UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
CARIBBEAN ENVIRONMENTAL PROTECTION DIVISION
CITY VIEW PLAZA, SUITE 7000
#48 165 RD. KM 1.2
GUAYNABO, PR 00968-8069

OCT 24 2014

CERTIFIED MAIL - RETURN RECEIPT REQUESTED
Article Number: 7011 0470 0000 5040 4193

Alberto M. Lázaro Castro, P.E.
Executive President
Puerto Rico Aqueduct and Sewer Authority
P.O. Box 7066
San Juan PR 00916-9990

Hon. Carmen Yulín Cruz Soto
Mayor
Municipality of San Juan
P.O. Box 9024100
San Juan, Puerto Rico 00902-4100

Hon. Carmen R. Guerrero Pérez
Secretary
Puerto Rico Department of Natural and Environmental Resources
PO Box 366147, San Juan, PR 00936

Miguel A. Torres, P.E.
Secretary
Puerto Rico Department of Transportation and Public Works
P.O. Box 41269, San Juan PR 00940-1269

Re: Reconnaissance Inspections within the Municipality of San Juan December 18 and 20, 2013 Specific Outfalls and Sewers in the Rio Piedras River, Quebrada Mongil and Quebrada Del Ausubo and Los Corozos Lagoon Watersheds.
Municipality of San Juan ("MSJ") Municipal Separate Storm Sewer System ("MS4") Permit (PRR040036)
PRASA Puerto Nuevo Wastewater Treatment Plant Collection System (PR0021555)
Puerto Rico Department of Transportation and Public Works (DTPW) MS4 Permit (PRR040080)
Puerto Rico Department of Natural and Environmental Resources

Dear Mrs. Cruz, Guerrero, Messrs. Lázaro and Torres:

This letter is in reference to the National Pollutant Discharge Elimination System ("NPDES") Reconnaissance Inspection ("RI") with sampling conducted by the United States Environmental Protection Agency's ("EPA") Region 2, Water Compliance Branch and Caribbean Environmental Protection Division on December 18 and 20, 2013. This report indicates that certain potential non-compliance items and/or areas of concern which must be corrected and/or investigated to ensure compliance with your respective NPDES Permits and/or the Clean Water Act. Note that some of the findings identified in this report were previously communicated to San Juan and PRASA via phone and/or email and some of these items have already been addressed in full or in part.

Within forty five (45) days of receipt of this letter, respond to EPA-CEPD in writing with the actions that MSJ, PRASA, DNER and DTOP has taken or will take to address the non-compliance items and areas of concern identified in the report. MSJ, PRASA, DNER and/or DTPW must add these items to its Action Registry, and work to correct these items in an expeditious manner. If the item has already

been addressed also please note that in your response. However, if these items require extensive repairs and/or capital investments, than the work shall be scheduled in consideration of other priorities and the schedule included on the Action Registry.

Also, send a copy of your response to Douglas McKenna, Chief Water Compliance Branch, EPA Region 2, 290 Broadway, NY, NY 10007 and to Wanda E. García Hernández, Director, Water Quality Area, EQB, Puerto Rico Environmental Quality Board, P.O. Box 11488, Santurce, Puerto Rico 00910

If you have any questions please feel free to contact me at 787-977-5840.

Sincerely,

Jaime Géliga,
Chief
Municipal Water Program Branch
Caribbean Environmental Protection Division

Enclosure

cc: Wanda E. García Hernández, Director, Water Quality Area, PREQB
Eng. María Matos, Municipality of San Juan, Environmental Affairs Program
Eng. Hans Figueroa, Consultant, PRDNER, "Hans Figueroa" <hans@caribe.net>,
Ms. Irma López, Acting Director, Compliance and Quality Control, PRASA
Eng. Javier E. Ramos-Hernández, Executive Director, PRDTPW

bcc: Victoria Padrón, USEPA - CAPS
Murray Lantner, DECA-WCB w/enclosure
Carlos Villafañe, CEPD-MWPB electronically via email
Eduardo J. Gonzalez, EPA-ORC electronically via email
Kim Kramer, EPA-ORC electronically via email
Evelyn Rivera-Ocasio, EPA-ORC electronically via email
Susan Bruce, EPA-HQ electronically via email
Alan Morrissey, EPA-HQ electronically via email
Keith Tashima, USDOJ, ENRD-EES electronically via email
Patricia McKenna USDOJ, ENRD-EES electronically via email

United States Environmental Protection Agency Washington, D.C. 20460

Water Compliance Inspection Report Form Approved.
OMB No. 2040-0057
Approval expires 8-31-98

Section A: National Data System Coding (i.e., PCS)

Transaction Code	NPDES	yr/mo/day	Inspection Type	Inspector	Fac Type
1 N 2	3 PRR040036 11	12 131218 17	18	19 R	201

Remarks: 21 _____ 66

Inspection Work Days	Facility Self-Monitoring Evaluation Rating	B1	QA	Reserved
67 2 69	70 U	71	72	73747580

Section B: Facility Data

Name and Location of Facility Inspected *(for industrial users discharging to POTW, also include POTW name and NPDES permit number)*

Municipality of San Juan MS4 (Stop 18 Calle Figueroa/Calle Villamil Storm Sewer Main)
P.O. Box 9024100, San Juan, Puerto Rico 00902-4100

Entry Time/Date Permit Effective Date: December 18, 2013

Exit Time/Date Permit Expiration Date: December 20, 2013

Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s)

Not Contacted - San Juan MS4 Eng. María Matos:
MMATOS01@SanJuanCapital.com
Executive Director Tel. No. (787) 480-2253
Environmental Affairs Program

Name, Address of Responsible Official/Title/Phone and Fax Number(s)

Honorable Carmen Yulín Cruz Soto, Mayor
Autonomous Municipality of San Juan
P.O. Box 9024100
San Juan, Puerto Rico 00902-4100

Contacted: [ ] Yes [x] No

Other Facility Data

Alberto M. Lázaro Castro, P.E. Executive President, Puerto Rico Aqueduct and Sewer Authority (PRASA) Puerto Nuevo Regional WWTP, P.O. Box 7066, Barrio Obrero Station, Santurce, Puerto Rico 00916|
NPDES Permit No. PR0021555

Section C: Areas Evaluated During Inspection ***(Check only those areas evaluated)***

	Permit		Flow Measurement		Operations & Maintenance CSO/SSO (Sewer Overflow)
	Records/Reports		Self-Monitoring Program		Sludge Handling/Disposal Pollution Prevention
x	Facility Site Review		Compliance Schedules		Pretreatment Multimedia
x	Effluent/Receiving Water		Laboratory	x	Storm Water

Section D: Summary of Findings/Comments ***(Attach additional sheets of narrative and checklists as necessary)***

Roberto Martínez – PRASA Metro Region, San Juan Operations Supervisor – 787-406-6413
Not Contacted – PR Dept. of Transportation and Public Works - MS4 Permit No. PRR040080
Contact Eng. Carmen G. Alicea (787) 721-8787, Chief, Env. Studies Office
PR Dept. of Transportation and Public Works, P.O. Box 41269, San Juan PR 00940-1269
Not Contacted Hans Figueroa Puerto Rico Dept. of Natural and Environmental Resources
SEV Code A0020 WW SSO - Discharge to Waters

See Enclosed Report

Name(s) and Signature(s) of Inspector(s)
Murray Lantner, P.E. Environmental Engineer
Alex Rivera, Env. Eng. CEPD

Agency/Office/Phone and Fax Numbers Date
EPA Region 2 WCB/(212) 637-3976/ FAX: 637-4211 10/24/14
EPA-CEPD - 787-977-5845

Signature of Management Q A Reviewer
Jaime Geliga, Chief, CEPD-MWPB

Agency/Office/Phone and Fax Numbers Date 10/24/14
EPA Region 2, CEPD MWPB
787-977-5840 (ph)

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2, DECA-WCB
20th Floor, 290 Broadway, NY, NY 10007

AND

USEPA Region 2, CEPD-MWPB
CITY VIEW PLAZA II – SUITE 7000
#48 RD. 165 km 1.2
GUAYNABO, PR 00968-8069

Reconnaissance Inspection: Department of Natural and Environmental Resources (DNER) Barriada Figueroa (Stop 18 Pump Station) collection system

Puerto Rico Department of Transportation and Public Works (DTPW) (PRR040080).

Municipality of San Juan (MSJ) Municipal Separate Storm Sewer System ("MS4") Permit (PRR040036)

PRASA Puerto Nuevo Wastewater Treatment Plant Collection System (PR0021555)

Inspection Date: December 18 and 20th, 2013

Inspectors: Murray Lantner, P.E. Env. Eng. USEPA Region 2, DECA-WCB, (212) 637-3976
Alex Rivera, Env. Eng. EPA Region 2 CEPD-MWPB (787) 977-5845

A. Introduction

On December 18 and 20, 2013 Murray Lantner and Alex Rivera of EPA Region 2 conducted field screening of specific sewers in the Rio Piedras River, Quebrada Mongil and Quebrada Del Ausubo watersheds.

EPA conducted field screening of grab samples using Mardel Ammonia Test Strips (range from 0-6 mg/l) Note that these are not 40 CFR Part 136 approved methods, but are useful for field screening of outfalls. Ammonia has been used as a screening tool by some MS4s with severe or widespread sewage contamination. An ammonia concentration over 1 mg/l is generally considered to be a positive indicator for sewage contamination. Although some limitations have been identified, such as not detecting diluted sewage or elevated ammonia due to non-target sources such as irrigation, it does serve as a valuable

screening tool (Section 12, P. 132 and 133 of the 2004 IDDE Manual http://cfpub1.epa.gov/npdes/stormwater/idde.cfm).

Weather data from the LMM International Airport reported 0.29" of precipitation on December 18, 2013 and 0.38"on December 20, 2013. There was a precipitation event in the morning, just prior to the inspections conducted on December 20, 2013 (http://www.nws.noaa.gov/climate/index.php?wfo=sju) (See Attachment 2)

B. POTENTIAL NON COMPLINACE ITEMS/AREAS OF CONCERN

Table 1 December 18, 2013 EPA Reconnaissance Inspection, San Juan Puerto Rico

Location	Drainage	Summary	Photo Nos.	Attachment	Status
North (downstream) side of PR-845 (Calle San Claudio), West of Calle 1 at Quebrada del Ausubo – Near Cupey Post Office.	Quebrada Del Ausubo	Manhole on north side of PR-845 (downstream side of PR-845 bridge) on west side of Calle 1 on bridge over Queb. Del Ausubo that had signs of a sanitary sewer overflow ("SSO"), rags and debris seen outside of manhole. SSOs in this area would enter Queb. Del Ausubo located just below the manhole. The Sanitary sewers in this area of PR-845 are relatively shallow as they cross the Quebrada del Ausubo and PRASA must conduct additional sewer work in this area in terms of inspection, cleaning, capacity assessments are needed to cease Sanitary Sewer Overflows (SSOs) in this area.	1691, Video 1693	1,3 and 4	Potential Non Compliance
PR-845 (North (downstream) Side of Bridge) , West of Calle 1 – and Just West of Quebrada Del Ausubo – Near Cupey Post Office	Quebrada Del Ausubo	Manhole on north side of PR-845 just west of Queb. Del Ausubo on sidewalk near entrance to gas station. Rags/debris seen outside of manhole sign of Sanitary Sewer Overflow. The Sanitary sewers in this area of PR-845 are relatively shallow as they cross the Quebrada Del Ausubo and PRASA must conduct additional sewer work in this area in terms of inspection, cleaning, capacity assessments are needed cease Sanitary Sewer Overflows (SSOs) in this area.	1694	1,3 and 4	Potential Non Compliance

Table 1 December 18, 2013 EPA Reconnaissance Inspection, San Juan Puerto Rico					
Location	**Drainage**	**Summary**	**Photo Nos.**	**Attachment**	**Status**
PR-845 (South (upstream) side of bridge) at Calle 1 on East Side of Queb. Del Ausubo.	Quebrada Del Ausubo	There is a pipe and channel with signs of sanitary sewer overflows leading into the Queb. Del Ausubo. A sewage flow was seen coming from this discharge point by EPA into Queb. Del Ausubo two (2) days later on Dec. 20, 2013.	1695, 1969, Video 1697	1, 3, and 4	Potential Non Compliance
PR-845 (South (upstream) Side) on Sidewalk on east side of Queb. Del Ausubo.	Quebrada Del Ausubo	Manhole with growth and signs of high water and overflow.	1698	1,3, and 4	Potential Non Compliance
PR 845 and Calle 1 (Near Cupey Post Office)	Quebrada Del Ausubo	There is a manhole in the street that had a large flow coming through. Based on the photo and video there was a pipe near the top of the manhole that was sealed. This was thought to be a former overflow pipe. An area resident said that there are sanitary sewer overflows from this manhole.	1699, 1700	1,3, and 4	Potential Non Compliance
1542 Ponce De León Ave. (PR-8839, Sector El Cinco, San Juan PR) and Quebrada Mongil	Quebrada Mongil	The Quebrada Mongil flows out of a culvert on the north side of Ponce De León Ave. The Creek has a greenish color and samples with ammonia test strips in the field yielded results of 1 to 3 mg/l. Illicit Discharge Detection and Elimination work is needed in Quebrada Mongil to determine the source(s) of the elevated ammonia concentrations.	1703 to 1707	1	Potential Non Compliance

Table 1 December 18, 2013 EPA Reconnaissance Inspection, San Juan Puerto Rico

Location	Drainage	Summary	Photo Nos.	Attachment	Status
Calle Rodano and Calle Amazonas	Rio Piedras River	Sanitary Sewer Overflow from manhole at the junction of Calle Amazonas and Calle Rodano. Ammonia sample of the flow coming out of the manhole with ammonia test strips in the field yielded a result of 6 mg/l. The sewage flows downhill into a channel that flows directly into the Rio Piedras River. EPA tracked this flow down the channel and verified that it enters the Rio Piedras River. EPA has observed recurring sanitary sewer overflows at Calle Rodano and Calle Amazonas as well as at Calle Támesis and Calle Amazonas both within the Paraíso Development. Therefore sewer work in this area in terms of inspection, cleaning, capacity assessments are needed to cease Sanitary Sewer Overflows (SSOs) in this area. Alex Rivera of EPA notified PRASA's Yanira Cosme via telephone on December 18, 2013. EPA revisited this location on Friday December 20, 2013 and the overflow had ceased (See Photos 1804 and 1805). The flow in the sanitary sewer at this locations is towards Calle Rhin not Calle Támesis. On April 1, 2014 EPA's Alex Rivera documented SSO's occurring at this location. The wastewater manhole at Támesis and Amazonas Streets intersection and Rodano and Amazonas Streets intersection were found overflowing. PRASA's was informed via email on April 1, 2014, please refer to Attachments 7 and 8 for more details. EPA's Alex Rivera visited the area in May 2, 2014 and no SSOs were found, the system was observed flowing normally.	1708 to 1711 and 1714, Video 1715, 1716 to 1718, 1720 and Videos 1721, 1722 and 1723 also see Photos 1804 and 1805 taken on December 20, 2013	1, 7 and 8	Potential Non Compliance
Calle Rodano south of Calle Támesis	Rio Piedras River	Appeared to be a small drinking water line leak coming out of the street on Calle Rodano south of Calle Támesis. EPA's Alex Rivera visited the area on December 30, 2013 and the leak was corrected. An additional broken drinking line was observed on Amazonas Street and notified	1712, Video 1713	1	Corrected

Table 1 December 18, 2013 EPA Reconnaissance Inspection, San Juan Puerto Rico					
Location	**Drainage**	**Summary**	**Photo Nos.**	**Attach ment**	**Status**
		PRASA. The area was visited by EPA's Alex Rivera on February 4, 2014 and the situation was corrected.			
Calle Ural and Calle Wesser	Rio Piedras River	There was flow in the storm sewer at this location. The concentration of ammonia, using a test strip collected in the storm sewer was 0.25 mg/l. The ammonia concentration was not considered a concern, however, the level of flow in the sanitary sewer did appear high and is a concern. PRASA needs to conduct sewer work in this area in terms of inspection, cleaning, capacity assessments to prevent Sanitary Sewer Overflows (SSOs) in this area.	1724, 1725 and Video 1726, Photo 1727	1	Area of Concern
Calle San Lorenzo and Calle Ural	Rio Piedras River	There is a large sewer that runs between Calle Ural and the Rio Piedras River. The slope was eroding, exposing the buried pipe. Action must be taken to ensure the stability of this sewer pipe (See Photos 1729 and 1732 and Video 1730) A resident on San Lorenzo Street near intersection with Calle Ural said that the Sanitary Manhole at this location was prone to backups and would backup into his lateral line (See Photo 1735 and Video 1737) and SSOs from the manhole could reach the Rio Piedras River via storm drains. The resident also indicated that the trench drain at the foot of Calle San Lorenzo at the intersection of Calle Ural was also subject to overflowing and there may be an obstruction in its connection to the storm sewer (See 1736 and Video 1737). EPA dye tested this trench drain and confirmed that there was a connection from the trench drain to the storm sewer.	1729 to 1737 (which includes videos)	1	Potential Non Compliance

Table 1 December 18, 2013 EPA Reconnaissance Inspection, San Juan Puerto Rico

Location	Drainage	Summary	Photo Nos.	Attachment	Status
DNER Baldorioty de Castro PS	Los Corozos Lagoon	EPA visited the DNER Baldorioty de Castro Pump Station. There was dry weather flow from the box sewer shown in photographs 1738, 1739. EPA conducted ammonia test strip samples of the flow from the box sewer and recorded an ammonia concentration of 3 mg/l. EPA also used an ammonia test strip to analyze a sample that was collected by the DNER pump station operator earlier in the morning and that result was also 3 mg/l. The smaller 50,000 gpm pump that is usually run during dry weather was not operational and DNER was instead using the larger pumps. DNER said it was planning on installing two 8,000 gpm pumps to replace the 50,000 gpm pump that is used during dry weather. DNER should explain the operational status of the 50,000 gpm pump that was used during dry weather as well as the two 8,000 gpm pumps it is planning on installing. On December 20, 2013 EPA inspected a storm sewer manhole located upstream of the pump station located within school grounds. Several sewer lines that were flowing were seen entering the storm sewer line tributary to the Baldorioty de Castro PS in this location (See Photos 1832 and 1834)	1738, 1739, 1832 to 1834	1	Potential Non Compliance

Table 2 EPA Reconnaissance Inspection December 20, 2013, San Juan Puerto Rico					
Location	**Drainage**	**Summary**	**Photo/Video Nos.**	**Attach ments**	**Status**
Broken Water Line on Calle Marina, east of Calle Muelle in Old San Juan	San Juan Bay	On the evening of December 19, 2013, EPA observed a broken water line at this location. EPA tried to call it into the PRASA customer service call in number twice that evening but the PRASA call in center dropped the call twice so EPA was not able to call in the break at that time. EPA viewed and photographed the broken water line during a rain event on the morning of December 20, 2013. EPA notified PRASA via email of the leak on December 20, 2013. Via email on December 23, 2013, PRASA notified that the break was repaired on Saturday Dec. 21st, 2013 (See Attachment).	1800 to 1802 and Video 1803	1 and 5	Repaired

Table 2 EPA Reconnaissance Inspection December 20, 2013, San Juan Puerto Rico					
Location	**Drainage**	**Summary**	**Photo/Video Nos.**	**Attach ments**	**Status**
PR-845, Calle 1 – Quebrada Ausubo – Cupey Post Office	Quebrada Ausubo	On December 20, 2013, as shown in the photographs and videos there was a discharge of sanitary wastewater from a Sanitary Sewer directly into the Quebrada del Ausubo at PR-845 shown in the location map in Attachment 3. EPA took an ammonia screening sample of the discharge in the field and obtained a result of 6 mg/l. There was a sewage odor and the discharge turned the Quebrada Del Ausubo a greyish/greenish color downstream of the sewage discharge. EPA dye tested sanitary sewer manholes in the vicinity and identified the overflowing manhole, shown with a red circle in Attachment 3. The flow was reaching the discharge point via pipe, so there was an overflow pipe set within the sanitary manhole. EPA notified PRASA via email on December 20, 2013 of the Sanitary Sewer Overflow. PRASA later reported back to EPA that the overflow pipe in the manhole was sealed. The Sanitary sewers in this area of PR-845 are relatively shallow as they cross the Quebrada del Ausubo and additional sewer work in this area in terms of inspection, cleaning, capacity assessments are needed to ensure that these sewers won't simply overflow in a nearby location or overflow from the manholes. Note that it was not raining during this inspection however there was a precipitation event earlier in the morning a few hours prior to the inspection.	1806 to 1827 and 6179, 6180, 6193, 6194, 6195, 6197 to 2000,	1,3, and 4	Potential Non Compliance (PRASA reported on that overflow pipe sealed) but follow up to prevent Sanitary Sewer Overflows at this location is needed.

Table 2 EPA Reconnaissance Inspection December 20, 2013, San Juan Puerto Rico					
Location	**Drainage**	**Summary**	**Photo/Video Nos.**	**Attach ments**	**Status**
Crown Hills - Calle Jájome	Rio Piedras River	Based on complaints to EPA about sewage in the storm sewer and a mosquito problem, EPA inspected the storm sewer tributary to the Rio Piedras that runs perpendicular to Calle Jájome at or near 1781 and 1791 Calle Jájome in Crown Hills, San Juan. EPA opened the storm sewer catch basin and observed a flow (Note that it was not raining during the inspection however there was a precipitation event earlier in the morning a few hours prior to the inspection.) EPA grabbed a sample of the flow in the storm sewer and detected a sewage odor and ammonia concentrations using the test strips were 3 to 6 mg/l. There is a sanitary trunk line that runs down Calle Jájome (Photos 1828 and 1830), EPA placed dye in the sanitary trunk sewer manhole just upstream of the point where the sanitary trunk sewer crosses the storm sewer. EPA did not see the dye in the storm sewer after 5 to 10 minutes of observing the storm sewer. Alex Rivera of EPA notified PRASA, MSJ and other parties via email on December 20, 2013. PRASA reported on April 14, 2014 as part of their presentation at EPA- CEPD that the pipe was replaced and the sanitary discharge was eliminated. However, on May 20, 2014 we received an additional complaint alleging that the situation of wastewater odors at the storm sewer persist, occurring this time in front of Jájome Street residence #1800. The situation was referred to PRASA via email on May 20, 2014.	1828 to 1831	1, 6, and 7	Potential Non Compliance

C. ATTACHMENTS

1. Photograph Log and Photographs
2. December 2013 LMMIA Weather Data
3. Map of PR-845 and Quebrada Del Ausubo
4. Dec. 20, 2013 email from EPA to PRASA/MSJ/DTPW related to Sanitary Sewer Overflow at PR-845 (Calle San Claudio) Calle 1 (Area of Cupey Post Office)
5. Emails between EPA and PRASA 12/20/13 and 12/23/13 related to Broken Water Line Calle Marina, Calle Muelle

6. Dec. 20, 2013 email from EPA to PRASA/MSJ related to sanitary wastewater discharge in storm sewer at Calle Jajome
7. EPA May 20, 2014 Email to PRASA Citizen Complaint Crown Hills, Jájome Street
8. Wastewater overflows at El Paraíso Residential Development email notification to PRASA
9. El Paraíso Residential Development SSO's Photos

ATTACHMENT 1
Photographs, Municipality of San Juan (Storm Sewers/Sanitary Sewers) Inspection, December 18 and December 20, 2013. Nikon Coolpix P 510

Photo ID No.	Date	Photo Description
DSCN1691	12/18/2014	Manhole on north side of PR-845 (downstream side of bridge) on west side of Calle 1 on bridge over Queb. Del Ausubo that had signs of a sanitary sewer overflow, rags and debris seen outside of manhole.
DSCN1692	12/18/2014	Cupey Post Office on north side of PR-845 and east of Calle 1.
DSCN1693	12/18/2014	Video Manhole on north side of PR-845 (downstream side of bridge) on west side of Calle 1 on bridge over Queb. Del Ausubo that had signs of a sanitary sewer overflow, rags and debris seen outside of manhole.
DSCN1694	12/18/2014	Manhole on north side of PR-845 just west of Queb. Del Ausubo on sidewalk near entrance to gas station. Rags/debris seen outside of manhole sign of Sanitary Sewer Overflow.
DSCN1695	12/18/2014	PR-845 (South Side) on East Side of Queb. Del Ausubo. Pipe and channel leading to Queb. Del Ausubo. Rags/Debris in channel.
DSCN1696	12/18/2014	PR-845 (South Side) on East Side of Queb. Del Ausubo. Pipe and channel leading to Queb. Del Ausubo. Rags/Debris in channel.
DSCN1697	12/18/2014	Video PR-845 (South Side) on East Side of Queb. Del Ausubo. Pipe and channel leading to Queb. Del Ausubo. Rags/Debris in channel.

ATTACHMENT 1
Photographs, Municipality of San Juan (Storm Sewers/Sanitary Sewers) Inspection, December 18 and December 20, 2013. Nikon Coolpix P 510

Photo ID No.	Date	Photo Description
DSCN1698	12/18/2014	PR-845 (South Side) on Sidewalk on east side of Queb. Del Ausubo. Manhole with growth and signs of high water and overflow
DSCN1699	12/18/2014	Sealed overflow pipe in manhole on PR-845 and Calle 1. There was a large sewage flow in the manhole and the flow is just a couple of feet below the manhole rim and within 6" to 1' of the former overflow pipe.
DSCN1700	12/18/2014	Video of sealed overflow pipe in manhole on PR-845 and Calle1. There was a large sewage flow in the manhole and the flow is just a couple of feet below the manhole rim and within 6" to 1' of the former overflow pipe.
DSCN1701	12/18/2014	Street sign Calle 1 and PR-845 at Cupey Post Office
DSCN1702	12/18/2014	Manhole with large flow at PR-845 and Calle 1.
DSCN1703	12/18/2014	Quebrada Mongil north side of Ponce De León Ave. in Sector El Cinco, San Juan PR. Creek is a greenish color. Trash and debris seen inside the Creek.
DSCN1704	12/18/2014	Quebrada Mongil north side of Ponce De León Ave. in Sector El Cinco, San Juan PR. Creek is a greenish color
DSCN1705	12/18/2014	Quebrada Mongil north side of Ponce De León Ave. in Sector El Cinco, San Juan PR. Creek is a greenish color
DSCN1706	12/18/2014	Quebrada Mongil north side of Ponce De León Ave. in Sector El Cinco, San Juan PR. Creek is a greenish color. Located across from Juval Trading Company, Inc.
DSCN1707	12/18/2014	Quebrada Mongil north side of Ponce De León Ave. in Sector El Cinco, San Juan PR. Creek is a greenish color
DSCN1708	12/18/2014	Sanitary Sewer Overflow at Calle Rodano and Calle Amazonas in the Paraíso Development. Flow flows downhill towards Calle Támesis then flows through a channel to the Río Piedras River.

ATTACHMENT 1
Photographs, Municipality of San Juan (Storm Sewers/Sanitary Sewers) Inspection, December 18 and December 20, 2013. Nikon Coolpix P 510

Photo ID No.	Date	Photo Description
DSCN1709	12/18/2014	Video Sanitary Sewer Overflow at Calle Rodano and Calle Amazonas in the Paraíso Development. Flow flows downhill towards Calle Támesis then flows through a channel to the Río Piedras River.
DSCN1710	12/18/2014	Street sign at Calle Rodano and Calle Amazonas, Sanitary Sewer Overflow location.
DSCN1711	12/18/2014	Sanitary Sewer Overflow at Calle Rodano and Calle Amazonas in the Paraíso Development. Flow flows downhill towards Calle Támesis then flows through a channel to the Río Piedras River.
DSCN1712	12/18/2014	Photo of a flow coming out of the pavement on Calle Rodano and flowing towards Calle Amazonas flow thought to be from drinking water line
DSCN1713	12/18/2014	Video of a flow coming out of the pavement on Calle Rodano and flowing towards Calle Amazonas -flow thought to be from drinking water line.
DSCN1714	12/18/2014	Sanitary Sewer Overflow from Calle Rodano/Amazonas flows downhill towards Calle Támesis and then flows into a channel that flows directly into the Río Piedras River.
DSCN1715	12/18/2014	Sanitary Sewer Overflow from Calle Rodano/Amazonas flows downhill towards Calle Támesis and then flows into a channel that flows directly into the Río Piedras River.
DSCN1716	12/18/2014	Sanitary Sewer Overflow from Calle Rodano/Amazonas flows downhill towards Calle Támesis and then flows into a channel that flows directly into the Río Piedras River.
DSCN1717	12/18/2014	Sanitary Sewer Overflow from Calle Rodano/Amazonas flows downhill towards Calle Támesis and then flows into a channel that flows directly into the Río Piedras River.

ATTACHMENT 1
Photographs, Municipality of San Juan (Storm Sewers/Sanitary Sewers) Inspection, December 18 and December 20, 2013. Nikon Coolpix P 510

Photo ID No.	Date	Photo Description
DSCN1718	12/18/2014	Sanitary Sewage from Sanitary Sewer Overflow from Calle Rodano/Amazonas flowing downhill towards Calle Támesis and then enters channel flowing to Río Piedras River.
DSCN1719	12/18/2014	
DSCN1720	12/18/2014	Channel with sanitary sewage flow from Calle Rodano/Amazonas entering the Río Piedras River
DSCN1721	12/18/2014	Video of channel with sanitary sewage flow from Calles Rodano/Amazonas entering the Río Piedras River
DSCN1722	12/18/2014	Video of channel with sanitary sewage flow from Calle Rodano/Amazonas entering the Río Piedras River
DSCN1723	12/18/2014	Video of channel with sanitary sewage flow from Calle Rodano/Amazonas entering the Río Piedras River
DSCN1724	12/18/2014	Sanitary sewer at Calle Ural and Calle Wesser, level in sewer/manhole relatively high.
DSCN1725	12/18/2014	Sanitary sewer at Calle Ural and Calle Wesser, level in sewer/manhole relatively high.
DSCN1726	12/18/2014	Video of sanitary sewer at Calle Ural and Calle Wesser, level in sewer/manhole relatively high.
DSCN1727	12/18/2014	Sampling of the storm sewer at Calle Ural and Calle Wesser.
DSCN1728	12/18/2014	Storm discharge point off of Calle Ural
DSCN1729	12/18/2014	Eroded slope around and under sewer pipe parallel to Calle Ural at or near Calle San Lorenzo.
DSCN1730	12/18/2014	Video of eroded slope around and under sewer pipe parallel to Calle Ural at or near Calle San Lorenzo.

ATTACHMENT 1
Photographs, Municipality of San Juan (Storm Sewers/Sanitary Sewers) Inspection, December 18 and December 20, 2013. Nikon Coolpix P 510

Photo ID No.	Date	Photo Description
DSCN1731	12/18/2014	Gate on Calle Ural that separates Calle Ural near Calle San Lorenzo from the Paraíso community.
DSCN1732	12/18/2014	Eroded slope around and under sewer pipe parallel to Calle Ural at or near Calle San Lorenzo.
DSCN1733	12/18/2014	Street sign at Calle San Lorenzo and Calle Ural
DSCN1734	12/18/2014	Street sign at Calle San Lorenzo and Calle Ural
DSCN1735	12/18/2014	Sanitary sewer at Calle San Lorenzo and Calle Ural. Sanitary sewer is quite shallow relative to the manhole rim.
DSCN1736	12/18/2014	Trench drain at foot of Calle San Lorenzo at the intersection with Calle Ural
DSCN1737	12/18/2014	Video Trench drain at foot of Calle San Lorenzo at the intersection with Calle Ural
DSCN1738	12/18/2014	Flow during dry weather from the box sewer into the Baldorioty de Castro Pump Station
DSCN1739	12/18/2014	Flow during dry weather from the box sewer into the Baldorioty de Castro Pump Station
DSCN1800	12/20/2014	There was broken Water Line on Calle Marina, east of Calle Muelle in Old San Juan
DSCN1801	12/20/2014	There was broken Water Line on Calle Marina, east of Calle Muelle in Old San Juan
DSCN1802	12/20/2014	There was broken Water Line on Calle Marina, east of Calle Muelle in Old San Juan
DSCN1803	12/20/2014	There was broken Water Line on Calle Marina, east of Calle Muelle in Old San Juan
DSCN1804	12/20/2014	Manhole Calle Rodano and Calle Amazonas overflow ceased during reinspection on December 20, 2014
DSCN1805	12/20/2014	Manhole Calle Rodano and Calle Amazonas overflow ceased during reinspection on December 20, 2014
DSCN1806	12/20/2014	Sanitary Sewer Overflow into Quebrada Del Ausubo just upstream of PR-845 and Calle 1 across PR-845 from Cupey Post Office.

ATTACHMENT 1
Photographs, Municipality of San Juan (Storm Sewers/Sanitary Sewers) Inspection, December 18 and December 20, 2013. Nikon Coolpix P 510

Photo ID No.	Date	Photo Description
DSCN1807	12/20/2014	Photo of Quebrada Del Ausubo upstream of the Sanitary Sewer Overflow (just upstream of PR-845/Calle 1 across from Cupey Post Office.)
DSCN1808	12/20/2014	Video of Sanitary Sewer Overflow into Queb. Del Ausubo just upstream of PR-845/Calle 1, Cupey. The discharge turned the Creek a greenish/grey color. Upstream of the SSO discharge Queb. Del Ausubo was clearer.
DSCN1809	12/20/2014	Photo of Quebrada Del Ausubo downstream of the Sanitary Sewer Overflow (just downstream of the PR-845/Calle 1 across from Cupey Post Office.
DSCN1810	12/20/2014	Cupey Post Office and Calle 1 taken from Queb Del Ausubo on downstream (north side) of PR-845 bridge.
DSCN1811	12/20/2014	Video of Queb. Del Ausubo downstream (north) of PR-845. The creek was turned a green/grey color downstream of the Sanitary Sewer Overflow (SSO) on the upstream (south) side of the PR-845 bridge
DSCN1812	12/20/2014	Manhole on north side of PR-845 that was not the manhole where the SSO was occurring. An overflow pipe in this manhole was sealed in the past. Note that the level of water in the manhole is close within 1 to 2 feet of the manhole rim and there is a high level of flow.
DSCN1813	12/20/2014	Video of Manhole on north side of PR-845 that was not the manhole where the SSO was occurring. An overflow pipe in this manhole was sealed in the past. Note that the level of water in the manhole is close within 1 to 2 feet of the manhole rim and there is a high level of flow.
DSCN1814	12/20/2014	Catch basin on north side of PR-845 west of Calle 1 and west of Queb. Del Ausubo near entrance to Total Gas Station
DSCN1815	12/20/2014	Catch basin on north side of PR-845 west of Calle 1 and west of Queb. Del Ausubo near entrance to Total Gas Station

ATTACHMENT 1
Photographs, Municipality of San Juan (Storm Sewers/Sanitary Sewers) Inspection, December 18 and December 20, 2013. Nikon Coolpix P 510

Photo ID No.	Date	Photo Description
DSCN1816	12/20/2014	Video of Catch basin on north side of PR-845 west of Calle 1 and west of Queb. Del Ausubo near entrance to Total Gas Station
DSCN1817	12/20/2014	Catch basin on north side of PR-845 west of Calle 1 and west of Queb. Del Ausubo near entrance to Total Gas Station
DSCN1818	12/20/2014	Viewing a downstream manhole on the north side of PR-845 after Dye testing of a manhole on South side of PR-845 and seeing the dye come through on the north side of PR-845 near gas station. The first dye tested manhole was not overflowing into the Quebrada.
DSCN1819	12/20/2014	Viewing of a manhole on north side of PR-845 with dye coming through. Dye testing of a manhole on South side of PR-845 and seeing the dye come through on the north side of PR-845 near gas station. The first dye tested manhole was not overflowing into the Quebrada.
DSCN1820	12/20/2014	Dye testing of a manhole on the upstream side (south side) of PR-845 adjacent to Queb. Del Ausubo near Zee Medical Services building was the source of the sanitary sewer overflow, the dyed sewage is seen flowing into the Quebrada Del Ausubo.
DSCN1821	12/20/2014	Dye testing of a manhole on the upstream side (south side) of PR-845 adjacent to Queb. Del Ausubo near Zee Medical Services building was the source of the sanitary sewer overflow, the dyed sewage is seen flowing into the Quebrada Del Ausubo.
DSCN1822	12/20/2014	Dye testing of a manhole on the upstream side (south side) of PR-845 adjacent to Queb. Del Ausubo near Zee Medical Services building was the source of the sanitary sewer overflow, the dyed sewage is seen flowing into the Quebrada Del Ausubo.

ATTACHMENT 1
Photographs, Municipality of San Juan (Storm Sewers/Sanitary Sewers) Inspection, December 18 and December 20, 2013. Nikon Coolpix P 510

Photo ID No.	Date	Photo Description
DSCN1823	12/20/2014	Dye testing of a manhole on the upstream side (south side) of PR-845 adjacent to Queb. Del Ausubo near Zee Medical Services building was the source of the sanitary sewer overflow, the dyed sewage is seen flowing into the Quebrada Del Ausubo.
DSCN1824	12/20/2014	Dye testing of a manhole on the upstream side (south side) of PR-845 adjacent to Queb. Del Ausubo near Zee Medical Services building was the source of the sanitary sewer overflow, the dyed sewage is seen flowing into the Quebrada Del Ausubo.
DSCN1825	12/20/2014	Dye testing of a manhole on the upstream side (south side) of PR-845 adjacent to Queb. Del Ausubo near Zee Medical Services building was the source of the sanitary sewer overflow, the dyed sewage is seen flowing into the Quebrada Del Ausubo.
DSCN1826	12/20/2014	Dye testing of a manhole on the upstream side (south side) of PR-845 adjacent to Queb. Del Ausubo near Zee Medical Services building was the source of the sanitary sewer overflow, the dyed sewage is seen flowing into the Quebrada Del Ausubo.
DSCN1827	12/20/2014	The manhole on the upstream side (southeast side) of Queb. Del Ausubo that was dye tested and the dye entered the Queb. Del Ausubo upstream (south) of PR-845 on the east side of Queb. Del Ausubo
DSCN1828	12/20/2014	Sanitary Trunk Line on Calle Jájome - Debris seen on the top rung of the ladder in the sanitary manhole.
DSCN1829	12/20/2014	1781 Calle Jájome, Crown Hills (Storm sewer catch basin that had raw sewage in it flowing near this house towards Rio Piedras River)
DSCN1830	12/20/2014	Sanitary Trunk Line on Calle Jájome - Debris seen on the top rung of the ladder in the sanitary manhole.

ATTACHMENT 1
Photographs, Municipality of San Juan (Storm Sewers/Sanitary Sewers) Inspection, December 18 and December 20, 2013. Nikon Coolpix P 510

Photo ID No.	Date	Photo Description
DSCN1831	12/20/2014	1781 Calle Jájome, Crown Hills (Storm sewer catch basin that had raw sewage in it flowing near this house towards Rio Piedras River)
DSCN1832	12/20/2014	Manhole inside of school adjacent to Baldorioty de Castro PS, flow enters sewer tributary to Baldorioty de Castro PS
DSCN1833	12/20/2014	Manhole inside of school adjacent to Baldorioty de Castro PS, flow enters sewer tributary to Baldorioty de Castro PS
DSCN1834	12/20/2014	Manhole inside of school adjacent to Baldorioty de Castro PS, flow enters sewer tributary to Baldorioty de Castro PS

Attachment 1 – Photos

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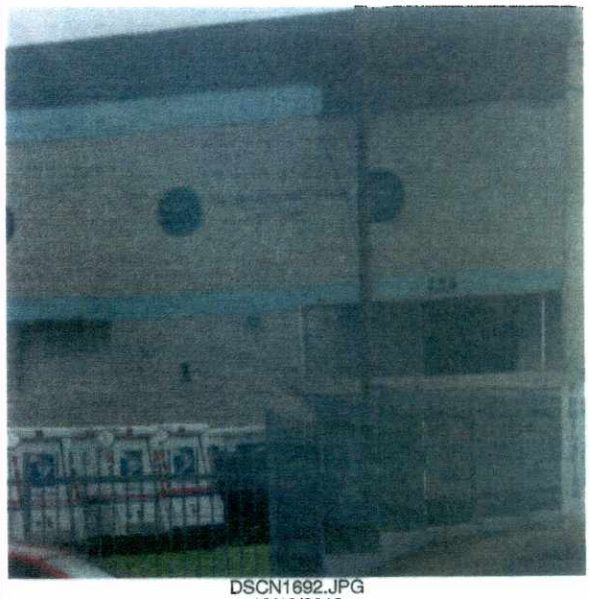

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12/18/2013

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12/18/2013

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12/18/2013

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12/18/2013

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12/18/2013

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12/18/2013

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12/18/2013

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12/18/2013

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12/18/2013

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12/18/2013

DSCN1712.JPG
12/18/2013

DSCN1714.JPG
12/18/2013

DSCN1716.JPG
12/18/2013

DSCN1717.JPG
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12/18/2013

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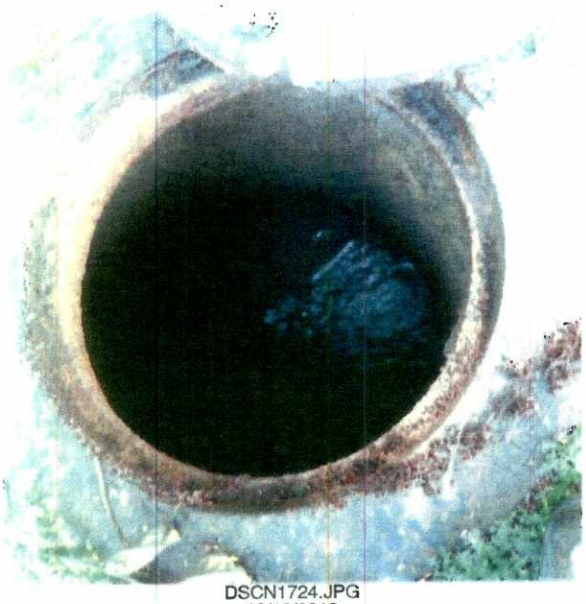
12/18/2013



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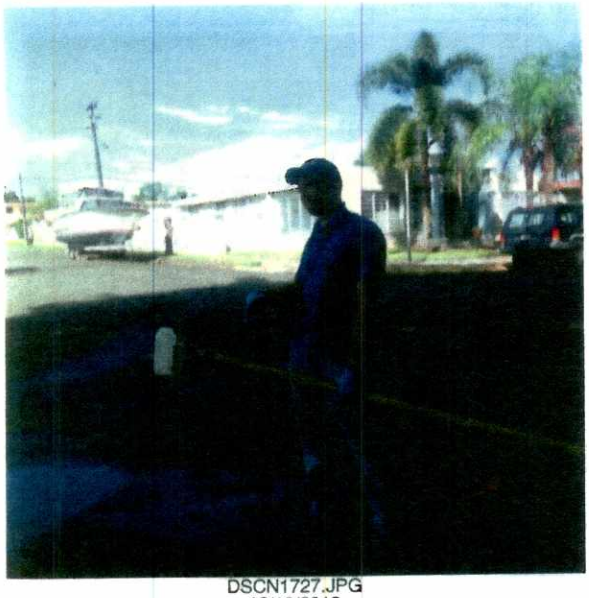

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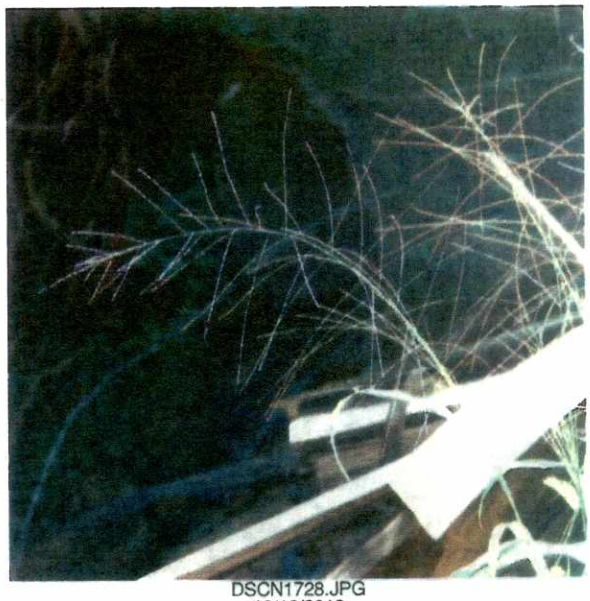

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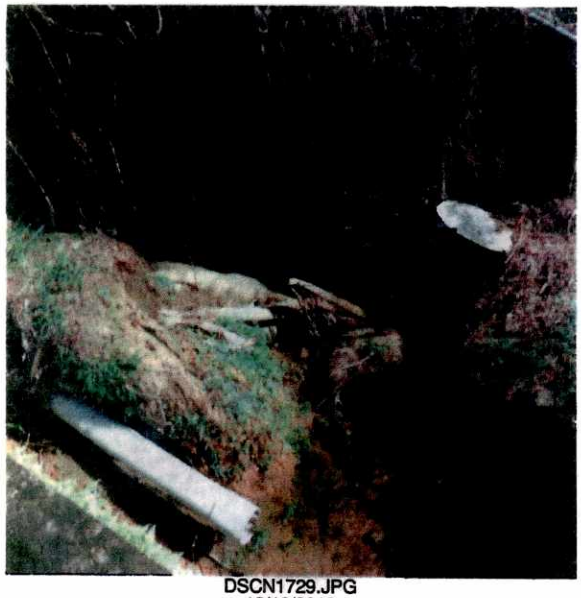

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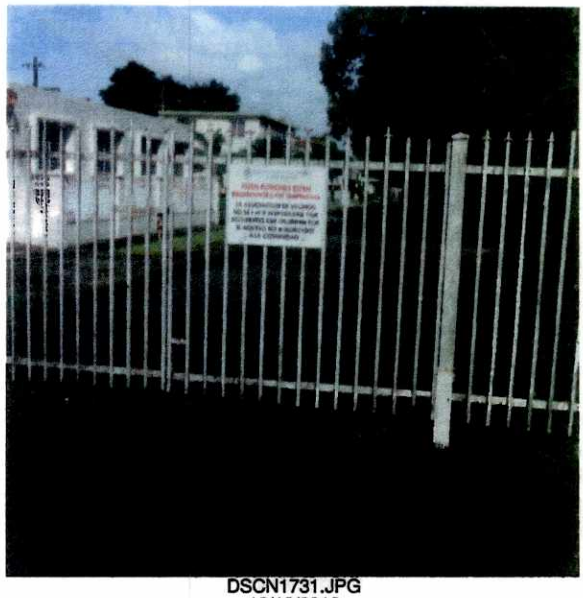

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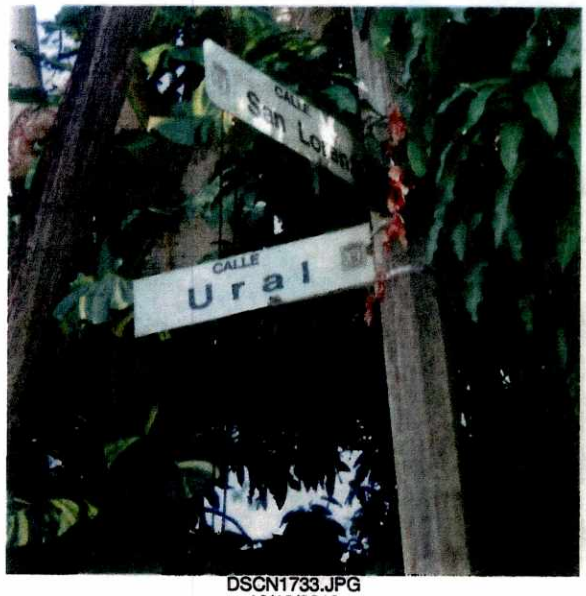

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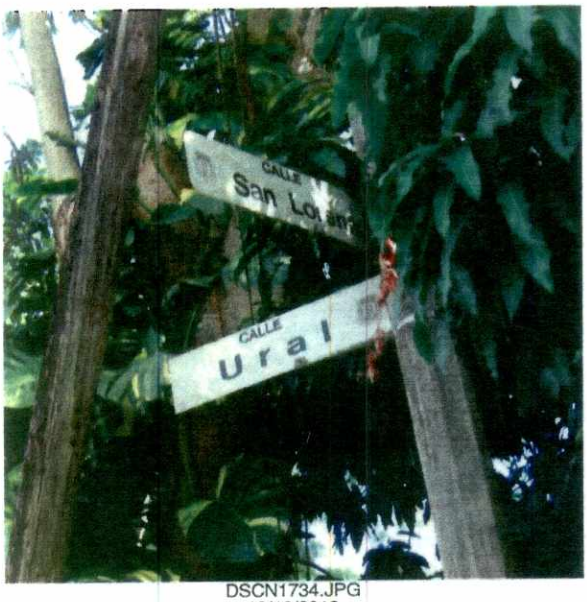

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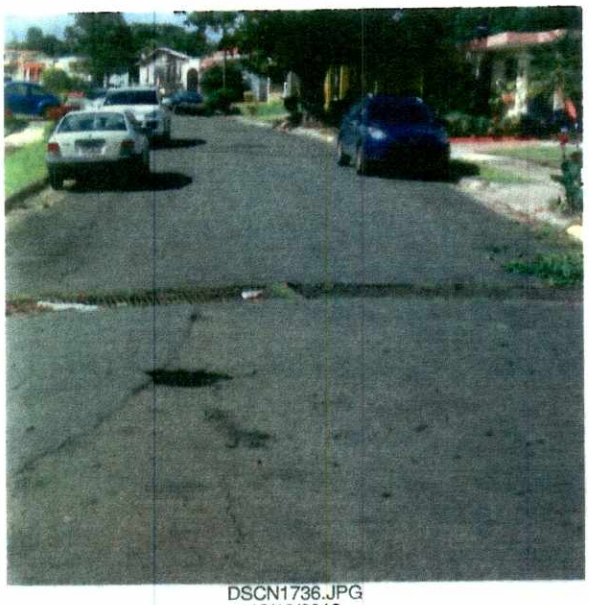

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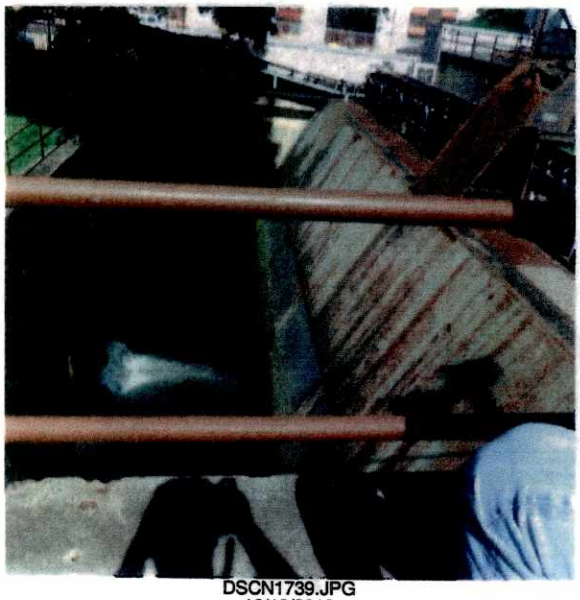

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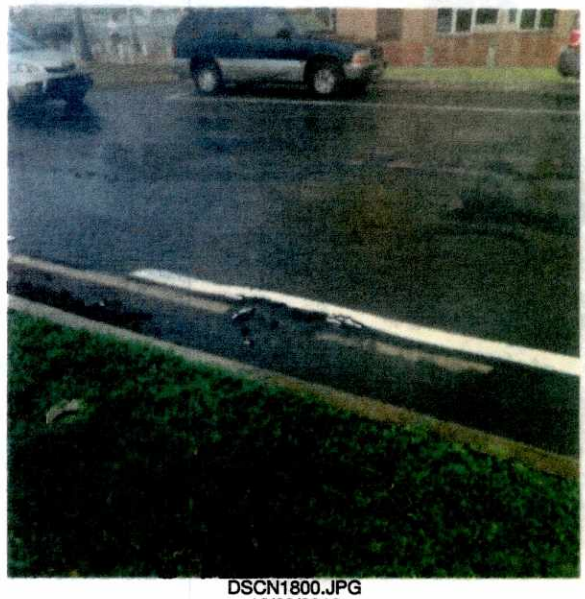

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12/20/2013

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12/20/2013

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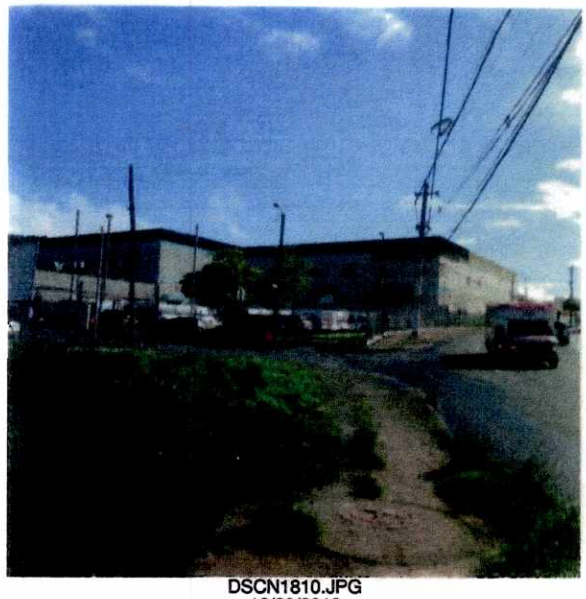

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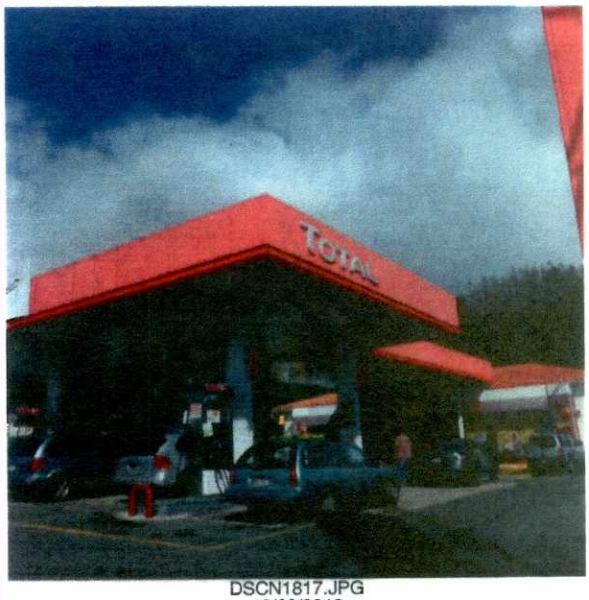

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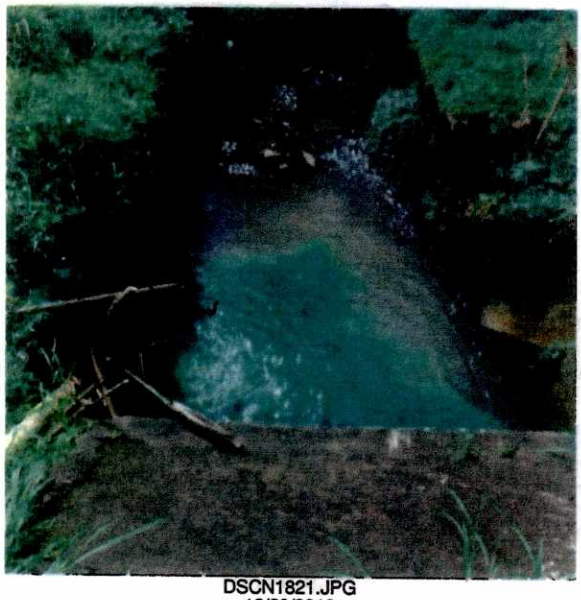

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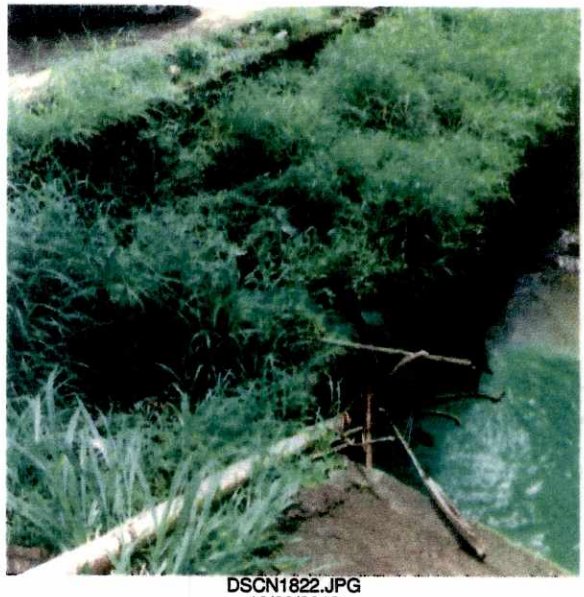

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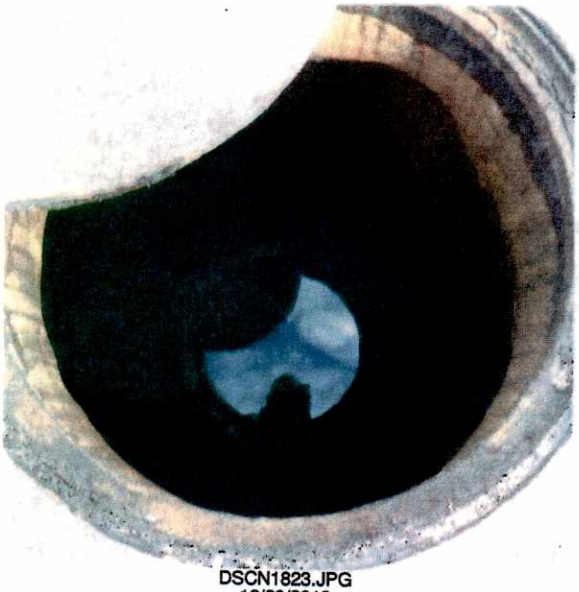

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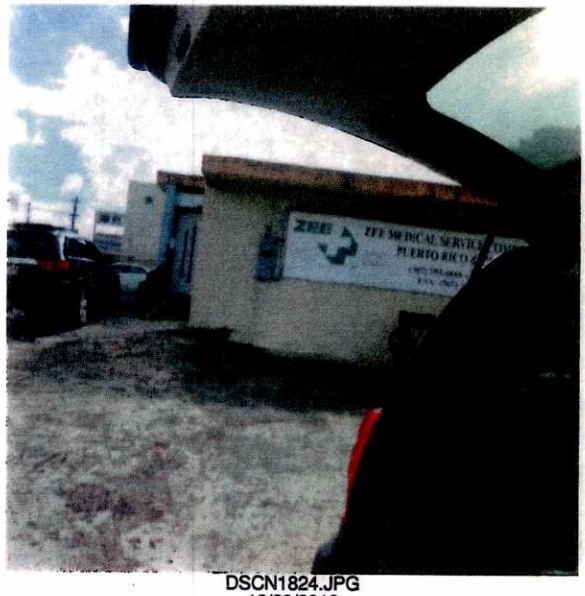

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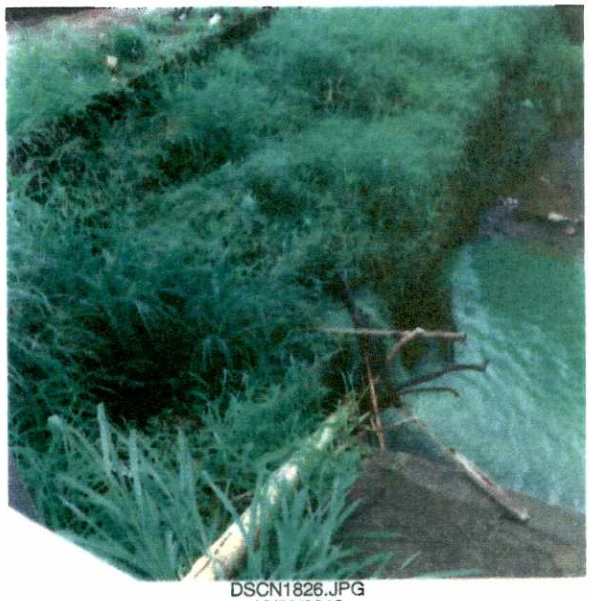

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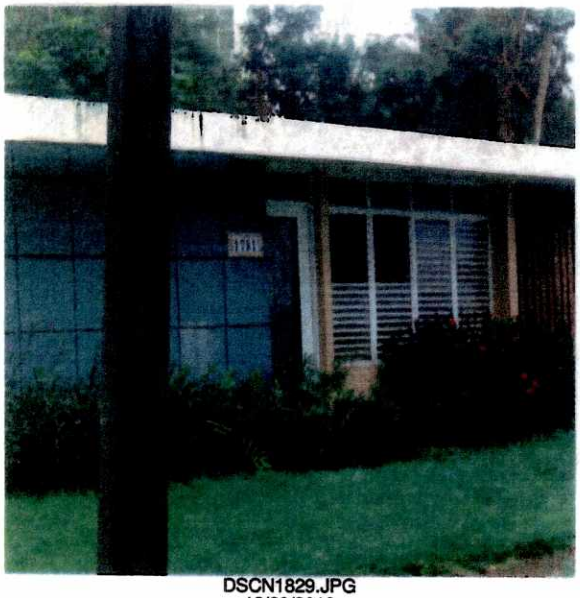

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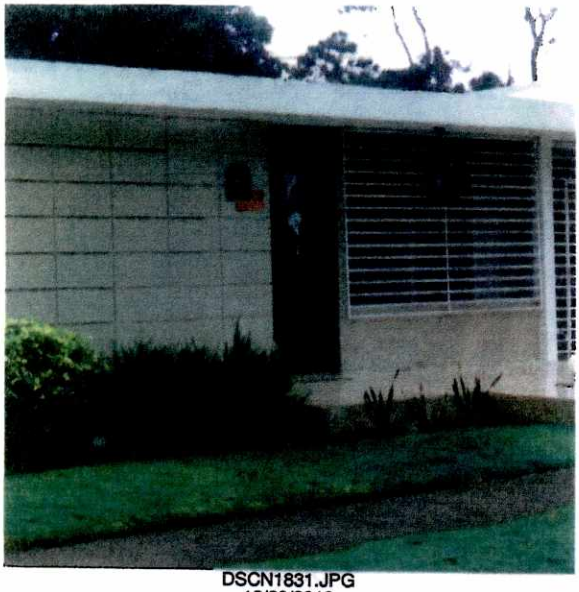

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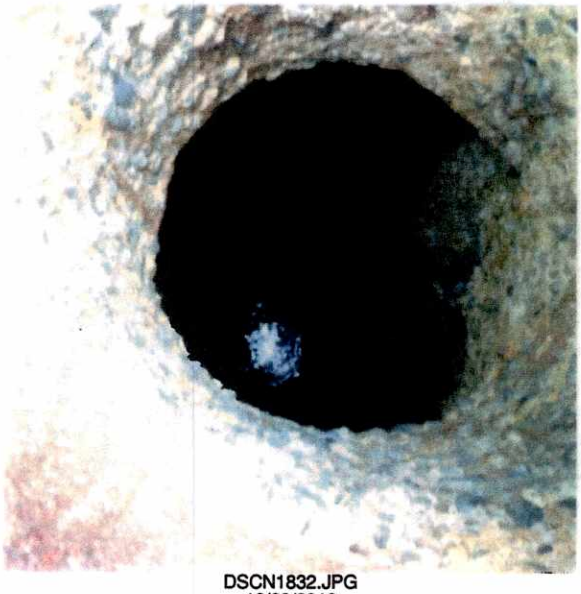

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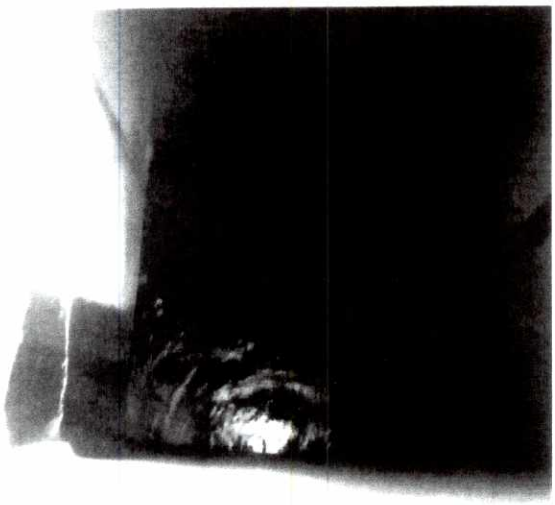

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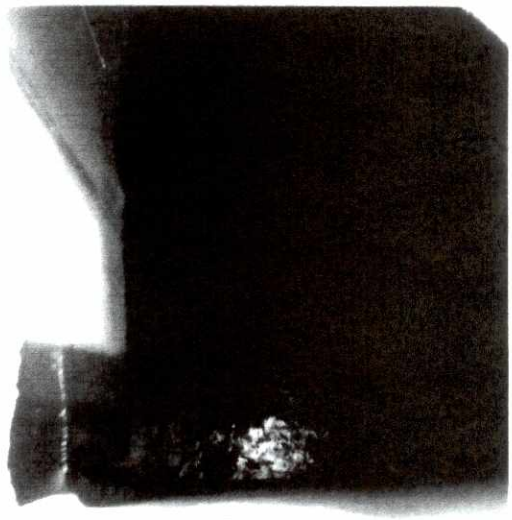

DSCN1834.JPG
12/20/2013

Attachment 2 – Climate Data

Explanation of the Preliminary Monthly Climate Data (F6) Product

These data are preliminary and have not undergone final quality control by the National Climatic Data Center (NCDC). Therefore, these data are subject to revision. Final and certified climate data can be accessed at the NCDC - http://www.ncdc.noaa.gov.

WFO Monthly/Daily Climate Data

000
CXUS52 TJSJ 010520
CF6JSJ
PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6)

STATION: SAN JUAN/P.R.
MONTH: DECEMBER
YEAR: 2013
LATITUDE: 18 25 N
LONGITUDE: 66 0 W

TEMPERATURE IN F:							:PCPN:	SNOW:	WIND				:SUNSHINE:	SKY		:PK WND	
1	2	3	4	5	6A	6B	7	8	9	10	11	12	13	14	15	16	17	18
									12Z	AVG	MX	2MIN						
DY	MAX	MIN	AVG	DEP	HDD	CDD	WTR	SNW	DPTH	SPD	SPD	DIR	MIN	PSBL	S-S	WX	SPD	DR
1	80	71	76	-3	0	11	0.19	0.0	0	3.7	15	90	M	M	5	1	17	120
2	86	70	78	-1	0	13	T	0.0	0	4.0	12	140	M	M	3	1	18	140
3	86	75	81	2	0	16	0.68	0.0	0	1.6	13	90	M	M	5	1	16	130
4	80	71	76	-3	0	11	1.19	0.0	0	1.5	20	100	M	M	6	1	25	100
5	81	71	76	-3	0	11	2.31	0.0	0	3.5	20	90	M	M	5	123	24	90
6	85	74	80	1	0	15	T	0.0	0	7.6	22	70	M	M	4		26	60
7	84	76	80	1	0	15	0.09	0.0	0	14.8	28	70	M	M	6		33	70
8	85	76	81	2	0	16	0.10	0.0	0	17.9	28	70	M	M	7	8	35	70
9	87	78	83	4	0	18	0.08	0.0	0	15.6	28	60	M	M	5	8	36	60
10	87	75	81	2	0	16	0.36	0.0	0	9.3	22	90	M	M	5		26	100
11	85	77	81	2	0	16	0.09	0.0	0	12.3	28	70	M	M	5	1	32	70
12	87	77	82	3	0	17	T	0.0	0	8.6	18	60	M	M	3		23	70
13	87	76	82	3	0	17	T	0.0	0	7.7	22	60	M	M	3		25	80
14	86	76	81	2	0	16	0.02	0.0	0	8.7	25	80	M	M	4	8	32	80
15	85	77	81	2	0	16	0.08	0.0	0	7.5	28	100	M	M	5	8	33	90
16	86	76	81	2	0	16	0.07	0.0	0	9.0	20	90	M	M	5	1	25	80
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20	85	76	81	3	0	16	0.38	0.0	0	14.8	28	70	M	M	7	18	35	70
21	85	76	81	3	0	16	0.11	0.0	0	12.9	26	60	M	M	6		33	70
22	85	75	80	2	0	15	0.21	0.0	0	14.8	25	70	M	M	5	18	38	90
23	85	76	81	3	0	16	0.23	0.0	0	13.9	31	80	M	M	5	138	38	70
24	86	73	80	2	0	15	0.72	0.0	0	2.7	22	70	M	M	6	1	29	70
25	88	71	80	2	0	15	0.00	0.0	0	3.4	10	160	M	M	4		15	150
26	87	73	80	2	0	15	T	0.0	0	6.3	20	90	M	M	2		24	90
27	86	77	82	4	0	17	T	0.0	0	6.2	20	70	M	M	3		26	70
28	86	77	82	4	0	17	0.02	0.0	0	6.1	17	70	M	M	5		22	60
29	87	76	82	4	0	17	0.14	0.0	0	7.3	21	70	M	M	5	1	26	100
30	85	75	80	2	0	15	0.01	0.0	0	10.5	25	80	M	M	4	1	30	80
31	86	77	82	4	0	17	0.02	0.0	0	11.2	21	80	M	M	4	18	26	40
SM	2647	2325			0	480	7.62	0.0		270.2				M		147		
AV	85.4	75.0								8.7	FASTST		M	M	5		MAX(MPH)	
									MISC - -->	# 31	80						# 38	90

NOTES:
LAST OF SEVERAL OCCURRENCES

COLUMN 17 PEAK WIND IN M.P.H.

PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6) , PAGE 2

STATION: SAN JUAN/P.R.
MONTH: DECEMBER
YEAR: 2013
LATITUDE: 18 25 N
LONGITUDE: 66 0 W

[TEMPERATURE DATA]

AVERAGE MONTHLY: 80.2
DPTR FM NORMAL: 1.5
HIGHEST: 88 ON 25
LOWEST: 70 ON 2

[PRECIPITATION DATA]

TOTAL FOR MONTH: 7.62
DPTR FM NORMAL: 2.60
GRTST 24HR 3.50 ON 30- 1

SNOW, ICE PELLETS, HAIL
TOTAL MONTH: 0.0 INCH
GRTST 24HR 0.0
GRTST DEPTH: 0

SYMBOLS USED IN COLUMN 16

1 - FOG OR MIST
2 - FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS
3 - THUNDER
4 - ICE PELLETS
5 - HAIL
6 - FREEZING RAIN OR DRIZZLE
7 - DUSTSTORM OR SANDSTORM: VSBY 1/2 MILE OR LESS
8 - SMOKE OR HAZE
9 - BLOWING SNOW
X - TORNADO

[NO. OF DAYS WITH]

MAX 32 OR BELOW: 0
MAX 90 OR ABOVE: 0
MIN 32 OR BELOW: 0
MIN 0 OR BELOW: 0

[WEATHER DAYS WITH]

0.01 INCH OR MORE: 24
0.10 INCH OR MORE: 14
0.50 INCH OR MORE: 4
1.00 INCH OR MORE: 2

[HDD (BASE 65)]
TOTAL THIS MO. 0
DPTR FM NORMAL 0
TOTAL FM JUL 1 0
DPTR FM NORMAL 0

CLEAR (SCALE 0-3) 2
PTCLDY (SCALE 4-7) 29
CLOUDY (SCALE 8-10) 0

```
[CDD (BASE 65) ]
TOTAL THIS MO.    480
DPTR FM NORMAL     57     [PRESSURE DATA]
DPTR FM NORMAL    188     LOWEST  SLP 29.83 ON  2

[REMARKS]
#FINAL-12-13#
```

Attachment 3

ATTACHMENT 3 – PR-845 and Quebrada Del Ausubo

Attachment 4 – PR-845
Wastewater Discharge Email
12-20-13

Rivera, Alex

From: Rivera, Alex
Sent: Friday, December 20, 2013 6:52 PM
To: Yanira.COSME@acueductospr.com; Christie.MOTA@acueductospr.com; Javier.ROBLES@acueductospr.com; Juan.COTTO@acueductospr.com; Hector.CEPEDA@acueductospr.com; Myrna.TORRES@acueductospr.com; Celedonio.DELGADO@acueductospr.com
Cc: Geliga, Jaime; Lantner, Murray; Roberto.MARTINEZ@acueductospr.com; Javier.RIVERA@acueductospr.com; Emma.BLANCO@acueductospr.com; William.DIAZ@acueductospr.com; Irma.LOPEZ@acueductospr.com; aavila@SanJuanCiudadPatria.com; MMATOS01@SanJuanCiudadPatria.com; 'Ernesto Olivares'; Justo Rivera
Subject: Descarga aguas usadas Calle San Claudio (PR-845) cercano a Correo Cupey
Attachments: DSCN6179C.jpg; DSCN6180C.jpg; DSCN6193C.jpg; DSCN6194C.jpg; DSCN6195C.jpg; DSCN6197C.jpg; DSCN6198C.jpg; DSCN6199C.jpg; DSCN6200C.jpg

Saludos:

Durante la mañana de hoy descubrimos una descarga de aguas usadas alcanzando la Quebrada Ausubo en el área cercana a las oficinas de Zee Medical Services y el Correo de Cupey, ambos en la PR-845 (San Claudio). En el pasado se había identificado y reportado la presencia de este tubo que aparentaba estar sirviendo como aliviadero al sistema sanitario. En aquel entonces se entendió que se trataba de un aliviadero proveniente de la intersección con la Calle 1 y la PR-845, el cual fue sellado según la AAA. Sin embargo, en las últimas ocasiones aunque no se identificaba la descarga si se observaban residuos de papel y otros sólidos relacionados a aguas usadas. Al pasar por el área nos percatamos de la descarga y procedimos a realizar una prueba de tinte, la cual reveló que la descarga y la conexión ilegal proviene de el manhole localizado en la entrada del estacionamiento de Zee Medical Services (ver mapa). La situación fue informada de inmediato a la Ing. Yanira Cosme. Para más detalles refiéranse a las fotos añadidas.

Necesitamos que esta situación se atienda y corrija de inmediato y que se nos comunique los detalles y resultados de las gestiones a realizarse.

Gracias;

Alex

Correc
Medical
Services

Attachment 5 – Broken water line east on Marina Street Old San Juan Email

Rivera, Alex

From: Roberto.MARTINEZ@acueductospr.com
Sent: Monday, December 23, 2013 11:52 AM
To: Rivera, Alex
Cc: Christie.MOTA@acueductospr.com; Geliga, Jaime; Lantner, Murray; Yanira.COSME@acueductospr.com
Subject: Re: Broken Water Line East on Calle Marina, east of Calle Muelle, Olds San Juan

Saludos Alex y felicidades.
El salidero fue reparado el sábado, y la carretera fue asfaltada hoy.

From: "Rivera, Alex" <Rivera.Alex@epa.gov>
To: "Yanira.COSME@acueductospr.com" <Yanira.COSME@acueductospr.com>, "Christie.MOTA@acueductospr.com" <Christie.MOTA@acueductospr.com>,
Cc: "Lantner, Murray" <Lantner.Murray@epa.gov>, "Roberto.MARTINEZ@acueductospr.com" <Roberto.MARTINEZ@acueductospr.com>, "Geliga, Jaime" <Geliga.Jaime@epa.gov>
Date: 12/20/2013 08:06 AM
Subject: Broken Water Line East on Calle Marina, east of Calle Muelle, Olds San Juan

---

Saludos Yanira:

Me informó Murray Lantner de EPA sobre lo siguiente:

Alex, when I was driving home tonight there was flow coming up out of the street on Calle Marina East of Calle Muelle (across the street from Quiznos Subs in the Capitol Plaza shopping center). It looked like a broken water line, but didn't get out to check. I called the PRASA customer service number that is on the web site and when I went to report a broken sewer line it hung up on me twice.

Aunque por donde está localizado es muy probable que ya lo hayan informado, se lo hago saber para que lo investiguen.

Gracias;

Alex

-----Original Message-----
From: murray lantner [mailto:mlantner@gmail.com]
Sent: Thursday, December 19, 2013 10:34 PM

To: Rivera, Alex
Subject: Google Earth Placemark: Broken Water Line East on Calle Marina, east of Calle Muelle, Olds San Juan.kmz

Alex, when I was driving home tonight there was flow coming up out of the street on Calle Marina East of Calle Muelle (across the street from Quiznos Subs in the Capitol Plaza shopping center). It looked like a broken water line, but didn't get out to check. I called the PRASA customer service number that is on the web site and when I went to report a broken sewer line it hung up on me twice.

****
This message is for the designated recipient only and may contain privileged, proprietary, or otherwise private information.
If you have received it in error, please notify the sender immediately and delete the original.
Any other use of the email by you is prohibited.
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Este mensaje es para el o los destinatario(s) exclusivamente. Puede contener información que es privilegiada, propietaria o privada.
Si ha recibido en error este mensaje, favor de notificar al remitente inmediatamente y elimine el mensaje original.
Cualquier otro uso de este mensaje por su parte queda totalmente prohibido.
****

Attachment 6 – Wastewater discharge at Crown Hills Res. Development Jájome Street Email

Rivera, Alex

From: Rivera, Alex
Sent: Friday, December 20, 2013 7:21 PM
To: Yanira.COSME@acueductospr.com; Christie.MOTA@acueductospr.com; Javier.ROBLES@acueductospr.com; Juan.COTTO@acueductospr.com; Celedonio.DELGADO@acueductospr.com; Myrna.TORRES@acueductospr.com; Hector.CEPEDA@acueductospr.com
Cc: Geliga, Jaime; Emma.BLANCO@acueductospr.com; William.DIAZ@acueductospr.com; Roberto.MARTINEZ@acueductospr.com; Javier.RIVERA@acueductospr.com; Irma.LOPEZ@acueductospr.com; Lantner, Murray; Justo Rivera; MMATOS01 @SanJuanCiudadPatria.com; aavila@SanJuanCiudadPatria.com; 'Ernesto Olivares'
Subject: Descarga sanitaria Urb. Crown Hills Calle Jajome Res. # 1779 y #1781

Saludos:

Durante el día de hoy visitamos la Urb. Crown Hills (cercano al Señorial), específicamente la Calle Jájome donde se nos informó sobre una aparente descarga sanitaria alcanzando el sistema pluvial y al Río Piedras. La Sra. Irma Rullán (787-460-5306) residente en la Calle Jájome #1779 nos informó que la línea sanitaria que recorre por la Calle Jájome se encuentra rota y que las aguas usadas ganan acceso al sistema pluvial.

Al realizar la visita pudimos corroborar que el sistema pluvial sí está siendo afectado por presencia de aguas usadas. Se realizó una prueba para amonia en la alcantarilla pluvial entre las residencias #1779 y la #1781 y se obtuvieron niveles de entre 3 a 6 mg/l de amonia. Adicional a los niveles de amonia indicativos de presencia de aguas usadas también se pudo apreciar olor y color típicos de aguas usadas. Debido a la gran cantidad de flujo en la línea no fue posible realizar una prueba de tinte.

La Sra. Rullán y los vecinos presentes nos indicaron que en el pasado la AAA ha impactado y trabajado en el área debido a problemas estructurales con la línea sanitaria que ocasionaban problemas similares al que pudimos evidenciar hoy.

En adición, el Sr. Justo E. Rivera (787-568-8404), ayudante especial del representante José L. Baez nos trajo y corroboró la situación. El Sr. Rivera nos indicó que su oficina ha realizado diversas gestiones en el pasado relacionado a este caso.

Agradeceremos que tanto el Municipio como la AAA atiendan e investiguen este caso, pues es evidente que hay una situación que debe ser corregida. De ser necesario coordinar una visita al lugar me dejan saber. Favor de mantenernos informados sobre las gestiones a realizarse.

Gracias;

Alex

Attachment 7 – Citizen Complaint Crown Hills, Jájome Street EPA May 20, 2014 Email to PRASA

Rivera, Alex

From: Rivera, Alex
Sent: Tuesday, May 20, 2014 2:10 PM
To: Emma.BLANCO@acueductospr.com; William.DIAZ@acueductospr.com; Hector.CEPEDA@acueductospr.com; Christie.MOTA@acueductospr.com; Javier.ROBLES@acueductospr.com; Yanira.COSME@acueductospr.com
Cc: Geliga, Jaime; aavila@SanJuanCiudadPatria.com; MMATOS01 @SanJuanCiudadPatria.com; norosa@SanJuanCiudadPatria.com; Lantner, Murray; MayPEREZ@SanJuanCiudadPatria.com; Maldonado, Cristina
Subject: FW: Querella Calle Jajome, Crown Hills

Saludos:

Nos informan que aún se están percibiendo olores desde el sistema pluvial en la Calle Jájome de Crown Hills, esta vez frente a la residencia #1800, residencia de la familia Mejías (787-751-5212). Este caso es antes del que se trabajó recientemente, este caso está más cerca de la Winston Churchill. Es necesario visitar el área y corroborar que no sea una situación similar a la que estuvo ocurriendo. Agradeceremos que se nos dejé saber el estatus del caso.

Gracias;

Alex

From: Maldonado, Cristina
Sent: Tuesday, May 20, 2014 8:20 AM
To: Rivera, Alex
Subject: Querella Calle Jajome, Crown Hills

Siguen las pestes al final de la calle :S !! Por lo menos es sólo allí, antes era en toda la calle, aunque allí era uno de los peores lugares. La dirección es #1800 Calle Jajome, Fam. Mejias 787-751-5212. En lo que puedas ayudar, te lo voy a agradecer mucho!!

Cristina I. Maldonado
Environmental Scientist
Caribbean Environmental Protection Division
U.S. Environmental Protection Agency, Region 2
City View Plaza II, Suite 7000
Guaynabo, PR 00968-8069
Tel. 787-977-5835
Fax: 787-729-7748
maldonado.cristina@epa.gov

Attachment 8 – Wastewater overflows at El Paraíso Residential Development

Rivera, Alex

From:	Rivera, Alex
Sent:	Tuesday, April 01, 2014 5:36 PM
To:	yanira.cosme@acueductospr.com; Christie.MOTA@acueductospr.com; Hector.CEPEDA@acueductospr.com; Myrna.TORRES@acueductospr.com; Javier.ROBLES@acueductospr.com
Cc:	Emma.BLANCO@acueductospr.com; Juan.PEREZ@acueductospr.com; Irma.LOPEZ@acueductospr.com; Francisco.MARTINEZ@acueductospr.com; Alix.GOMEZ@acueductospr.com; javier.rivera.williams@acueductospr.com; roberto.martinez@acueductospr.com; Lantner, Murray; Ernesto Olivares; MMATOS01 @SanJuanCiudadPatria.com; aavila@SanJuanCiudadPatria.com; norosa@SanJuanCiudadPatria.com; Geliga, Jaime; Patricia.McKenna@USDOJ.GOV
Subject:	Wastewater Overflows at El Paraíso Residential Development Támesis and Rodano Streets
Attachments:	El Paraíso Residential Development SSO's.pptx

Hi to all:

Today we conduct a follow-up inspection (dry-weather) at El Paraíso Residential Development and once again we found sanitary sewer overflows (SSOs) occurring at Támesis and Rodano Streets. Both SSO's hotspots had been informed to PRASA several times, the most recent notification came from the Department of Justice through a letter dated February 13, 2014. But we had been frequently referring this issue to PRASA since June 5, 2012. We need PRASA to send us a definitive action plan to address these frequent SSOs which are violations to the Clean Water Act. Also please let us know about the status and details of the efforts that PRASA is going to take to address the latest (today's) SSO issue at this location. Enclosed are the photos taken during today's inspection.

Thanks;

Alex Rivera
USEPA-CEPD
787-977-5845

Attachment 9 – El Paraíso Residential Development SSO's Photos

El Paraíso Residential Development SSO's

4-1-14

Támesis Street SSO

El Paraíso Residential Development

4-1-14

DSCN7267

Wastewater reaches the storm water collection catch basin at Amazonas Street

Támesis Street SSO

El Paraíso Residential Development

4-1-14

DSCN7269

Wastewater reaches the storm water collection catch basin at Amazonas Street

Amazonas Street Storm water catch basin

El Paraíso Residential Development

4-1-14

DSCN7270

The storm water collection system catch basin at the end Amazonas Street was found heavily impacted by wastewater accumulation

Amazonas Street Storm water collection curb

El Paraíso Residential Development

4-1-14

DSCN7273

The storm water collection system curb was found with significant amount of wastewater flow during dry-weather.

Támesis Street SSO

El Paraíso Residential Development

4-1-14

DSCN7274

Wastewater reaches the storm water collection catch basin at Amazonas Street

Rodano Street SSO

El Paraíso Residential Development

4-1-14

DSCN7277

Wastewater reaches the storm water collection catch basin at Amazonas Street

Rodano Street SSO

El Paraíso Residential Development

4-1-14

DSCN7279

Wastewater reaches the storm water collection catch basin at Amazonas Street