved
Perform annual and triannual FCPS cleaning	Conducting FCPS cleaning, every 4 months and documenting in Quarterly Reports will remove sediments and other pollutants residues from the FCPS wet well and result in the prevention of the discharge of those pollutants into the beach.	Volume of sediments removed per each cleaning event Landfill disposal manifestos FCPS Sludge TCLP results for the first cleaning and once per year thereafter.
Place lighting fixtures at FCPS wet wells	Properly placing, operating, and maintaining lighting fixtures in the FCPS wet wells will facilitate proper operation and maintenance.	Installation of lighting fixtures. Conduct inspections as required in the FCPS O&M Plan.

Part I. 2016 Stormwater Management Program (SWMP) Summary (continued)
Good Housekeeping and Pollution Prevention in Municipal Operations (See Part 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.)
Measure water and sediment levels in the FCPS's wet well	Install ruler or other device at FCPSs to measure water and sediment levels and conduct weekly monitoring of sludge/sediment depth in the wet well	Continue to automatically monitor wet well levels at the De Diego FCPS Document water level monitoring devices' maintenance events Document occurrence of monitoring devices Annual Calibration
Use the Pump Station and the Influent Reconnaissance Checklist included in Appendix C of the Consent Decree	Use the Pump Station Checklist included in Appendix C (Daily Pump Station Checks) and the Influent Reconnaissance Checklist in Appendix D of CD on a daily basis.	Complete and sign the Pump Station Checklist on a daily basis. Complete and sign Reconnaissance Checklist on a daily basis.
Conducting Pump Station Maintenance	DNER shall retain a qualified contractor for pump station maintenance and repair services, DNER can also request that some of the maintenance services be done in house and submit to EPA for approval as per the consent decree requirement	Keep a log of inventory of available spare parts Monthly FCPS Maintenance Certification
Conduct a Feasibility Study for Automatic Bar Screen at Stop No. 18 FCPS	A Feasibility Study for Automatic Bar Screen Installation has the objective of identifying the adequate infrastructure to capture and remove solids for water quality purpose and to protect pumps from being damaged.	Completion of Automatic Bar Screen Installation Feasibility Study
Design, Submit and Implement a Floatables Management Protocol	Submit a protocol for monitoring and measuring floatables such as: bottles, litter, and debris in the DNER FCPS's receiving waters.	Floatables Protocol Availability Installation of controls identified in the final floatables report
Design and Construction of a wet well baffle wall in Baldorioty de Castro FCPS	Design and Build a wet well baffle wall to improve sedimentation in wet well.	Wet well baffle construction completion certification

APPENDIX A

MS4's location maps. The following figures have been copied from the DNER FCPS SPCCs.

1. *De Diego Storm Water FCPS Facility Figures*

Figure 1-a De Diego SW FCPS Location Map

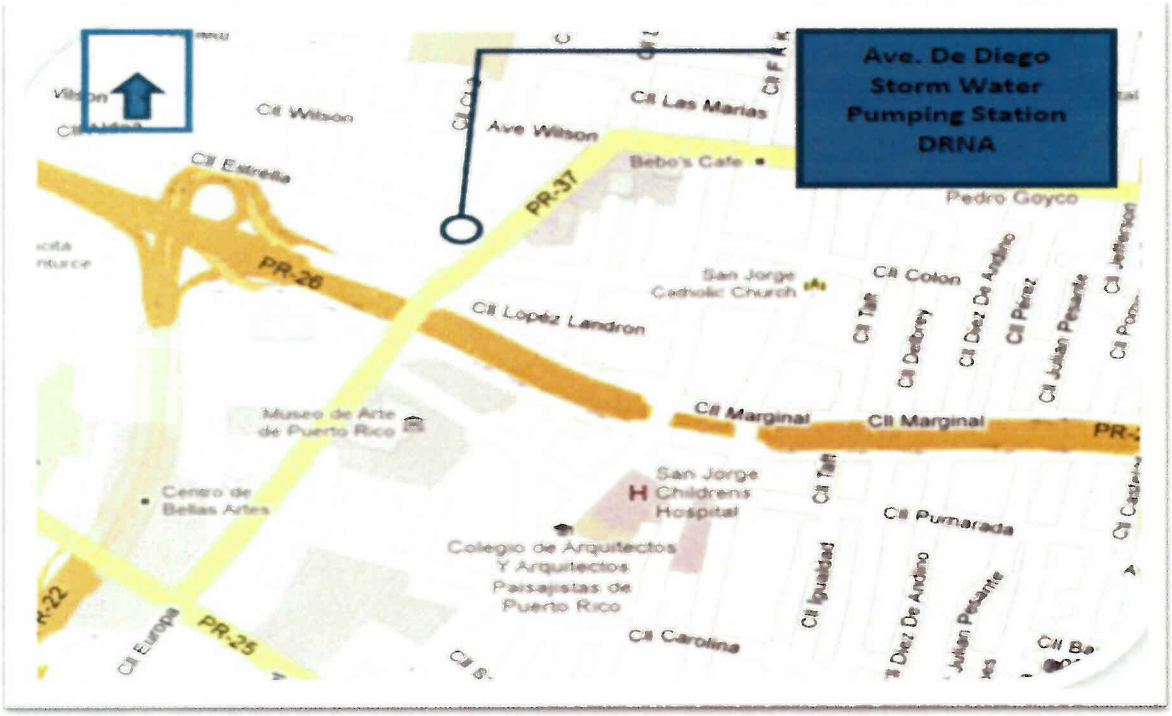


Figure 1-b De Diego SW FCPS Aerial

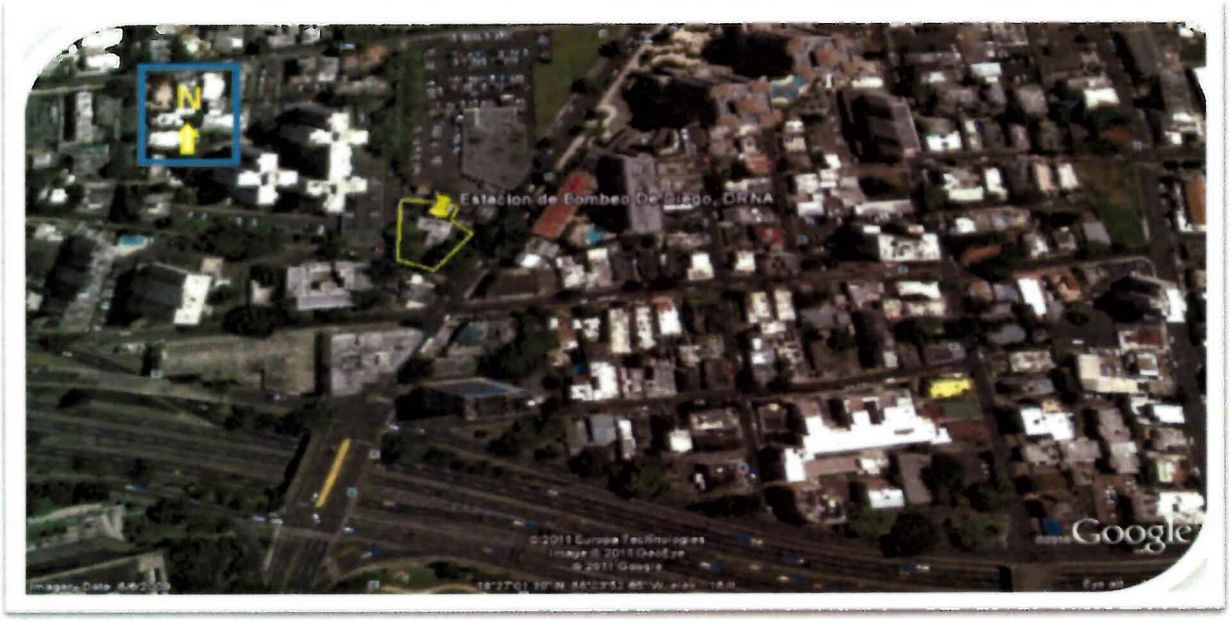
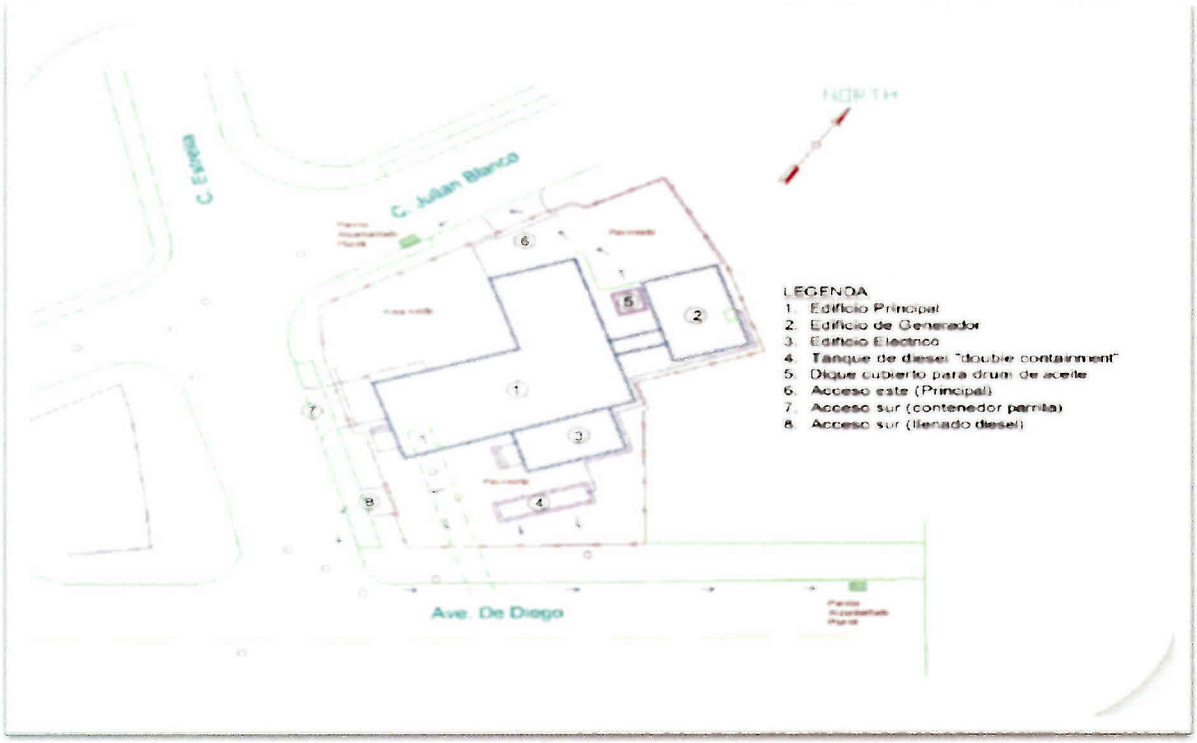


Figure 1-c De Diego SW FCPS Site Plan



2. *Baldorioty de Castro Storm Water FCPS Facility*

Figure 2-a Baldorioty de Castro SW FCPS Location Map

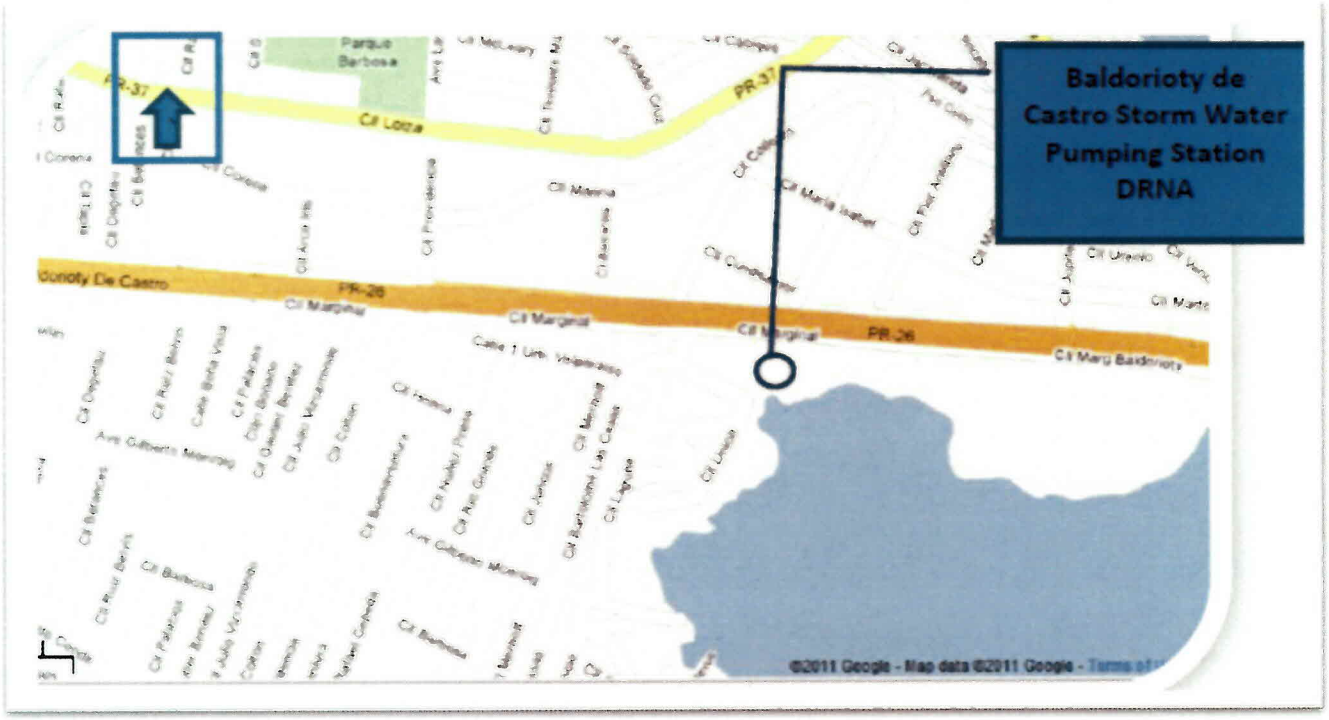


Figure 2-b Baldorioty de Castro SW FCPS Aerial

Figure 2-c Baldorioty de Castro SW FCPS Site Plan

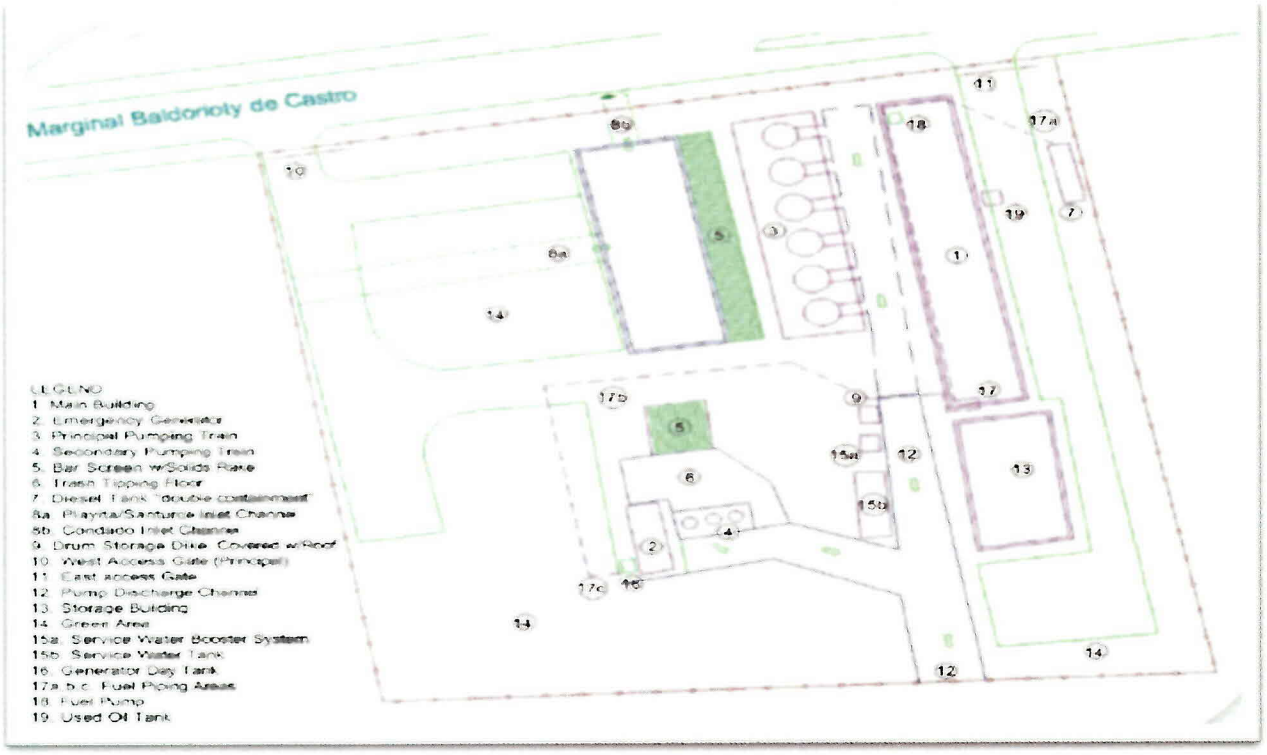
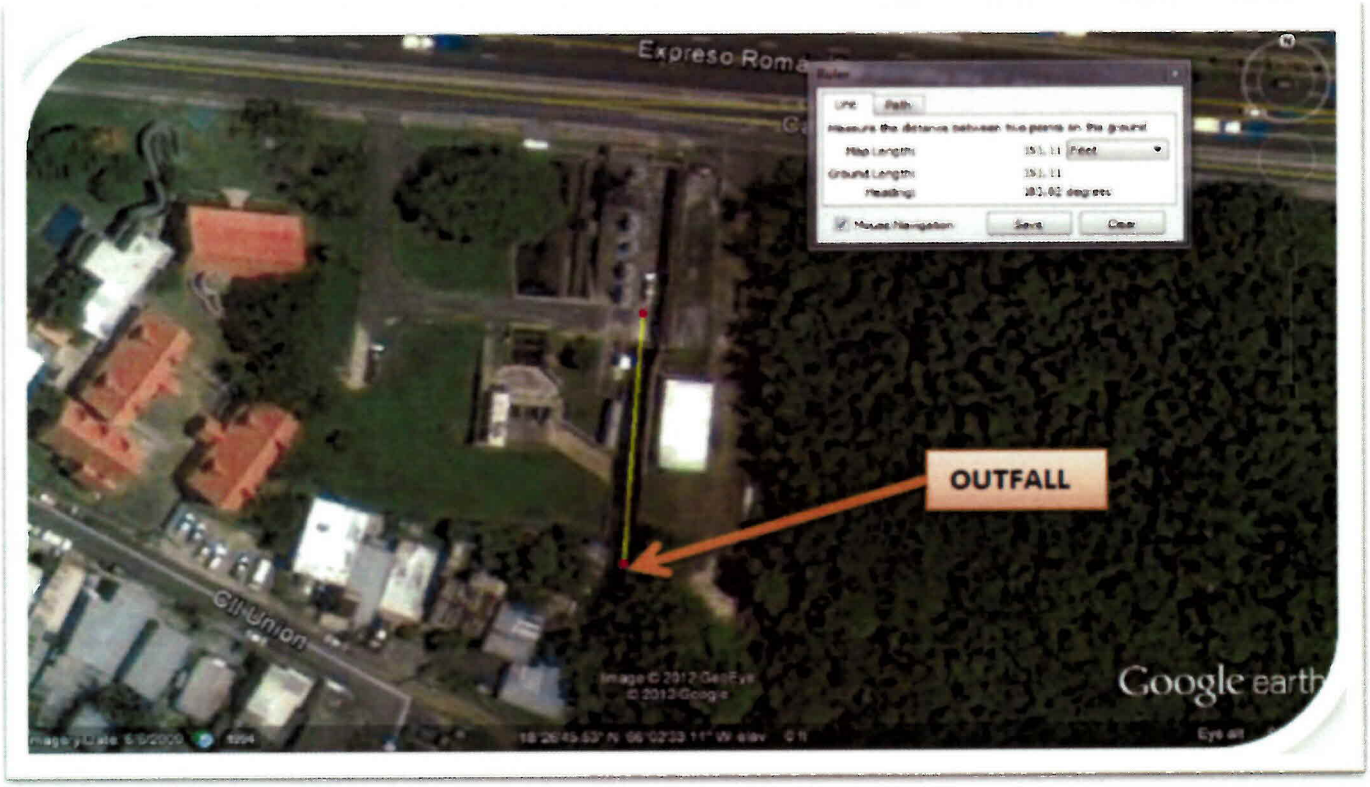


Figure 2-d Baldorioty de Castro SW FCPS Outfall Location and distance from SW FCPS's Facility



3. Stop No. 18 Storm Water FCPS Facility

Figure 3-a Stop No. 18 SW FCPS Location Map

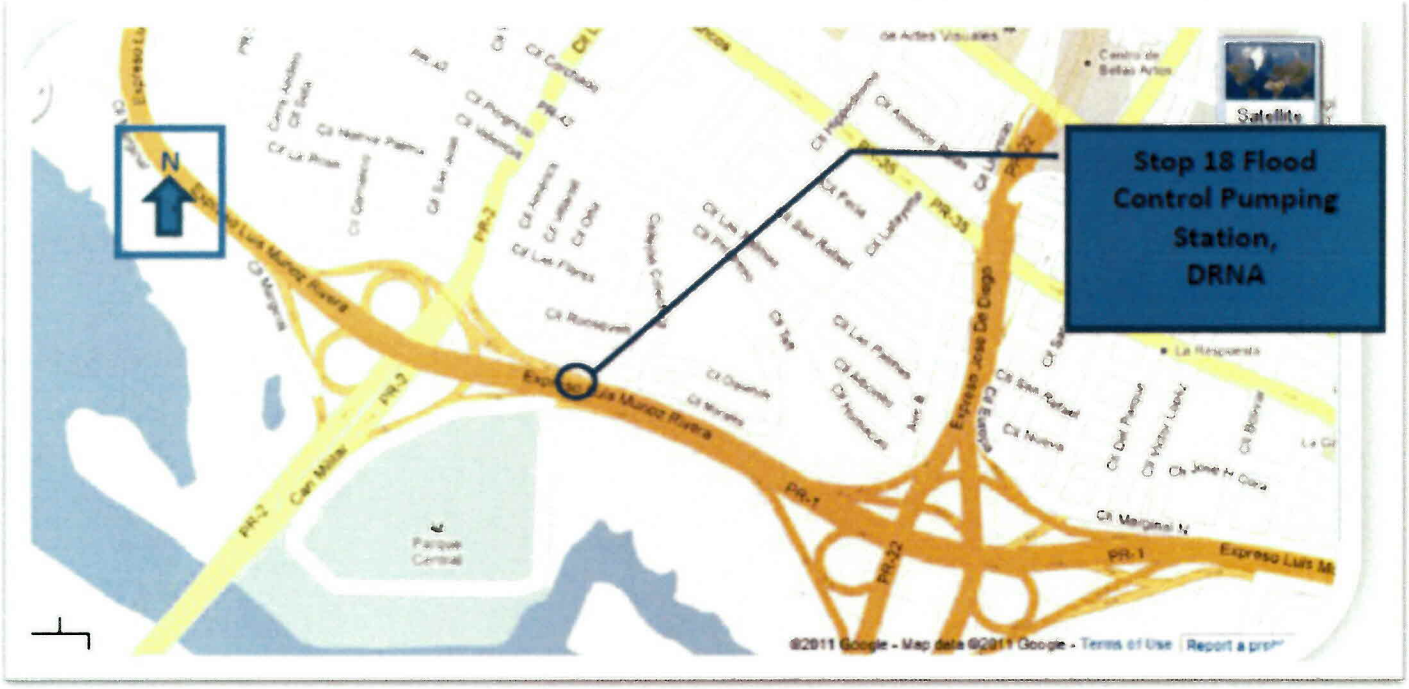


Figure 3-b Stop No. 18 SW FCPS Aerial

Figure 3-c Stop No. 18 SW FCPS Site Plan

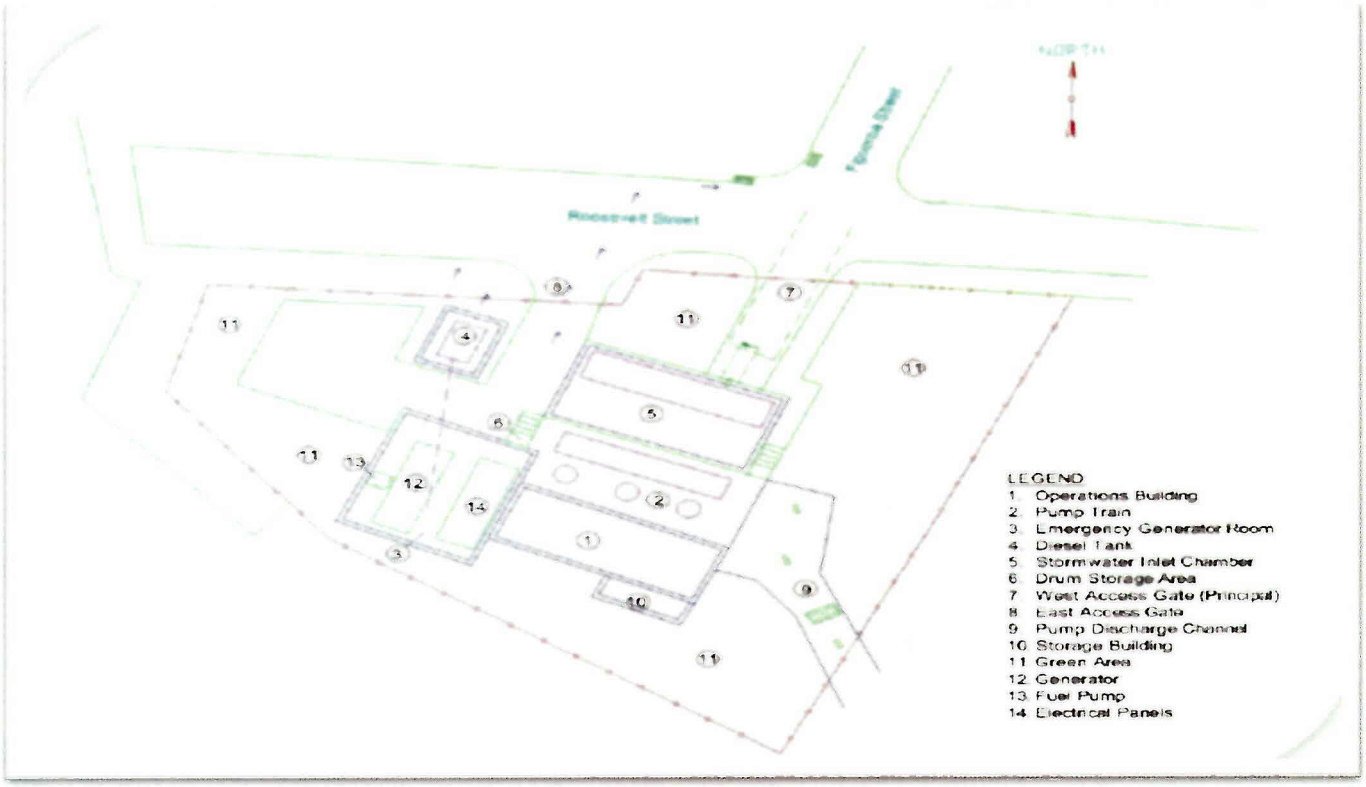
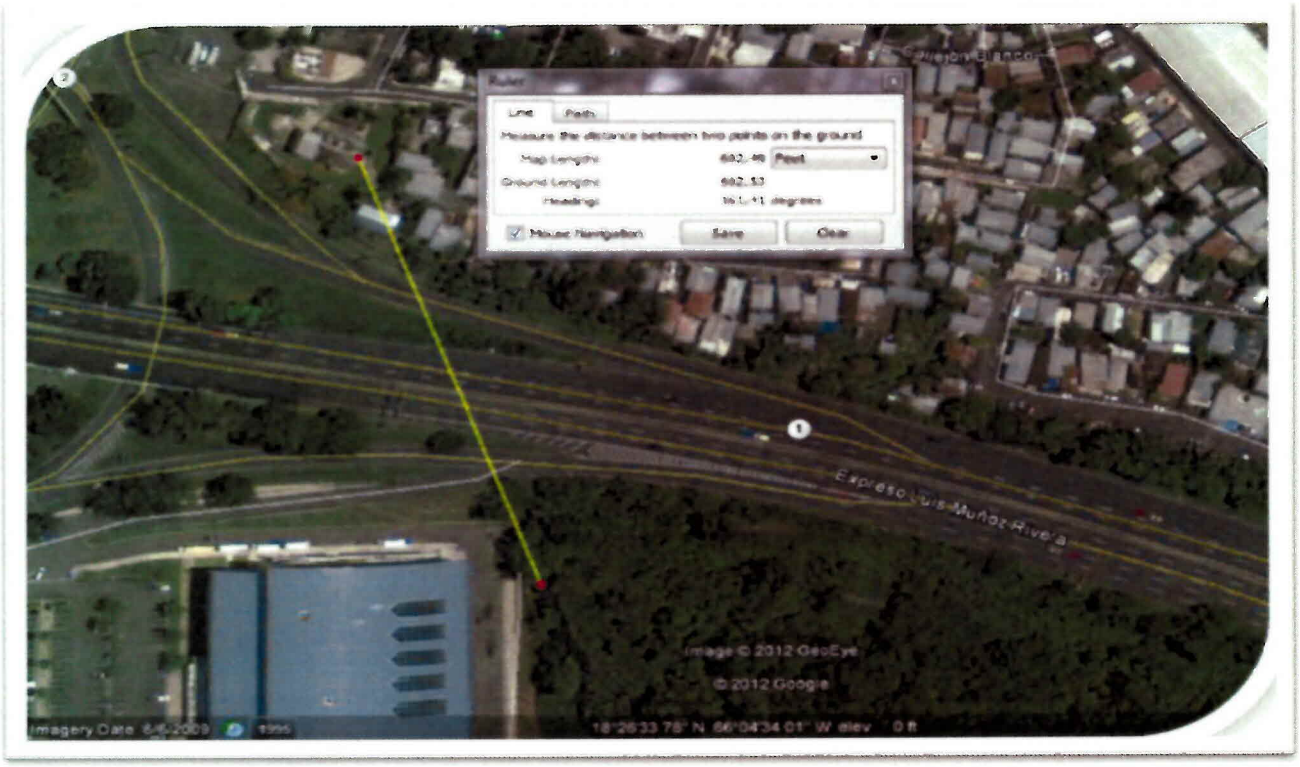


Figure 3-d Stop No. 18 SW FCPS Outfall Location and distance from SW FCPS's Facility



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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: Nelson J. Santiago Marrero

Title: Secretary Date: July 14, 2016