MONTHLY CLIMATOLOGICAL SUMMARY for FEB. 2018

NAME: AESPR-02 CITY: STATE:
ELEV: 276 ft LAT: 17° 36' 00" N LONG: 66° 48' 00" W

TEMPERATURE (°F), RAIN (in), WIND SPEED (mph)

DAY	MEAN TEMP	HIGH	TIME	LOW	TIME	HEAT DEG DAYS	COOL DEG DAYS	RAIN	AVG WIND SPEED	HIGH	TIME	DOM DIR	
1	77.2	83.6	1:30p	73.5	12:00m	0.0	12.2	0.00	6.1	23.0	1:30p	SSW	
2	77.7	86.2	1:30p	72.6	7:00a	0.0	12.7	0.00	6.8	25.0	5:30p	SSW	
3	77.7	86.8	2:00p	72.2	2:00a	0.0	12.7	0.00	4.3	25.0	4:00p	SSW	
4	77.1	84.3	2:30p	72.8	3:00a	0.0	12.1	0.00	5.8	25.0	11:30a	SSW	
5	78.9	85.3	12:00p	72.6	1:00a	0.0	13.9	0.00	8.1	24.0	11:00a	SSW	
6	78.9	86.3	2:00p	74.0	11:00p	0.0	13.9	0.00	6.5	26.0	1:00p	SSW	
7	78.8	87.7	1:30p	73.8	6:30a	0.0	13.8	0.00	5.5	26.0	2:00p	SSW	
8	77.7	84.9	11:30a	72.0	2:30a	0.0	12.7	0.16	5.9	27.0	11:00a	SSW	no discharge
9	77.6	84.8	1:00p	73.2	4:30a	0.0	12.6	0.04	6.2	32.0	1:00p	SSW	
10	77.6	84.0	11:30a	74.6	3:30a	0.0	12.6	0.05	7.6	36.0	2:00p	SSW	
11	77.4	85.7	12:30p	72.3	8:30a	0.0	12.4	0.06	7.4	32.0	1:00p	SSW	
12	76.1	84.9	1:00p	70.7	2:00a	0.0	11.1	0.19	6.9	30.0	12:00p	SSW	.15
13	78.1	86.5	2:30p	73.4	7:00a	0.0	13.1	0.00	6.8	30.0	10:30a	SSW	4:00 pM
14	76.8	86.5	1:00p	72.9	12:00m	0.0	11.8	0.02	5.5	28.0	1:30p	SSW	
15	77.9	87.0	12:00p	72.5	6:30a	0.0	12.9	0.00	4.5	24.0	3:00p	SSW	001
16	77.6	85.2	12:30p	72.5	2:30a	0.0	12.6	0.01	2.7	23.0	12:30p	SSW	
17	77.6	86.9	2:00p	73.0	5:30a	0.0	12.6	0.01	2.4	24.0	11:30a	SSW	
18	77.2	84.0	11:30a	70.2	8:00a	0.0	12.2	0.10	3.3	27.0	12:00p	SSW	
19	78.0	86.9	2:00p	72.9	6:30a	0.0	13.0	0.00	5.1	31.0	1:00p	SSW	
20	77.3	88.4	1:30p	71.8	5:30a	0.0	12.3	0.04	3.4	29.0	8:00p	SSW	
21	75.3	83.7	1:30p	71.2	12:30a	0.0	10.3	0.18	2.8	32.0	11:00a	SSW	no discharge
22	77.3	85.0	1:00p	72.5	12:00m	0.0	12.3	0.00	3.6	26.0	11:30a	SSW	
23	77.4	85.1	2:30p	72.5	4:30a	0.0	12.4	0.00	3.0	26.0	2:00p	SSW	
24	77.2	86.1	1:00p	71.5	6:00a	0.0	12.2	0.00	2.9	24.0	12:00p	SSW	
25	77.0	85.8	1:00p	71.5	6:30a	0.0	12.0	0.00	3.1	25.0	1:30p	SSW	
26	77.3	85.5	1:00p	71.3	7:00a	0.0	12.3	0.00	2.3	25.0	2:30p	SSW	.18 5:30 pm
27	77.1	83.3	2:30p	71.6	6:00a	0.0	12.1	0.00	2.3	21.0	3:00p	SSW	
28	74.9	82.3	11:30a	69.5	12:00m	0.0	9.9	0.25	1.5	22.0	12:00p	SSW	001
	77.4	88.4	20	69.5	28	0.0	346.7	1.11	4.7	36.0	10	SSW	discharge

Max >= 90.0: 0
Max <= 32.0: 0
Min <= 32.0: 0
Min <= 0.0: 0
Max Rain: 0.25 ON 02/28/18
Days of Rain: 10 (>.01 in) 4 (>.1 in) 0 (>1 in)
Heat Base: 65.0 Cool Base: 65.0 Method: Integration

MONTHLY CLIMATOLOGICAL SUMMARY for MAR. 2018

NAME: AESPR-02 CITY: STATE:
ELEV: 276 ft LAT: 17° 36' 00" N LONG: 66° 48' 00" W

TEMPERATURE (°F), RAIN (in), WIND SPEED (mph)

DAY	MEAN TEMP	HIGH	TIME	LOW	TIME	HEAT DEG DAYS	COOL DEG DAYS	RAIN	AVG WIND SPEED	HIGH	TIME	DOM DIR
1	76.3	85.3	11:30a	68.9	5:00a	0.0	11.3	0.01	1.9	23.0	1:00p	SSW
2	76.6	82.8	12:00p	69.7	5:30a	0.0	11.6	0.00	1.0	19.0	11:00a	SSW
3	76.5	83.7	2:30p	69.1	6:30a	0.0	11.5	0.00	0.5	16.0	1:00p	WNW
4	74.5	86.0	11:00a	67.5	5:00a	0.0	9.5	0.00	0.0	10.0	9:00a	NNE
5	77.3	85.6	2:30p	71.2	4:30a	0.0	12.3	0.00	0.1	11.0	11:00a	NW
6	76.9	85.0	10:00a	72.7	10:00p	0.0	11.9	0.00	2.3	26.0	1:30p	SSW
7	76.8	84.4	11:30a	70.7	5:00a	0.0	11.8	0.00	3.5	27.0	2:00p	SSW
8	78.8	84.9	1:30p	73.6	7:00a	0.0	13.8	0.00	1.8	21.0	11:00a	SSW
9	79.7	85.9	2:00p	75.2	5:00a	0.0	14.7	0.00	1.9	20.0	10:00a	SSW
10	79.9	86.0	2:00p	75.4	4:30a	0.0	14.9	0.00	5.4	26.0	11:30a	SSW
11	80.2	86.0	1:00p	76.3	6:30a	0.0	15.2	0.00	7.6	26.0	9:30a	SSW
12	80.0	85.2	2:00p	76.1	4:00a	0.0	14.7	0.00	6.6	25.0	11:00a	SSW
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												
	77.8	86.0	4	67.5	4	0.0	153.2	0.01	2.7	27.0	7	SSW

No discharge during March 2018.

Max >= 90.0: 0
Max <= 32.0: 0
Min <= 32.0: 0
Min <= 0.0: 0
Max Rain: 0.01 ON 03/01/18
Days of Rain: 0 (>.01 in) 0 (>.1 in) 0 (>1 in)
Heat Base: 65.0 Cool Base: 65.0 Method: Integration

MONTHLY CLIMATOLOGICAL SUMMARY for JAN. 2018

NAME: AESPR-02 CITY: STATE:
ELEV: 276 ft LAT: 17° 36' 00" N LONG: 66° 48' 00" W

TEMPERATURE (°F), RAIN (in), WIND SPEED (mph)

DAY	MEAN TEMP	HIGH	TIME	LOW	TIME	HEAT DEG DAYS	COOL DEG DAYS	RAIN	AVG WIND SPEED	HIGH	TIME	DOM DIR	
1	78.9	86.7	2:00p	74.8	12:00m	0.0	13.9	0.00	7.9	26.0	4:00p	SSW	
2	77.3	84.7	11:30a	72.3	7:00a	0.0	12.3	0.00	5.7	21.0	3:00p	SSW	
3	78.8	84.7	11:30a	72.6	2:30a	0.0	13.8	0.00	4.6	18.0	12:00m	SSW	
4	79.6	85.3	12:30p	74.2	6:30a	0.0	14.6	0.00	4.8	18.0	11:30a	SSW	
5	78.8	86.4	11:00a	72.2	6:30a	0.0	13.8	0.00	5.1	24.0	1:30p	SSW	
6	79.0	85.4	12:00p	72.9	11:30p	0.0	14.0	0.00	7.1	24.0	11:00a	SSW	
7	78.3	84.7	2:00p	71.0	2:00a	0.0	13.3	0.41✓	7.7	26.0	12:00p	SSW	1:00 AM
8	78.9	84.5	3:30p	75.0	7:00a	0.0	13.9	0.14	7.5	31.0	8:00a	SSW	
9	77.4	85.2	2:00p	71.6	4:30a	0.0	12.4	0.18	6.9	24.0	12:00p	SSW	
10	78.3	84.8	3:00p	74.4	3:00a	0.0	13.3	0.09	6.1	25.0	10:30a	SSW	
11	78.2	84.6	1:30p	73.3	1:30a	0.0	13.2	0.31	9.2	37.0	10:30a	SSW	
12	78.8	84.8	12:00p	75.2	7:00a	0.0	13.8	0.05	8.0	31.0	10:30a	SSW	
13	78.2	85.7	1:30p	72.7	4:00a	0.0	13.2	0.51	6.3	29.0	4:00a	SSW	
14	78.4	83.7	10:30a	74.5	6:30a	0.0	13.4	0.09	6.5	26.0	12:30p	SSW	
15	78.7	85.9	1:00p	74.0	7:00a	0.0	13.7	0.00	6.4	22.0	3:30p	SSW	
16	79.1	86.8	11:30a	74.8	1:00a	0.0	14.1	0.04	7.6	25.0	2:30p	SSW	
17	78.6	85.8	11:30a	74.2	6:30a	0.0	13.6	0.00	6.5	24.0	3:30p	SSW	
18	78.4	84.8	1:00p	72.9	5:00a	0.0	13.4	0.00	4.5	22.0	2:30p	SSW	
19	78.7	85.6	1:30p	72.9	4:00a	0.0	13.6	0.00	5.5	23.0	4:30p	SSW	
20	78.6	85.0	12:30p	74.4	6:30a	0.0	13.6	0.00	7.1	24.0	1:30p	SSW	
21	78.7	84.9	11:30a	74.4	6:30a	0.0	13.7	0.00	7.8	24.0	10:30a	SSW	
22	78.6	85.3	12:00p	73.9	7:30a	0.0	13.6	0.04	8.2	25.0	2:00p	SSW	
23	78.2	85.8	11:30a	71.9	4:30a	0.0	13.2	0.03	5.8	26.0	12:30p	SSW	
24	78.7	85.1	11:30a	74.1	7:00a	0.0	13.7	0.00	7.0	25.0	2:00p	SSW	
25	77.9	83.4	2:30p	73.5	5:00a	0.0	12.9	0.08	5.4	22.0	3:00p	SSW	
26	77.9	87.1	12:30p	70.5	7:00a	0.0	12.9	0.01	5.4	25.0	2:30p	SSW	
27	77.9	86.2	1:00p	74.2	6:30a	0.0	12.9	0.03	9.4	28.0	2:00p	SSW	
28	76.7	85.5	2:00p	73.0	5:00a	0.0	11.7	0.15✓	9.7	28.0	10:30a	SSW	No discharge
29	76.2	84.4	12:30p	70.3	4:30a	0.0	11.2	0.08	9.8	26.0	4:00a	SSW	
30	77.5	85.2	1:30p	73.3	12:30a	0.0	12.5	0.00	7.5	22.0	2:00p	SSW	
31	77.0	85.4	12:00p	71.0	9:30p	0.0	12.0	0.00	5.2	26.0	2:30p	SSW	
	78.3	87.1	26	70.3	29	0.0	411.2	2.24	6.8	37.0	11	SSW	

Max >= 90.0: 0
Max <= 32.0: 0
Min <= 32.0: 0
Min <= 0.0: 0
Max Rain: 0.51 ON 01/13/18
Days of Rain: 15 (>.01 in) 6 (>.1 in) 0 (>1 in)
Heat Base: 65.0 Cool Base: 65.0 Method: Integration

MSGP 2017 Annual Report

A. Summary of past year 2017 Routine Inspections

Four quarterly routine facility inspections were conducted and documented by the Storm Water Environmental Coordinator on past year 2017. The first inspection was completed on March 14, 2017. Plant storm water control measures were observed to be in good condition and operating effectively. Sediment tracking from the south public dirty road into the plant entrance has been observed and potentially affecting the storm water quality of outfall 002 drainage area. An evaluation of outfall 002 storm water system was initiated to evaluate the potential reduction of benchmark parameters concentrations measured at the mentioned discharge point.

The second inspection was performed on May 30, 2017. Replacement of storm water protection inlet filter bags and storm water channel cleaning activities were documented in this inspection report. A storm water diversion berm was installed on April 2017 and documented as part of the corrective actions completed during this quarter. Most of the plant's BMP were observed and documented to be in good operating conditions.

On the third inspection completed on August 11, 2017 several storm water control maintenance activities and corrective actions were identified and documented. The Agremax stockpile 10 feet buffer zone affected by previous heavy rain was repaired and placed in good condition. Also, the storm water concrete channel around the Agremax storage area was cleaned. Another corrective action observed during this third quarter inspection includes; replacement of drain guard inlet filters installed on grating at gate #3 and gravel installation activities at different areas. An EPA MSGP compliance inspection was performed on July 21, 2017. Corrective actions identified in this compliance inspection were completed and are summarized in this report.

The fourth routine inspection was conducted on November 13, 2017. One of the main objective of this inspection was to evaluate the effects of hurricane Maria on storm water structural control measures around plant. Hurricane Maria impacted the island of Puerto Rico as a major hurricane on September 2017. Several plant areas were affected by this hurricane, but most of plant structural control measures are made of reinforced concrete and resisted the heavy winds and rain produced. However, few control measures were identified to be affected by the atmospheric system, including the silt fence around coal pile storage area and the storm water automatic samplers. All other control measures were observed to be in good condition and operating effectively.

B. Summary of past year 2017 Visual Assessment

Quarterly visual assessments were performed from the three sampling points (001, 002, 003) identified in the facility. Four storm water visual assessments were completed from sampling point #001 located at the dock area. Results from these inspections showed no evidence of presence of solids or any other material in the discharged water at this point. Four visual assessments were performed on storm water samples obtained from sampling point #002. On the first quarter sample, visual assessment showed a cloudy color in the storm water discharge. As explained above, tracking of sediments from the south public dirty road was identified to be affecting storm water quality at sampling point 002 drainage area. From these assessments, corrective actions were coordinated immediately and completed in an adequate time frame. Evaluated parameters from visual assessment at point 002 completed on the third and fourth quarter showed that BMP have been working effectively and no indications of pollutants were observed. No indications of the presence of pollutants were observed from the four visual assessments performed during past year 2017 at sampling point #003.

C. Summary of past year 2017 Corrective Actions

Corrective actions were completed during past year 2017 on the first, third and fourth quarter. No needed corrective actions were identified on the second quarter. Impact of hurricane Maria generates a delay on corrective action activities for the fourth quarter. As mentioned, this includes replacement of the silt fence around the coal pile area and fixing the storm water automatic samplers.
The following is a summary of the corrective actions completed and documented from past year 2017.

First Quarter:

1. Grating protection filter bags installed close to gate #3 were replaced and included as a plant stock item.
2. Diversion of storm water from the heavy truck entrance road was completed.

Third Quarter:

1. A diversion berm extension was installed at gate #3 truck entrance.
2. Vegetative material was removed from the storm water retention pond.
3. New silt fence was installed at the north side of the coal pile storage area.
4. Three additional water sprinklers on the Agremax pile were installed and placed in service.
5. Gravel material was installed at the cooling tower perimeter.

Since no incidents of noncompliance occurred during past year 2017 and all corrective actions were completed in an adequate time frame, it is concluded that AES Puerto Rico follows all terms and requirements of the MSGP 2015 permit.

MSGP 2016 Annual Report

A. Summary of past year 2016 Routine Inspections

Four quarterly routine facility inspections were performed by the Storm Water Environmental Coordinator on past year 2016. Minor findings were identified on the first routine inspection completed on February 22, 2016. An open area west of the cooling towers and other uncovered areas that should be covered with gravel were identified and reported to provide corrective actions. During this inspection it was identified that the storm water sampling equipment required technical corrections. Troubleshooting and technical support was requested to an external company in order to ensure proper functioning of the sampling equipment. Most of the plant's BMP were observed and documented to be in good operating conditions during this first inspection. The second inspection was performed on May 26, 2016. In this inspection a water leakage from a joint segment of the ash wetting pipe located inside secondary containment was observed and reported to the maintenance department. A work notification was generated in order to perform the pipe reparation immediately. Corrective actions were verified and documented during this inspection. The rip rap located at Gate #3 was restored with new stone and a new liner was installed on the improved area. On the third inspection completed on August 25, 2016 several corrective actions were identified and documented. The oil drums storage area was cleaned and organized. Also, used oil and other oil drums were properly removed by a certified company for recycling. Another corrective action observed during this third quarter inspection includes cleaning and replacement of some of the drain guards inlet filters installed on grating at gate #3. The storm water sampling equipment were also tested and programed for proper functioning. The fourth routine inspection was performed on November 15, 2016 in the morning period. From this inspection it was checked that a damage segment of the super silt fence was replaced. This corrective action was coordinated and completed in an adequate time frame. All other plant BMP were observed to be working properly and no other changes or modifications were reported.

B. Summary of past year 2016 Visual Assessment

Quarterly visual assessments were performed from the three sampling points (001, 002, 003) identified in the facility. Three storm water visual assessments were completed from sampling point #001 located at the dock area. Results from all visual inspections completed from this point showed no evidence of presence of solids or any other material in the discharged water. Four visual assessments were performed on storm water samples obtained from sampling point #002. On the first two quarter samples, visual assessment indicated the presence of settled and suspended solids in the discharged storm water. An uncovered area with erosion potential was identified at sampling point 002 drainage area. From these assessments, corrective actions were coordinated immediately and completed in an adequate time frame. Evaluated parameters from visual assessment at point 002 completed on the third and fourth quarter showed that BMP have been working effectively and no indications of pollutants were observed. No indications of the presence of pollutants were observed from the four visual assessment performed during past year 2016 at sampling point #003.

C. Summary of past year 2016 Corrective Actions

The following is a summary of the corrective actions completed and documented on past year 2016.

First Quarter:

1. A concrete berm was installed in order to segregate the sludge containment area.
2. The sagging pier pipe was repaired.
3. Road between the coal pile and mechanical shop was refilled with aggregate stone.
4. Rip rap located south of the AGREMAX pile was repaired and improve to control soil erosion.
5. Traffic road located south of the AGREMAX storage pile and the swale located at the east side of plant was covered with aggregate.

Second Quarter:

1. The rip rap located at the south side of the facility (Gate #3) was cleaned and improved.
2. Wheel washer and limestone dome exit road was improved with asphalt.
3. The automatic sampler "sunkeeper" and water sensor cable were replaced.

Third Quarter:

1. Cooling tower plastic media stored in a non-industrial activity area was removed in order to discourage unauthorized industrial activities in that area.
2. The mobile sweeper's tire was replaced on the same date that the condition was identified.
3. A section of the coal storage area located at the west of the limestone dome was organized and cleaned.
4. An inlet protection filter was installed on the storm water inlet located close to the 100-year channel.
5. A segment of the super silt fence used to protect the coal pile runoff collection channel was replaced.

Fourth Quarter:

1. A water leakage from the cooling tower circulating piping system used for power unit two was identified. The water has been recirculated back into the cooling tower basin using two submersible pumps and no process water was discharged.
2. Felt filter bags were installed in all storm water inlets at the dock area. Filtration felt is a low cost disposable media with particle retention from 1 to 200 microns. It has depth filtration qualities and high solids loading capacity.

Since no incidents of noncompliance occurred during past year 2016 and all corrective actions were performed in an adequate time frame, it was concluded that AES Puerto Rico is in compliance with all terms and requirements of the MSGP 2015 permit.

Attendance Sheet

Activity: EPA SWPPP Inspection Closing Meeting
Date/Time: 7/17/18 11:15am
Presented by/Team:
Imparted to/Team:

AES Puerto Rico

Name	Company	Signature
Eitel Figueroa planning leader	AES P.R.	
Héctor M. Avila Senior Env Coordinator	AES PR	
Elías Sastre, Operations Manager	AES	
Carlos Gonzalez CCP Leader	AES-P.R	
Rafael Quintana Maintenance Manager	AES	
José A. Rivera	EPA	
WINSTON R. ESTRADA	CONSULTOR	
Pedro E. Labayen SW Coordinator	AES	
Carlos Alegría Maintenance Leader	AES	

AES Puerto Rico
AON MEJORES PATRONOS
2017

Other Team members:

1. Henrick Roman – Shared Services Supervisor
2. Carlos Alequin – Maintenance Team Leader
3. Marco Aresti – Operations Team Leader

The Team will be responsible for the development and implementation of this Plan. Other key responsibilities are:

1. Implementing all MSGP and SWPPP requirements.
2. Defining and agreeing upon an appropriate set of goals for the facility's storm water management program.
3. Periodically update the SWPPP, whenever there is a change in the process design, construction, operation or maintenance of equipment and physical plant, which may have an effect on the potential for the discharge of pollutants to the environment.

POLLUTION PREVENTION TEAM MEMBERS	Worksheet No.1 Date: March 2017

Leader: Hector Avila Title: Environmental Coordinator

Office Phone: 787-866-8117 ext. 2266

Responsibilities: Storm Water Pollution Prevention and Spill Prevention Control and Countermeasures Plan Administrator. Responsible for all environmental aspects of this plan. Coordinate the development and implementation of this plan. Arrange plant wide training related to this plan, keep necessary records and reports. Ensure the facilities Structural and Non – Structural Best Management Practices (BMP's) are implemented.

Members:

(1) Pedro E. Labayen Title: Storm Water Compliance Coordinator

Office Phone: 787-866-8117 ext. 2215

Responsibilities: (i) overseeing the preparation, amendment, and certification of the SWPPP; (ii) providing and/or coordinating applicable environmental training to the Facility's personnel; (iii)conducting quarterly and routine inspections; (iv) assisting employees and/or contractors with the installation, maintenance and improvements of non-structural and structural BMP's (v) conducting comprehensive site inspections; (vi) determining if appropriate actions have been timely made to address compliance violations or to make improvements to BMP's; (vii) coordinating the pick-up and analysis of storm water samples; (viii) monitoring compliance with this Order; and (ix) preparing and submitting Reports to EPA.

(2) Ramiro Rivera Title: Maintenance Manager
Office Phone: 787-866-8117 ext. 2208

Responsibilities: Ensure the implementation and development of this plan.

(3) Elias Sostre Title: Operations Manager

Office Phone: 787-866-8117 ext. 2257

Responsibilities: Ensure the facilities operations "Best Management Practices" are followed.

(4) Arnaldo Pomales Title: Material Handling Team Leader
Office Phone: 787-866-8117 ext. 2240

Responsibilities: Ensure the facilities "Best Management Practices" related to the receiving, storage and processing of coal, limestone and ash are followed.

(5) Carlos Gonzalez Title: Coal Combustion Products Team Leader

Office Phone: 787-866-8117 ext. 2239

Responsibilities: Ensure the facilities "Dust Control Plan" and "Best Management Practices" related to the management, processing and storage of coal combustion products are followed.

Rivera, Jose

From: Hector Avila <hector.avila@aes.com>
Sent: Friday, April 13, 2018 7:29 PM
To: Rivera, Jose
Subject: Fwd: Weekly Stockpile Inspections Solicitud EPA 4-13-18
Attachments: Weekly Stockpile Inspection.pdf; ATT00001.htm

FYI

Sent from my iPhone

Begin forwarded message:

> **From:** "Pedro Labayen" <pedro.labayen@aes.com>
> **To:** "Hector Avila" <hector.avila@aes.com>
> **Subject: Weekly Stockpile Inspections Solicitud EPA 4-13-18**

Rivera, Jose

From: Hector Avila <hector.avila@aes.com>
Sent: Tuesday, April 10, 2018 5:08 PM
To: Rivera, Jose
Subject: RE: AES - Update
Attachments: 2018_03_Carta de Status EPA MSGP Rev2.docx

Hi Jose:

Attached you will find our update.

Fill free to contact me if you have any question.

Regards;

Hector

From: Rivera, Jose [mailto:Rivera.Jose@epa.gov]
Sent: Tuesday, April 10, 2018 4:18 PM
To: Hector Avila <hector.avila@aes.com>
Subject: FW: AES - Update

Buenas tardes Héctor,

Would you please let me know if AES sent the update to EPA. I have not received.

Regrds,

José A. Rivera, BSCE | Team Leader
Clean Water Act Team
Multimedia Permits and Compliance Branch
Direct Dial: (787) 977-5842
Main: (787) 977-5865
e-mail: rivera.jose@epa.gov

US EPA Region 2 | Caribbean Environmental Protection Division
City View Plaza II | Suite 7000
48 RD. 165, Km. 1.2
Guaynabo, Puerto Rico 00968-8069

EPA Office Hours: 9:00 am to 5:30 pm (Tuesday to Friday)
Alternate Work Location: 9:00 am to 5:30 pm (Every Monday)

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From: Rivera, Jose
Sent: Thursday, March 15, 2018 10:38 AM

To: 'Hector Avila' <hector.avila@aes.com>
Subject: RE: AES - Update

Thanks Héctor. I look forward to receiving the update.

Have a nice day!

José A. Rivera, BSCE | Lead Environmental Engineer
Clean Water Act Team
Multimedia Permits and Compliance Branch
Direct Dial: (787) 977-5842
e-mail: rivera.jose@epa.gov

US EPA Region 2 | Caribbean Environmental Protection Division
City View Plaza II | Suite 7000
48 RD. 165, Km. 1.2
Guaynabo, Puerto Rico 00968-8069

Day Off: Every Monday
EPA Office Hours: 6:30 am to 5:00 pm (Tuesday to Friday)

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From: Hector Avila [mailto:hector.avila@aes.com]
Sent: Wednesday, March 14, 2018 9:59 PM
To: Rivera, Jose <Rivera.Jose@epa.gov>
Subject: Re: AES - Update

Hi Jose:

Sorry for the delay. Hopefully we will send you an update by Friday.

Regards;

Hector

Sent from my iPhone

On Mar 14, 2018, at 8:45 PM, Rivera, Jose <Rivera.Jose@epa.gov> wrote:

> Hola,
>
> Thanks for out brief conversation at the AIDIS conference. Would you please let me know when I'll be receiving the update.
>
> Gracias
>
> **José A. Rivera, BSCE | Lead Environmental Engineer**
> Clean Water Act Team
> Multimedia Permits and Compliance Branch
> Direct Dial: (787) 977-5842

e-mail: rivera.jose@epa.gov

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Rivera, Jose

From: Hector Avila <hector.avila@aes.com>
Sent: Friday, April 13, 2018 7:22 PM
To: Rivera, Jose
Subject: Fwd: Routine Inspections Solicitud EPA 4-13-2018
Attachments: 2017_Q-1_Routine Inspection.pdf; ATT00001.htm; 2017_Q-2_Routine Inspection.pdf; ATT00002.htm; 2017_Q-3_Routine Inspection.pdf; ATT00003.htm; 2017_Q-4_Routine Inspection.pdf; ATT00004.htm; 2018_Q-1_Routine Inspection.pdf; ATT00005.htm

Saludos Jose:

En los próximos email te estaré enviando los documentos solicitados.

Tuvimos un poco de dificultad con el scanner por lo que no pude enviarlo antes.

Mis disculpas;

Hector

Sent from my iPhone

Begin forwarded message:

> **From:** "Pedro Labayen" <pedro.labayen@aes.com>
> **To:** "Hector Avila" <hector.avila@aes.com>
> **Subject: Routine Inspections Solicitud EPA 4-13-2018**

Storm Water Industrial Routine Facility Inspection Form — Worksheet No. 4

General Information			
Facility Name	AES Puerto Rico, LP		
NPDES Tracking No.	PRR053093		
Date of Inspection	May 14, 2018	**Start/End Time**	9:30 am / 11:30 pm
Inspector's Name(s)	Pedro E. Labayen		
Inspector's Title(s)	Stormwater Compliance Coordinator		
Inspector's Contact Information	(787) 866-8117 ext. 2215		
Inspector's Qualifications	Professional Engineer		

Weather Information

Weather at time of this inspection?
☑ Clear ❑Cloudy ❑Rain ❑ Sleet ❑ Fog ❑ High Winds
❑ Other: Temperature: **84°F**

Have any previously unidentified discharges of pollutants occurred since the last inspection? ❑Yes ☑No
If yes, describe:

Are there any discharges occurring at the time of inspection? ❑Yes ☑No
If yes, describe:

Control Measures

- *Number the structural stormwater control measures identified in your SWPPP on your site map and list them below (add as many control measures as are implemented on-site). Carry a copy of the numbered site map with you during your inspections. This list will ensure that you are inspecting all required control measures at your facility.*
- *Describe corrective actions initiated, date completed, and note the person that completed the work in the Corrective Action Log.*

ID.	Structural Control Measure	Control Measure is Operating Effectively?	If No, In Need of Maintenance, Repair, or Replacement?	Corrective Action Needed and Notes (identify needed maintenance and repairs, or any failed control measures that need replacement)
Run-on Control (Northeast Area)				
01	Earth berm	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
02	Concrete wall	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
03	Rip rap	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
04	Concrete swale	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
05	Run-on inlet grate	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
06	Polymer secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	

ID.	Structural Control Measure	Control Measure is Operating Effectively?	If No, In Need of Maintenance, Repair, or Replacement?	Corrective Action Needed and Notes (identify needed maintenance and repairs, or any failed control measures that need replacement)
Firewater Pump Station Area				
07	Diesel tank secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
08	Oil / Water Separator	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
East Access Road Area				
09	Concrete channel	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
10	Low wall	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
11	Concrete swale next to switch yard	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Liquid Urea Storage Area				
12	Low wall	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
13	Slope liner	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
14	Truck secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
15	Tank secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
16	Concrete berm	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
17	Concrete channel culvert inlet	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Oil Drums Storage				
18	Covered secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Ash Silos- spout				
19	Ash silos	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
20	Spout connection	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
21	Water spray nozzles	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	

ID.	Structural Control Measure	Control Measure is Operating Effectively?	If No, In Need of Maintenance, Repair, or Replacement?	Corrective Action Needed and Notes (identify needed maintenance and repairs, or any failed control measures that need replacement)
22	Water hose	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
			Diesel Fuel Storage	
23	Tank truck secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
24	Tanks secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
25	Drip pans for vehicle / equipment fueling	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
			AGREMAX Stockpile	
26	Gabion wall	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
27	10 feet buffer zone	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
28	Low wall	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
32	Covered conveyors	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
35	Wheel wash	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	The wheel wash station has been out of service. Agremax transportation was discontinued.
37	Concrete channel	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
			Gate #3	
39	Road grating (2)	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
40	Curb	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
41	Curb riprap	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
42	Slope liner	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
43	Outfall riprap	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	

ID.	Structural Control Measure	Control Measure is Operating Effectively?	If No, In Need of Maintenance, Repair, or Replacement?	Corrective Action Needed and Notes (identify needed maintenance and repairs, or any failed control measures that need replacement)
44	Sampling Point Outfall 002	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
45	Concrete wall	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
AGREMAX Stockpile Perimeter Road				
48	Gravel cover	☑Yes ❑No	☑Maintenance ❑ Repair ❑ Replacement	Gravell installation has been performed by Constructora Melendez. Works at the Agremax perimeter road were completed.
49	Concrete channel	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
50	Low wall	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
51	Run on outfall	❑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Coal Stockpile				
52	Runoff pond	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
53	Super silt fence	❑Yes ☑No	❑ Maintenance ❑ Repair ☑Replacement	The silt fence was affected by hurricane Maria. A corrective action to reinstall the silt fence must be completed.
54	Sediment trap	☑Yes ❑No	❑Maintenance ❑ Repair ❑ Replacement	Sediment trap maintenance activities and sediment removal have been performed during this quarter.
55	Concrete swale	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
56	Wheel washer	☑Yes ❑No	❑Maintenance ❑ Repair ❑Replacement	
57	Riprap in channel and slopes	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Heavy Equipment Maintenance Shop				
61	Floor grating	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
62	Oil / Water Separator	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
63	Used oil storage tank and drums secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
64	Recyclable metals roll-off container cover	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	

ID.	Structural Control Measure	Control Measure is Operating Effectively?	If No, In Need of Maintenance, Repair, or Replacement?	Corrective Action Needed and Notes (identify needed maintenance and repairs, or any failed control measures that need replacement)
Warehouse / Urea Storage Building				
65	Access road gravel cover	❑Yes ☑No	❑ Maintenance ❑ Repair ☑ Replacement	Gravell installation has been performed by Constructora Melendez. Works were delayed because of hurricane Maria.
66	Earthen berm on west side	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
67	Low wall on north side	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
68	Trapezoidal swale	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Open Area West of Cooling Tower				
69	Gravel cover	☑Yes ❑No	❑ Maintenance ❑Repair ❑ Replacement	Gravel cover activities were completed at this area.
70	Slope liners	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Cooling Tower				
71	Secondary containment dike	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Water Treatment				
72	Sludge roll- off container inside clean grating	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
73	Soda ash silo secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
74	Acid / caustic tank truck unloading secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Access Road West of Power Plant				
75	Catch basin inserts	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
76	Curb inlet	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
77	Concrete berm w/ shallow gutter and curb inlet	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
78	Mercury control chemicals covered storage dike	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Storm Water Runoff Pond				
80	Concrete weir	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	

ID.	Structural Control Measure	Control Measure is Operating Effectively?	If No, In Need of Maintenance, Repair, or Replacement?	Corrective Action Needed and Notes (identify needed maintenance and repairs, or any failed control measures that need replacement)
81	Riprap channel	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
82	Sediment accumulation control	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
83	Chemicals secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Road North of Coal Pile Runoff Pond				
85	Coal pile runoff pond	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
86	Low wall	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
87	Riprap in channel and slopes	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
88	Concrete wall	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
89	Concrete beam	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
90	Box culvert	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
91	Sampling Point Outfall 003	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Marine Dock				
92	Collection manifold	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
93	Pier secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
94	Sampling Point Outfall 001	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
95	Conveyor TCI	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	

Areas of Industrial Materials or Activities exposed to stormwater

Below are some general areas that should be assessed during routine inspections. Customize this list as needed for the specific types of industrial materials or activities at your facility.

	Area/Activity	Controls Adequate (appropriate, effective, and operating)?	Corrective Action Needed or Completed and Notes
1	Material loading/unloading and storage areas (Agremax, limestone, coal storage)	☑Yes ❑No ❑ N/A	
2	Heavy equipment operations and maintenance areas	☑Yes ❑No ❑ N/A	
3	Fueling areas (heavy equipment fueling and storage tank unloading)	☑Yes ❑No ❑ N/A	
4	Outdoor vehicle and equipment washing areas	☑Yes ❑No ❑ N/A	
5	Waste handling and disposal areas	☑Yes ❑No ❑ N/A	
6	Erodible stockpiles (coal, Agremax)	☑Yes ❑No ❑ N/A	
7	Non-stormwater/ illicit connections	❑Yes ❑No ☑ N/A	
8	Dust generation and vehicle tracking	☑Yes ❑No ❑ N/A	
9	Water Treatment Area	☑Yes ❑No ❑ N/A	
10	Power Block Area	☑Yes ❑No ❑ N/A	
11	Administration Building Area	☑Yes ❑No ❑ N/A	
12	2 Million- gallon and 18 Million-gallon Pond Area	☑Yes ❑No ❑ N/A	
13	Marine Dock Area	☑Yes ❑No ❑ N/A	
14	Stormwater Sample Point 001	☑Yes ❑No ❑ N/A	
15	Stormwater Sample Point 002	☑Yes ❑No ❑ N/A	
16	Stormwater Sample Point 003	☑Yes ❑No ❑ N/A	

	Area/Activity	Controls Adequate (appropriate, effective, and operating)?	Corrective Action Needed or Completed and Notes
17	Run-on storm water conveyance system	☑Yes ❑No ❑ N/A	
18	Run-off storm water conveyance system	☑Yes ❑No ❑ N/A	
19	Process water conveyance system	☑Yes ❑No ❑ N/A	
20	CDS/ESP Area	☑Yes ❑No ❑ N/A	
21	Polymer application at 2 MM-gallon pond area	☑Yes ❑No ❑ N/A	
22	18 MM-gallon Pond Transfer Pumps	☑Yes ❑No ❑ N/A	
23	Coal Crusher Building	☑Yes ❑No ❑ N/A	
24	Portable Toilets	☑Yes ❑No ❑ N/A	

Non-Compliance

Describe any incidents of non-compliance observed and not described above:

Additional Control Measures

Describe any additional control measures needed to comply with the permit requirements:

Working on a corrective action to reduce or eliminate the discharge of vehicle tracked solids through outfall 002 and get the plant into compliance with benchmark parameter. A hydrologic analysis from the affected area have been performed, including additional or potential plant stormwater storage capacity. Professional recommendations and different alternatives will be provided and evaluated to comply with the MSGP 2015 Permit.

Notes

Use this space for any additional notes or observations from the inspection:

CERTIFICATION STATEMENT

"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."

Print name and title: Pedro E. Labayen / Storm Water Compliance Coordinator

Signature: Pedro E. Labayen **Date:** May 14, 2018.

Storm Water Industrial Routine Facility Inspection Form

Worksheet No. 4

General Information			
Facility Name	AES Puerto Rico, LP		
NPDES Tracking No.	PRR053093		
Date of Inspection	February 27, 2018	**Start/End Time**	10:00 am / 12:00 pm
Inspector's Name(s)	Pedro E. Labayen		
Inspector's Title(s)	Stormwater Compliance Coordinator		
Inspector's Contact Information	(787) 866-8117 ext. 2215		
Inspector's Qualifications	Professional Engineer		

Weather Information

Weather at time of this inspection?
☐ Clear ☐Cloudy ☑Rain ☐ Sleet ☐ Fog ☐ High Winds
☐ Other:
Temperature: **80°F**

Have any previously unidentified discharges of pollutants occurred since the last inspection? ☐Yes ☑No
If yes, describe:

Are there any discharges occurring at the time of inspection? ☐Yes ☑No
If yes, describe:

Control Measures

- *Number the structural stormwater control measures identified in your SWPPP on your site map and list them below (add as many control measures as are implemented on-site). Carry a copy of the numbered site map with you during your inspections. This list will ensure that you are inspecting all required control measures at your facility.*
- *Describe corrective actions initiated, date completed, and note the person that completed the work in the Corrective Action Log.*

ID.	Structural Control Measure	Control Measure is Operating Effectively?	If No, In Need of Maintenance, Repair, or Replacement?	Corrective Action Needed and Notes (identify needed maintenance and repairs, or any failed control measures that need replacement)
Run-on Control (Northeast Area)				
01	Earth berm	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
02	Concrete wall	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
03	Rip rap	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
04	Concrete swale	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
05	Run-on inlet grate	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
06	Polymer secondary containment	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	

ID.	Structural Control Measure	Control Measure is Operating Effectively?	If No, In Need of Maintenance, Repair, or Replacement?	Corrective Action Needed and Notes (identify needed maintenance and repairs, or any failed control measures that need replacement)
Firewater Pump station Area				
07	Diesel tank secondary containment	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
08	Oil / Water Separator	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
East Access Road Area				
09	Concrete channel	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
10	Low wall	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
11	Concrete swale next to switch yard	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
Liquid Urea Storage Area				
12	Low wall	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
13	Slope liner	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
14	Truck secondary containment	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
15	Tank secondary containment	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
16	Concrete berm	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
17	Concrete channel culvert inlet	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
Oil Drums Storage				
18	Covered secondary containment	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
Ash Silos- spout				
19	Ash silos	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
20	Spout connection	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
21	Water spray nozzles	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	

ID.	Structural Control Measure	Control Measure is Operating Effectively?	If No, In Need of Maintenance, Repair, or Replacement?	Corrective Action Needed and Notes (identify needed maintenance and repairs, or any failed control measures that need replacement)
22	Water hose	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
			Diesel Fuel Storage	
23	Tank truck secondary containment	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
24	Tanks secondary containment	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
25	Drip pans for vehicle / equipment fueling	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
			AGREMAX Stockpile	
26	Gabion wall	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
27	10 feet buffer zone	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
28	Low wall	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
32	Covered conveyors	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
35	Wheel wash	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	The wheel wash station has been out of service because agremax transportation was suspended.
37	Concrete channel	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
			Gate #3	
39	Road grating (2)	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
40	Curb	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
41	Curb riprap	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
42	Slope liner	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
43	Outfall riprap	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	

ID.	Structural Control Measure	Control Measure is Operating Effectively?	If No, In Need of Maintenance, Repair, or Replacement?	Corrective Action Needed and Notes (identify needed maintenance and repairs, or any failed control measures that need replacement)
44	Sampling Point Outfall 002	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
45	Concrete wall	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
AGREMAX Stockpile Perimeter Road				
48	Gravel cover	☐Yes ☑No	☑Maintenance ☐ Repair ☐ Replacement	Gravell installation has been performed by Constructora Melendez. Works were delayed because of hurricane Maria. Stone availability at the quarry have been verified to continue with the project.
49	Concrete channel	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
50	Low wall	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
51	Run on outfall	☐Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
Coal Stockpile				
52	Runoff pond	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
53	Super silt fence	☐Yes ☑No	☐ Maintenance ☐ Repair ☑Replacement	The silt fence was affected by hurricane Maria. A corrective action to reinstall the silt fence must be completed.
54	Sediment trap	☐Yes ☑No	☑Maintenance ☐ Repair ☐ Replacement	The sediment trap required maintenance and sediment removal.
55	Concrete swale	☐Yes ☑No	☑ Maintenance ☐ Repair ☐ Replacement	The concrete swale required maintenance and sediment removal.
56	Wheel washer	☑Yes ☐No	☐Maintenance ☐ Repair ☐Replacement	
57	Riprap in channel and slopes	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
Heavy Equipment Maintenance Shop				
61	Floor grating	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
62	Oil / Water Separator	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
63	Used oil storage tank and drums secondary containment	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
64	Recyclable metals roll-off container cover	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	

ID.	Structural Control Measure	Control Measure is Operating Effectively?	If No, In Need of Maintenance, Repair, or Replacement?	Corrective Action Needed and Notes (identify needed maintenance and repairs, or any failed control measures that need replacement)
Warehouse / Urea Storage Building				
65	Access road gravel cover	☐Yes ☑No	☐ Maintenance ☐ Repair ☑ Replacement	Gravell installation has been performed by Constructora Melendez. Works were delayed because of hurricane Maria.
66	Earthen berm on west side	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
67	Low wall on north side	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
68	Trapezoidal swale	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
Open Area West of Cooling Tower				
69	Gravel cover	☑Yes ☐No	☐ Maintenance ☐Repair ☐ Replacement	Gravel cover activities were completed at this area.
70	Slope liners	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
Cooling Tower				
71	Secondary containment dike	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
Water Treatment				
72	Sludge roll- off container inside clean grating	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
73	Soda ash silo secondary containment	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
74	Acid / caustic tank truck unloading secondary containment	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
Access Road West of Power Plant				
75	Catch basin inserts	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
76	Curb inlet	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
77	Concrete berm w/ shallow gutter and curb inlet	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
78	Mercury control chemicals covered storage dike	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
Storm Water Runoff Pond				
80	Concrete weir	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	

ID.	Structural Control Measure	Control Measure is Operating Effectively?	If No, In Need of Maintenance, Repair, or Replacement?	Corrective Action Needed and Notes (identify needed maintenance and repairs, or any failed control measures that need replacement)
81	Riprap channel	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
82	Sediment accumulation control	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
83	Chemicals secondary containment	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
Road North of Coal Pile Runoff Pond				
85	Coal pile runoff pond	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
86	Low wall	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
87	Riprap in channel and slopes	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
88	Concrete wall	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
89	Concrete beam	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
90	Box culvert	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
91	Sampling Point Outfall 003	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
Marine Dock				
92	Collection manifold	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
93	Pier secondary containment	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
94	Sampling Point Outfall 001	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
95	Conveyor TCI	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	

Areas of Industrial Materials or Activities exposed to stormwater
Below are some general areas that should be assessed during routine inspections. Customize this list as needed for the specific types of industrial materials or activities at your facility.

	Area/Activity	Controls Adequate (appropriate, effective, and operating)?	Corrective Action Needed or Completed and Notes
1	Material loading/unloading and storage areas (Agremax, limestone, coal storage)	☑Yes ☐No ☐ N/A	
2	Heavy equipment operations and maintenance areas	☑Yes ☐No ☐ N/A	
3	Fueling areas (heavy equipment fueling and storage tank unloading)	☑Yes ☐No ☐ N/A	
4	Outdoor vehicle and equipment washing areas	☑Yes ☐No ☐ N/A	
5	Waste handling and disposal areas	☑Yes ☐No ☐ N/A	
6	Erodible stockpiles (coal, Agremax)	☑Yes ☐No ☐ N/A	
7	Non-stormwater/ illicit connections	☐Yes ☐No ☑ N/A	
8	Dust generation and vehicle tracking	☑Yes ☐No ☐ N/A	
9	Water Treatment Area	☑Yes ☐No ☐ N/A	
10	Power Block Area	☑Yes ☐No ☐ N/A	
11	Administration Building Area	☑Yes ☐No ☐ N/A	
12	2 Million- gallon and 18 Million-gallon Pond Area	☑Yes ☐No ☐ N/A	
13	Marine Dock Area	☑Yes ☐No ☐ N/A	
14	Stormwater Sample Point 001	☑Yes ☐No ☐ N/A	
15	Stormwater Sample Point 002	☑Yes ☐No ☐ N/A	
16	Stormwater Sample Point 003	☑Yes ☐No ☐ N/A	

	Area/Activity	Controls Adequate (appropriate, effective, and operating)?	Corrective Action Needed or Completed and Notes
17	Run-on storm water conveyance system	☑Yes ☐No ☐ N/A	
18	Run-off storm water conveyance system	☑Yes ☐No ☐ N/A	
19	Process water conveyance system	☑Yes ☐No ☐ N/A	
20	CDS/ESP Area	☑Yes ☐No ☐ N/A	
21	Polymer application at 2 MM-gallon pond area	☑Yes ☐No ☐ N/A	
22	18 MM-gallon Pond Transfer Pumps	☑Yes ☐No ☐ N/A	
23	Coal Crusher Building	☑Yes ☐No ☐ N/A	
24	Portable Toilets	☑Yes ☐No ☐ N/A	

Non-Compliance

Describe any incidents of non-compliance observed and not described above:

Additional Control Measures

Describe any additional control measures needed to comply with the permit requirements:

Notes

Use this space for any additional notes or observations from the inspection:

CERTIFICATION STATEMENT

"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."

Print name and title: Pedro E. Labayen / Storm Water Compliance Coordinator

Signature: _____ **Date:** Feb 27, 2018

Storm Water Industrial Routine Facility Inspection Form — Worksheet No. 4

General Information			
Facility Name	AES Puerto Rico, LP		
NPDES Tracking No.	PRR053093		
Date of Inspection	November 13, 2017	**Start/End Time**	8:00 am / 11:00 am
Inspector's Name(s)	Pedro E. Labayen		
Inspector's Title(s)	Stormwater Compliance Coordinator		
Inspector's Contact Information	(787) 866-8117 ext. 2215		
Inspector's Qualifications	Professional Engineer		

Weather Information

Weather at time of this inspection?
❑ Clear ❑Cloudy ☑Rain ❑ Sleet ❑ Fog ❑ High Winds
❑ Other: Temperature: **87°F**

Have any previously unidentified discharges of pollutants occurred since the last inspection? ❑Yes ☑No
If yes, describe:

Are there any discharges occurring at the time of inspection? ☑Yes ☑No PLG
If yes, describe: Stormwater discharge from outfall 002, 003 & 001

Control Measures

- *Number the structural stormwater control measures identified in your SWPPP on your site map and list them below (add as many control measures as are implemented on-site). Carry a copy of the numbered site map with you during your inspections. This list will ensure that you are inspecting all required control measures at your facility.*
- *Describe corrective actions initiated, date completed, and note the person that completed the work in the Corrective Action Log.*

ID.	Structural Control Measure	Control Measure is Operating Effectively?	If No, In Need of Maintenance, Repair, or Replacement?	Corrective Action Needed and Notes (identify needed maintenance and repairs, or any failed control measures that need replacement)
Run-on Control (Northeast Area)				
01	Earth berm	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
02	Concrete wall	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
03	Rip rap	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
04	Concrete swale	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
05	Run-on inlet grate	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
06	Polymer secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	

ID.	Structural Control Measure	Control Measure is Operating Effectively?	If No, In Need of Maintenance, Repair, or Replacement?	Corrective Action Needed and Notes (identify needed maintenance and repairs, or any failed control measures that need replacement)
Firewater Pump station Area				
07	Diesel tank secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
08	Oil / Water Separator	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
East Access Road Area				
09	Concrete channel	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
10	Low wall	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
11	Concrete swale next to switch yard	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Liquid Urea Storage Area				
12	Low wall	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
13	Slope liner	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
14	Truck secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
15	Tank secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
16	Concrete berm	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
17	Concrete channel culvert inlet	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Oil Drums Storage				
18	Covered secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Ash Silos- spout				
19	Ash silos	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
20	Spout connection	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
21	Water spray nozzles	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	

ID.	Structural Control Measure	Control Measure is Operating Effectively?	If No, In Need of Maintenance, Repair, or Replacement?	Corrective Action Needed and Notes (identify needed maintenance and repairs, or any failed control measures that need replacement)
22	Water hose	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
			Diesel Fuel Storage	
23	Tank truck secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
24	Tanks secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
25	Drip pans for vehicle / equipment fueling	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
			AGREMAX Stockpile	
26	Gabion wall	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
27	10 feet buffer zone	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
28	Low wall	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
32	Covered conveyors	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
35	Wheel wash	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	The wheel wash station has been out of service since agremax transportation was suspended.
37	Concrete channel	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
			Gate #3	
39	Road grating (2)	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
40	Curb	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
41	Curb riprap	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
42	Slope liner	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
43	Outfall riprap	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	

ID.	Structural Control Measure	Control Measure is Operating Effectively?	If No, In Need of Maintenance, Repair, or Replacement?	Corrective Action Needed and Notes (identify needed maintenance and repairs, or any failed control measures that need replacement)
44	Sampling Point Outfall 002	❑Yes ☑No	☑ Maintenance ❑ Repair ❑ Replacement	
45	Concrete wall	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
AGREMAX Stockpile Perimeter Road				
48	Gravel cover	❑Yes ☑No	☑Maintenance ❑ Repair ❑ Replacement	Gravell installation has been performed by Constructora Melendez. Works were delayed due to the effects of hurricane Maria.
49	Concrete channel	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
50	Low wall	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
51	Run on outfall	❑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Coal Stockpile				
52	Runoff pond	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
53	Super silt fence	❑Yes ☑No	❑ Maintenance ❑ Repair ☑Replacement	The silt fence was affected by hurricane Maria.
54	Sediment trap	❑Yes ☑No	☑Maintenance ❑ Repair ❑ Replacement	The sediment trap required maintenance and sediment removal.
55	Concrete swale	❑Yes ☑No	❑ Maintenance ❑ Repair ❑ Replacement	The concrete swale required maintenance and sediment removal.
56	Wheel washer	☑Yes ❑No	❑Maintenance ❑ Repair ❑Replacement	
57	Riprap in channel and slopes	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Heavy Equipment Maintenance Shop				
61	Floor grating	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
62	Oil / Water Separator	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
63	Used oil storage tank and drums secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
64	Recyclable metals roll-off container cover	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	

ID.	Structural Control Measure	Control Measure is Operating Effectively?	If No, In Need of Maintenance, Repair, or Replacement?	Corrective Action Needed and Notes (identify needed maintenance and repairs, or any failed control measures that need replacement)
Warehouse / Urea Storage Building				
65	Access road gravel cover	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	Gravell installation has been performed by Constructora Melendez. Works were delayed due to the effects of hurricane Maria.
66	Earthen berm on west side	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
67	Low wall on north side	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
68	Trapezoidal swale	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Open Area West of Cooling Tower				
69	Gravel cover	☑Yes ❑No	❑ Maintenance ❑Repair ❑ Replacement	Gravel cover activities were completed at this area.
70	Slope liners	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Cooling Tower				
71	Secondary containment dike	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Water Treatment				
72	Sludge roll- off container inside clean grating	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
73	Soda ash silo secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
74	Acid / caustic tank truck unloading secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Access Road West of Power Plant				
75	Catch basin inserts	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
76	Curb inlet	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
77	Concrete berm w/ shallow gutter and curb inlet	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
78	Mercury control chemicals covered storage dike	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Storm Water Runoff Pond				
80	Concrete weir	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	

ID.	Structural Control Measure	Control Measure is Operating Effectively?	If No, In Need of Maintenance, Repair, or Replacement?	Corrective Action Needed and Notes (identify needed maintenance and repairs, or any failed control measures that need replacement)
81	Riprap channel	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
82	Sediment accumulation control	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
83	Chemicals secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Road North of Coal Pile Runoff Pond				
85	Coal pile runoff pond	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
86	Low wall	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
87	Riprap in channel and slopes	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
88	Concrete wall	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
89	Concrete beam	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
90	Box culvert	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
91	Sampling Point Outfall 003	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Marine Dock				
92	Collection manifold	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
93	Pier secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
94	Sampling Point Outfall 001	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
95	Conveyor TCI	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	

Areas of Industrial Materials or Activities exposed to stormwater

Below are some general areas that should be assessed during routine inspections. Customize this list as needed for the specific types of industrial materials or activities at your facility.

	Area/Activity	Controls Adequate (appropriate, effective, and operating)?	Corrective Action Needed or Completed and Notes
1	Material loading/unloading and storage areas (Agremax, limestone, coal storage)	☑Yes ❑No ❑ N/A	
2	Heavy equipment operations and maintenance areas	☑Yes ❑No ❑ N/A	
3	Fueling areas (heavy equipment fueling and storage tank unloading)	☑Yes ❑No ❑ N/A	
4	Outdoor vehicle and equipment washing areas	☑Yes ❑No ❑ N/A	
5	Waste handling and disposal areas	☑Yes ❑No ❑ N/A	
6	Erodible stockpiles (coal, Agremax)	☑Yes ❑No ❑ N/A	
7	Non-stormwater/ illicit connections	❑Yes ❑No ☑ N/A	
8	Dust generation and vehicle tracking	☑Yes ❑No ❑ N/A	
9	Water Treatment Area	☑Yes ❑No ❑ N/A	
10	Power Block Area	☑Yes ❑No ❑ N/A	
11	Administration Building Area	☑Yes ❑No ❑ N/A	
12	2 Million- gallon and 18 Million-gallon Pond Area	☑Yes ❑No ❑ N/A	
13	Marine Dock Area	☑Yes ❑No ❑ N/A	
14	Stormwater Sample Point 001	☑Yes ❑No ❑ N/A	Visual assessment was completed
15	Stormwater Sample Point 002	☑Yes ❑No ❑ N/A	Visual assessment was completed and Stormwater sample was taken
16	Stormwater Sample Point 003	☑Yes ❑No ❑ N/A	Visual assessment was completed.

	Area/Activity	Controls Adequate (appropriate, effective, and operating)?	Corrective Action Needed or Completed and Notes
17	Run-on storm water conveyance system	☑Yes ❑No ❑ N/A	
18	Run-off storm water conveyance system	☑Yes ❑No ❑ N/A	
19	Process water conveyance system	☑Yes ❑No ❑ N/A	
20	CDS/ESP Area	☑Yes ❑No ❑ N/A	
21	Polymer application at 2 MM-gallon pond area	☑Yes ❑No ❑ N/A	
22	18 MM-gallon Pond Transfer Pumps	☑Yes ❑No ❑ N/A	
23	Coal Crusher Building	☑Yes ❑No ❑ N/A	
24	Portable Toilets	☑Yes ❑No ❑ N/A	

Non-Compliance

Describe any incidents of non-compliance observed and not described above:

Additional Control Measures

Describe any additional control measures needed to comply with the permit requirements:

A corrective action evaluation will be performed by an external contractor in order to reduce or eliminate the discharge of vehicle tracked solids through outfall 002 and get the plant into compliance with benchmark parameter.

Notes

Use this space for any additional notes or observations from the inspection:

-The AES Puerto Rico plant facility was not in operation since September 19, 2017 due to the effects of hurricane Maria.

-Stormwater automatic samplers were damaged by hurricane. Equipments were evaluated by MSSC in order to determine ~~the~~ or estimate the condition (electrical and mechanical). Equipments were send to the contractors shop for troubleshooting and reparation

CERTIFICATION STATEMENT

"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."

Print name and title: Pedro E. Labayen / Storm Water Compliance Coordinator

Signature: [signature] **Date:** Nov 13, 2017.

Storm Water Industrial Routine Facility Inspection Form

Worksheet No. 4

General Information			
Facility Name	AES Puerto Rico, LP		
NPDES Tracking No.	PRR053093		
Date of Inspection	August 11, 2017	**Start/End Time**	9:00 am / 12:00 pm
Inspector's Name(s)	Pedro E. Labayen		
Inspector's Title(s)	Stormwater Compliance Coordinator		
Inspector's Contact Information	(787) 866-8117 ext. 2215		
Inspector's Qualifications	Professional Engineer		

Weather Information

Weather at time of this inspection?
☑ Clear ☐ Cloudy ☐ Rain ☐ Sleet ☐ Fog ☐ High Winds
☐ Other: Temperature: **87°F**

Have any previously unidentified discharges of pollutants occurred since the last inspection? ☐ Yes ☑ No
If yes, describe:

Are there any discharges occurring at the time of inspection? ☐ Yes ☑ No
If yes, describe:

Control Measures

- *Number the structural stormwater control measures identified in your SWPPP on your site map and list them below (add as many control measures as are implemented on-site). Carry a copy of the numbered site map with you during your inspections. This list will ensure that you are inspecting all required control measures at your facility.*
- *Describe corrective actions initiated, date completed, and note the person that completed the work in the Corrective Action Log.*

ID.	Structural Control Measure	Control Measure is Operating Effectively?	If No, In Need of Maintenance, Repair, or Replacement?	Corrective Action Needed and Notes (identify needed maintenance and repairs, or any failed control measures that need replacement)
Run-on Control (Northeast Area)				
01	Earth berm	☑ Yes ☐ No	☐ Maintenance ☐ Repair ☐ Replacement	
02	Concrete wall	☑ Yes ☐ No	☐ Maintenance ☐ Repair ☐ Replacement	
03	Rip rap	☑ Yes ☐ No	☐ Maintenance ☐ Repair ☐ Replacement	
04	Concrete swale	☑ Yes ☐ No	☐ Maintenance ☐ Repair ☐ Replacement	
05	Run-on inlet grate	☑ Yes ☐ No	☐ Maintenance ☐ Repair ☐ Replacement	
06	Polymer secondary containment	☑ Yes ☐ No	☐ Maintenance ☐ Repair ☐ Replacement	

ID.	Structural Control Measure	Control Measure is Operating Effectively?	If No, In Need of Maintenance, Repair, or Replacement?	Corrective Action Needed and Notes (identify needed maintenance and repairs, or any failed control measures that need replacement)
Firewater Pump station Area				
07	Diesel tank secondary containment	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
08	Oil / Water Separator	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
East Access Road Area				
09	Concrete channel	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
10	Low wall	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
11	Concrete swale next to switch yard	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
Liquid Urea Storage Area				
12	Low wall	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
13	Slope liner	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
14	Truck secondary containment	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
15	Tank secondary containment	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
16	Concrete berm	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
17	Concrete channel culvert inlet	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
Oil Drums Storage				
18	Covered secondary containment	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	New drums were placed near the secondary containment. A notification was completed to store all drums inside secondary containment.
Ash Silos- spout				
19	Ash silos	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
20	Spout connection	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
21	Water spray nozzles	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	

ID.	Structural Control Measure	Control Measure is Operating Effectively?	If No, In Need of Maintenance, Repair, or Replacement?	Corrective Action Needed and Notes (identify needed maintenance and repairs, or any failed control measures that need replacement)
22	Water hose	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
			Diesel Fuel Storage	
23	Tank truck secondary containment	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
24	Tanks secondary containment	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	~~Tank was water emptied and~~ cleaned on August 5, 2017. Sludge was removed from tank
25	Drip pans for vehicle / equipment fueling	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
			AGREMAX Stockpile	
26	Gabion wall	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
27	10 feet buffer zone	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	The 10 feet buffer zone was affected by heavy rains. CCP personnel repair the zone once the area became safe and adequate for the work.
28	Low wall	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
32	Covered conveyors	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
35	Wheel wash	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	The wheel wash station has been out of service since agremax transportation was suspended.
37	Concrete channel	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	The concrete channel was cleaned on July 23, 2017.
			Gate #3	
39	Road grating (2)	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	The storm water inlet filter bags were replaced and the channel at the discharge point 002 was cleaned.
40	Curb	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
41	Curb riprap	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
42	Slope liner	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
43	Outfall riprap	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	

ID.	Structural Control Measure	Control Measure is Operating Effectively?	If No, In Need of Maintenance, Repair, or Replacement?	Corrective Action Needed and Notes (identify needed maintenance and repairs, or any failed control measures that need replacement)
44	Sampling Point Outfall 002	☐Yes ☑No	☑ Maintenance ☐ Repair ☐ Replacement	Tracking of sediment by vehicles from the adjacent public dirty road to the plant entrance have been affecting benchmark compliance at that point. An analysis of corrective actions will be performed by an external contractor in order to mitigate the problem.
45	Concrete wall	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
AGREMAX Stockpile Perimeter Road				
48	Gravel cover	☐Yes ☑No	☑Maintenance ☐ Repair ☐ Replacement	
49	Concrete channel	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
50	Low wall	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
51	Run on outfall	☐Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
Coal Stockpile				
52	Runoff pond	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
53	Super silt fence	☐Yes ☑No	☐ Maintenance ☐ Repair ☑Replacement	A segment of the silt fence located north of the coal storage pile was replaced. Silt fence installed west side of the coal pile needed replacement. A notification was performed (#542920) and new silt fence was ordered.
54	Sediment trap	☑Yes ☐No	☐Maintenance ☐ Repair ☐ Replacement	The sediment trap was cleaned on July 31, 2017.
55	Concrete swale	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
56	Wheel washer	☑Yes ☐No	☐Maintenance ☐ Repair ☐Replacement	
57	Riprap in channel and slopes	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
Heavy Equipment Maintenance Shop				
61	Floor grating	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
62	Oil / Water Separator	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
63	Used oil storage tank and drums secondary containment	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	

ID.	Structural Control Measure	Control Measure is Operating Effectively?	If No, In Need of Maintenance, Repair, or Replacement?	Corrective Action Needed and Notes (identify needed maintenance and repairs, or any failed control measures that need replacement)
64	Recyclable metals roll-off container cover	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
Warehouse / Urea Storage Building				
65	Access road gravel cover	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
66	Earthen berm on west side	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
67	Low wall on north side	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
68	Trapezoidal swale	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
Open Area West of Cooling Tower				
69	Gravel cover	☐Yes ☑No	☐ Maintenance ☑ Repair ☐ Replacement	Gravel cover activities were coordinated with an external contractor (Las Piedras Construction Company)
70	Slope liners	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
Cooling Tower				
71	Secondary containment dike	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
Water Treatment				
72	Sludge roll- off container inside clean grating	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
73	Soda ash silo secondary containment	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
74	Acid / caustic tank truck unloading secondary containment	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
Access Road West of Power Plant				
75	Catch basin inserts	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
76	Curb inlet	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
77	Concrete berm w/ shallow gutter and curb inlet	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
78	Mercury control chemicals covered storage dike	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
Storm Water Runoff Pond				

ID.	Structural Control Measure	Control Measure is Operating Effectively?	If No, In Need of Maintenance, Repair, or Replacement?	Corrective Action Needed and Notes (identify needed maintenance and repairs, or any failed control measures that need replacement)
80	Concrete weir	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
81	Riprap channel	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
82	Sediment accumulation control	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
83	Chemicals secondary containment	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
Road North of Coal Pile Runoff Pond				
85	Coal pile runoff pond	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
86	Low wall	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
87	Riprap in channel and slopes	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
88	Concrete wall	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
89	Concrete beam	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
90	Box culvert	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
91	Sampling Point Outfall 003	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
Marine Dock				
92	Collection manifold	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
93	Pier secondary containment	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
94	Sampling Point Outfall 001	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
95	Conveyor TCI	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	

Areas of Industrial Materials or Activities exposed to stormwater
Below are some general areas that should be assessed during routine inspections. Customize this list as needed for the specific types of industrial materials or activities at your facility.

	Area/Activity	Controls Adequate (appropriate, effective, and operating)?	Corrective Action Needed or Completed and Notes
1	Material loading/unloading and storage areas (Agremax, limestone, coal storage)	☑Yes ☐No ☐ N/A	
2	Heavy equipment operations and maintenance areas	☑Yes ☐No ☐ N/A	
3	Fueling areas (heavy equipment fueling and storage tank unloading)	☑Yes ☐No ☐ N/A	
4	Outdoor vehicle and equipment washing areas	☑Yes ☐No ☐ N/A	
5	Waste handling and disposal areas	☑Yes ☐No ☐ N/A	
6	Erodible stockpiles (coal, Agremax)	☑Yes ☐No ☐ N/A	
7	Non-stormwater/ illicit connections	☐Yes ☐No ☑ N/A	
8	Dust generation and vehicle tracking	☑Yes ☐No ☐ N/A	
9	Water Treatment Area	☑Yes ☐No ☐ N/A	
10	Power Block Area	☑Yes ☐No ☐ N/A	
11	Administration Building Area	☑Yes ☐No ☐ N/A	
12	2 Million- gallon and 18 Million-gallon Pond Area	☑Yes ☐No ☐ N/A	
13	Marine Dock Area	☑Yes ☐No ☐ N/A	
14	Stormwater Sample Point 001	☑Yes ☐No ☐ N/A	
15	Stormwater Sample Point 002	☐Yes ☑No ☐ N/A	Explained above.
16	Stormwater Sample Point 003	☑Yes ☐No ☐ N/A	

	Area/Activity	Controls Adequate (appropriate, effective, and operating)?	Corrective Action Needed or Completed and Notes
17	Run-on storm water conveyance system	☑Yes ❑No ❑ N/A	
18	Run-off storm water conveyance system	☑Yes ❑No ❑ N/A	
19	Process water conveyance system	☑Yes ❑No ❑ N/A	
20	CDS/ESP Area	☑Yes ❑No ❑ N/A	
21	Polymer application at 2 MM-gallon pond area	☑Yes ❑No ❑ N/A	
22	18 MM-gallon Pond Transfer Pumps	☑Yes ❑No ❑ N/A	
23	Coal Crusher Building	☑Yes ❑No ❑ N/A	
24	Portable Toilets	☑Yes ❑No ❑ N/A	

Non-Compliance

Describe any incidents of non-compliance observed and not described above:

An EPA MSGP compliance inspection was performed on July 21, 2017. Findings of noncompliance with the 2015 NPDES MSGP were observed by EPA. These includes:

1. Benchmark exceedance in outfall 002.
2. Filter bags deteriorated.
3. Stormwater pond not properly maintained.
4. Stormwater conveyance ditch covered with AGREMAX.
5. Diesel control tank with water accumulation.
6. AGREMAX pile water sprinklers not in use.
7. Sweeper not observed in use.
8. Exposed soil.
9. Gabion barrier filter fabric disrepair and AGREMAX accumulation.
10. Slope eroded.

Additional Control Measures

Describe any additional control measures needed to comply with the permit requirements:

A corrective action evaluation will be performed by an external contractor in order to reduce or eliminate the discharge of vehicle tracked solids through outfall 002 and get the plant into compliance with benchmark parameter.

Notes

Use this space for any additional notes or observations from the inspection:

CERTIFICATION STATEMENT

"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."

Print name and title: Pedro E. Lobayna / Storm Water Compliance Coordinator

Signature: _____ **Date:** August 11, 2017

Storm Water Industrial Routine Facility Inspection Form — Worksheet No. 4

General Information			
Facility Name	AES Puerto Rico, LP		
NPDES Tracking No.	PRR053093		
Date of Inspection	May 30, 2017	**Start/End Time**	2:00 pm / 4:00 pm
Inspector's Name(s)	Pedro E. Labayen		
Inspector's Title(s)	Stormwater Compliance Coordinator		
Inspector's Contact Information	(787) 866-8117 ext. 2215		
Inspector's Qualifications	Professional Engineer		

Weather Information

Weather at time of this inspection?
☑ Clear ❑Cloudy ❑ Rain ❑ Sleet ❑ Fog ❑ High Winds
❑ Other: Temperature: **82°F**

Have any previously unidentified discharges of pollutants occurred since the last inspection? ❑Yes ☑No
If yes, describe:

Are there any discharges occurring at the time of inspection? ❑Yes ☑No
If yes, describe:

Control Measures

- *Number the structural stormwater control measures identified in your SWPPP on your site map and list them below (add as many control measures as are implemented on-site). Carry a copy of the numbered site map with you during your inspections. This list will ensure that you are inspecting all required control measures at your facility.*
- *Describe corrective actions initiated, date completed, and note the person that completed the work in the Corrective Action Log.*

ID.	Structural Control Measure	Control Measure is Operating Effectively?	If No, In Need of Maintenance, Repair, or Replacement?	Corrective Action Needed and Notes (identify needed maintenance and repairs, or any failed control measures that need replacement)
Run-on Control (Northeast Area)				
01	Earth berm	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
02	Concrete wall	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
03	Rip rap	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
04	Concrete swale	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
05	Run-on inlet grate	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
06	Polymer secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	

ID.	Structural Control Measure	Control Measure is Operating Effectively?	If No, In Need of Maintenance, Repair, or Replacement?	Corrective Action Needed and Notes (identify needed maintenance and repairs, or any failed control measures that need replacement)
Firewater Pump station Area				
07	Diesel tank secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
08	Oil / Water Separator	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
East Access Road Area				
09	Concrete channel	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
10	Low wall	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
11	Concrete swale next to switch yard	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Liquid Urea Storage Area				
12	Low wall	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
13	Slope liner	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
14	Truck secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
15	Tank secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
16	Concrete berm	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
17	Concrete channel culvert inlet	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Oil Drums Storage				
18	Covered secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Ash Silos- spout				
19	Ash silos	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
20	Spout connection	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
21	Water spray nozzles	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	

ID.	Structural Control Measure	Control Measure is Operating Effectively?	If No, In Need of Maintenance, Repair, or Replacement?	Corrective Action Needed and Notes (identify needed maintenance and repairs, or any failed control measures that need replacement)
22	Water hose	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
			Diesel Fuel Storage	
23	Tank truck secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
24	Tanks secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
25	Drip pans for vehicle / equipment fueling	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
			AGREMAX Stockpile	
26	Gabion wall	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
27	10 feet buffer zone	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
28	Low wall	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
32	Covered conveyors	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
35	Wheel wash	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	The wheel wash station has been out of service since agremax transportation was suspended.
37	Concrete channel	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
			Gate #3	
39	Road grating (2)	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	The storm water inlet filter bags were replaced and the channel at the discharge point 002 was cleaned.
40	Curb	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
41	Curb riprap	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
42	Slope liner	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
43	Outfall riprap	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	

ID.	Structural Control Measure	Control Measure is Operating Effectively?	If No, In Need of Maintenance, Repair, or Replacement?	Corrective Action Needed and Notes (identify needed maintenance and repairs, or any failed control measures that need replacement)
44	Sampling Point Outfall 002	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
45	Concrete wall	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
AGREMAX Stockpile Perimeter Road				
48	Gravel cover	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
49	Concrete channel	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
50	Low wall	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
51	Run on outfall	❑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Coal Stockpile				
52	Runoff pond	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
53	Super silt fence	❑Yes ☑No	❑ Maintenance ❑ Repair ❑ Replacement	A segment of the silt fence located north of the coal storage pile needed replacement.
54	Sediment trap	❑Yes ☑No	☑ Maintenance ❑ Repair ❑ Replacement	Sediment accumulation
55	Concrete swale	❑Yes ☑No	☑ Maintenance ❑ Repair ❑ Replacement	Sediment accumulation
56	Wheel washer	❑Yes ☑No	☑ Maintenance ❑ Repair ❑Replacement	Sediment accumulation
57	Riprap in channel and slopes	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Heavy Equipment Maintenance Shop				
61	Floor grating	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
62	Oil / Water Separator	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
63	Used oil storage tank and drums secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
64	Recyclable metals roll-off container cover	❑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	

ID.	Structural Control Measure	Control Measure is Operating Effectively?	If No, In Need of Maintenance, Repair, or Replacement?	Corrective Action Needed and Notes (identify needed maintenance and repairs, or any failed control measures that need replacement)
Warehouse / Urea Storage Building				
65	Access road gravel cover	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
66	Earthen berm on west side	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
67	Low wall on north side	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
68	Trapezoidal swale	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Open Area West of Cooling Tower				
69	Gravel cover	❑Yes ☑No	❑ Maintenance ☑ Repair ❑ Replacement	
70	Slope liners	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Cooling Tower				
71	Secondary containment dike	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Water Treatment				
72	Sludge roll- off container inside clean grating	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
73	Soda ash silo secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
74	Acid / caustic tank truck unloading secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Access Road West of Power Plant				
75	Catch basin inserts	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
76	Curb inlet	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
77	Concrete berm w/ shallow gutter and curb inlet	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
78	Mercury control chemicals covered storage dike	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Storm Water Runoff Pond				
80	Concrete weir	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	

ID.	Structural Control Measure	Control Measure is Operating Effectively?	If No, In Need of Maintenance, Repair, or Replacement?	Corrective Action Needed and Notes (identify needed maintenance and repairs, or any failed control measures that need replacement)
81	Riprap channel	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
82	Sediment accumulation control	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
83	Chemicals secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Road North of Coal Pile Runoff Pond				
85	Coal pile runoff pond	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
86	Low wall	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
87	Riprap in channel and slopes	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
88	Concrete wall	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
89	Concrete beam	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
90	Box culvert	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
91	Sampling Point Outfall 003	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Marine Dock				
92	Collection manifold	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
93	Pier secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
94	Sampling Point Outfall 001	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
95	Conveyor TCI	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	

Areas of Industrial Materials or Activities exposed to stormwater

Below are some general areas that should be assessed during routine inspections. Customize this list as needed for the specific types of industrial materials or activities at your facility.

	Area/Activity	Controls Adequate (appropriate, effective, and operating)?	Corrective Action Needed or Completed and Notes
1	Material loading/unloading and storage areas (Agremax, limestone, coal storage)	☑Yes ❑No ❑ N/A	
2	Heavy equipment operations and maintenance areas	☑Yes ❑No ❑ N/A	
3	Fueling areas (heavy equipment fueling and storage tank unloading)	☑Yes ❑No ❑ N/A	
4	Outdoor vehicle and equipment washing areas	☑Yes ❑No ❑ N/A	
5	Waste handling and disposal areas	☑Yes ❑No ❑ N/A	
6	Erodible stockpiles (coal, Agremax)	☑Yes ❑No ❑ N/A	
7	Non-stormwater/ illicit connections	❑Yes ❑No ☑ N/A	
8	Dust generation and vehicle tracking	☑Yes ❑No ❑ N/A	
9	Water Treatment Area	☑Yes ❑No ❑ N/A	
10	Power Block Area	☑Yes ❑No ❑ N/A	
11	Administration Building Area	☑Yes ❑No ❑ N/A	
12	2 Million- gallon and 18 Million-gallon Pond Area	☑Yes ❑No ❑ N/A	
13	Marine Dock Area	☑Yes ❑No ❑ N/A	
14	Stormwater Sample Point 001	☑Yes ❑No ❑ N/A	
15	Stormwater Sample Point 002	☑Yes ❑No ❑ N/A	
16	Stormwater Sample Point 003	☑Yes ❑No ❑ N/A	

	Area/Activity	**Controls Adequate (appropriate, effective, and operating)?**	**Corrective Action Needed or Completed and Notes**
17	Run-on storm water conveyance system	☑Yes ❑No ❑ N/A	
18	Run-off storm water conveyance system	☑Yes ❑No ❑ N/A	
19	Process water conveyance system	☑Yes ❑No ❑ N/A	
20	CDS/ESP Area	☑Yes ❑No ❑ N/A	
21	Polymer application at 2 MM-gallon pond area	☑Yes ❑No ❑ N/A	
22	18 MM-gallon Pond Transfer Pumps	☑Yes ❑No ❑ N/A	
23	Coal Crusher Building	☑Yes ❑No ❑ N/A	
24	Portable Toilets	☑Yes ❑No ❑ N/A	

Non-Compliance

Describe any incidents of non-compliance observed and not described above:

Additional Control Measures

Describe any additional control measures needed to comply with the permit requirements:

Notes

Use this space for any additional notes or observations from the inspection:

CERTIFICATION STATEMENT

"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."

Print name and title: Pedro E. Labayen / SW Compliance Coordinator

Signature: _____ **Date:** May 31, 2017

Storm Water Industrial Routine Facility Inspection Form — Worksheet No. 4

General Information			
Facility Name	AES Puerto Rico, LP		
NPDES Tracking No.	PRR053093		
Date of Inspection	March 23, 2017	**Start/End Time**	1:00 pm / 2:00 pm
Inspector's Name(s)	Pedro E. Labayen		
Inspector's Title(s)	Stormwater Compliance Coordinator		
Inspector's Contact Information	(787) 866-8117 ext. 2215		
Inspector's Qualifications	Professional Engineer		

Weather Information

Weather at time of this inspection?
☑ Clear ☐ Cloudy ☑ Rain ☐ Sleet ☐ Fog ☐ High Winds
☐ Other: Temperature: **80°F**

Have any previously unidentified discharges of pollutants occurred since the last inspection? ☐Yes ☑No
If yes, describe:

Are there any discharges occurring at the time of inspection? ☑Yes ☑No
If yes, describe: outfall 002 sample was taken

Control Measures

- *Number the structural stormwater control measures identified in your SWPPP on your site map and list them below (add as many control measures as are implemented on-site). Carry a copy of the numbered site map with you during your inspections. This list will ensure that you are inspecting all required control measures at your facility.*
- *Describe corrective actions initiated, date completed, and note the person that completed the work in the Corrective Action Log.*

ID.	Structural Control Measure	Control Measure is Operating Effectively?	If No, In Need of Maintenance, Repair, or Replacement?	Corrective Action Needed and Notes (identify needed maintenance and repairs, or any failed control measures that need replacement)
Run-on Control (Northeast Area)				
01	Earth berm	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
02	Concrete wall	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
03	Rip rap	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
04	Concrete swale	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
05	Run-on inlet grate	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
06	Polymer secondary containment	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	

ID.	Structural Control Measure	Control Measure is Operating Effectively?	If No, In Need of Maintenance, Repair, or Replacement?	Corrective Action Needed and Notes (identify needed maintenance and repairs, or any failed control measures that need replacement)
Firewater Pump station Area				
07	Diesel tank secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
08	Oil / Water Separator	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
East Access Road Area				
09	Concrete channel	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
10	Low wall	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
11	Concrete swale next to switch yard	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Liquid Urea Storage Area				
12	Low wall	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
13	Slope liner	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
14	Truck secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
15	Tank secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
16	Concrete berm	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
17	Concrete channel culvert inlet	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Oil Drums Storage				
18	Covered secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Ash Silos- spout				
19	Ash silos	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
20	Spout connection	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
21	Water spray nozzles	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	

ID.	Structural Control Measure	Control Measure is Operating Effectively?	If No, In Need of Maintenance, Repair, or Replacement?	Corrective Action Needed and Notes (identify needed maintenance and repairs, or any failed control measures that need replacement)
22	Water hose	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Diesel Fuel Storage				
23	Tank truck secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
24	Tanks secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
25	Drip pans for vehicle / equipment fueling	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
AGREMAX Stockpile				
26	Gabion wall	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
27	10 feet buffer zone	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
28	Low wall	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
32	Covered conveyors	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
35	Wheel wash	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
37	Concrete channel	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Gate #3				
39	Road grating (2)	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
40	Curb	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
41	Curb riprap	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
42	Slope liner	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
43	Outfall riprap	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	

ID.	Structural Control Measure	Control Measure is Operating Effectively?	If No, In Need of Maintenance, Repair, or Replacement?	Corrective Action Needed and Notes (identify needed maintenance and repairs, or any failed control measures that need replacement)
44	Sampling Point Outfall 002	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
45	Concrete wall	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
AGREMAX Stockpile Perimeter Road				
48	Gravel cover	❑Yes ☑No	☑ Maintenance ❑ Repair ❑ Replacement	Gravel cover has not been effective in controlling erosion at road located south of Agremax pile.
49	Concrete channel	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
50	Low wall	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
51	Run on outfall	❑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Coal Stockpile				
52	Runoff pond	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
53	Super silt fence	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
54	Sediment trap	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
55	Concrete swale	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
56	Wheel washer	☑Yes ❑No	❑ Maintenance ❑ Repair ❑Replacement	~~The silt fence installed at the heavy equipment washing area was replaced~~.
57	Riprap in channel and slopes	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Heavy Equipment Maintenance Shop				
61	Floor grating	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
62	Oil / Water Separator	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
63	Used oil storage tank and drums secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
64	Recyclable metals roll-off container cover	❑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	

ID.	Structural Control Measure	Control Measure is Operating Effectively?	If No, In Need of Maintenance, Repair, or Replacement?	Corrective Action Needed and Notes (identify needed maintenance and repairs, or any failed control measures that need replacement)
Warehouse / Urea Storage Building				
65	Access road gravel cover	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
66	Earthen berm on west side	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
67	Low wall on north side	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
68	Trapezoidal swale	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Open Area West of Cooling Tower				
69	Gravel cover	❑Yes ☑No	☑ Maintenance ❑ Repair ❑ Replacement	
70	Slope liners	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Cooling Tower				
71	Secondary containment dike	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Water Treatment				
72	Sludge roll- off container inside clean grating	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
73	Soda ash silo secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
74	Acid / caustic tank truck unloading secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Access Road West of Power Plant				
75	Catch basin inserts	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
76	Curb inlet	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
77	Concrete berm w/ shallow gutter and curb inlet	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
78	Mercury control chemicals covered storage dike	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Storm Water Runoff Pond				
80	Concrete weir	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	

ID.	Structural Control Measure	Control Measure is Operating Effectively?	If No, In Need of Maintenance, Repair, or Replacement?	Corrective Action Needed and Notes (identify needed maintenance and repairs, or any failed control measures that need replacement)
81	Riprap channel	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
82	Sediment accumulation control	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
83	Chemicals secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Road North of Coal Pile Runoff Pond				
85	Coal pile runoff pond	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
86	Low wall	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
87	Riprap in channel and slopes	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
88	Concrete wall	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
89	Concrete beam	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
90	Box culvert	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
91	Sampling Point Outfall 003	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Marine Dock				
92	Collection manifold	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
93	Pier secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
94	Sampling Point Outfall 001	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
95	Conveyor TCI	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	

Areas of Industrial Materials or Activities exposed to stormwater

Below are some general areas that should be assessed during routine inspections. Customize this list as needed for the specific types of industrial materials or activities at your facility.

	Area/Activity	Controls Adequate (appropriate, effective, and operating)?	Corrective Action Needed or Completed and Notes
1	Material loading/unloading and storage areas (Agremax, limestone, coal storage)	☑Yes ❑No ❑ N/A	
2	Heavy equipment operations and maintenance areas	☑Yes ❑No ❑ N/A	
3	Fueling areas (heavy equipment fueling and storage tank unloading)	☑Yes ❑No ❑ N/A	
4	Outdoor vehicle and equipment washing areas	☑Yes ❑No ❑ N/A	
5	Waste handling and disposal areas	☑Yes ❑No ❑ N/A	
6	Erodible stockpiles (coal, Agremax)	☑Yes ❑No ❑ N/A	
7	Non-stormwater/ illicit connections	❑Yes ❑No ☑ N/A	
8	Dust generation and vehicle tracking	☑Yes ❑No ❑ N/A	
9	Water Treatment Area	☑Yes ❑No ❑ N/A	
10	Power Block Area	☑Yes ❑No ❑ N/A	
11	Administration Building Area	☑Yes ❑No ❑ N/A	
12	2 Million- gallon and 18 Million-gallon Pond Area	☑Yes ❑No ❑ N/A	
13	Marine Dock Area	☑Yes ❑No ❑ N/A	
14	Stormwater Sample Point 001	☑Yes ❑No ❑ N/A	
15	Stormwater Sample Point 002	❑Yes ☑No ❑ N/A	A diversion system will be constructed as an additional erosion control at that drainage area.

	Area/Activity	**Controls Adequate (appropriate, effective, and operating)?**	**Corrective Action Needed or Completed and Notes**
16	Stormwater Sample Point 003	☑Yes ❑No ❑ N/A	
17	Run-on storm water conveyance system	☑Yes ❑No ❑ N/A	
18	Run-off storm water conveyance system	☑Yes ❑No ❑ N/A	
19	Process water conveyance system	☑Yes ❑No ❑ N/A	
20	CDS/ESP Area	☑Yes ❑No ❑ N/A	
21	Polymer application at 2 MM-gallon pond area	☑Yes ❑No ❑ N/A	
22	18 MM-gallon Pond Transfer Pumps	☑Yes ❑No ❑ N/A	
23	Coal Crusher Building	☑Yes ❑No ❑ N/A	
24	Portable Toilets	☑Yes ❑No ❑ N/A	

Non-Compliance

Describe any incidents of non-compliance observed and not described above:

Additional Control Measures

Describe any additional control measures needed to comply with the permit requirements:

An evaluation of the storm water drainage has been performed in order to reduce potential sedimentation at outfall 002. A diversion system has been proposed in order to address erosion potential from the road located south from the Agremax pile.

Notes

Use this space for any additional notes or observations from the inspection:

CERTIFICATION STATEMENT

"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."

Print name and title: Pedro E. Lebayn / SWO Compliance Coordinator

Signature: Pedro E. Lebayn **Date:** March 23, 2017

Storm Water Industrial Routine Facility Inspection Form

Worksheet No. 4

General Information			
Facility Name	AES Puerto Rico, LP		
NPDES Tracking No.	PRR053093		
Date of Inspection	March 14, 2017	**Start/End Time**	9:00 am / 11:00 am
Inspector's Name(s)	Pedro E. Labayen		
Inspector's Title(s)	Stormwater Compliance Coordinator		
Inspector's Contact Information	(787) 866-8117 ext. 2215		
Inspector's Qualifications	Professional Engineer		

Weather Information

Weather at time of this inspection?
☑ Clear ❑Cloudy ❑ Rain ❑ Sleet ❑ Fog ❑ High Winds
❑ Other: Temperature: ~~80°F~~

Have any previously unidentified discharges of pollutants occurred since the last inspection? ❑Yes ☑No
If yes, describe:

Are there any discharges occurring at the time of inspection? ❑Yes ☑No
If yes, describe:

Control Measures

- *Number the structural stormwater control measures identified in your SWPPP on your site map and list them below (add as many control measures as are implemented on-site). Carry a copy of the numbered site map with you during your inspections. This list will ensure that you are inspecting all required control measures at your facility.*
- *Describe corrective actions initiated, date completed, and note the person that completed the work in the Corrective Action Log.*

ID.	Structural Control Measure	Control Measure is Operating Effectively?	If No, In Need of Maintenance, Repair, or Replacement?	Corrective Action Needed and Notes (identify needed maintenance and repairs, or any failed control measures that need replacement)
Run-on Control (Northeast Area)				
01	Earth berm	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
02	Concrete wall	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
03	Rip rap	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
04	Concrete swale	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
05	Run-on inlet grate	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
06	Polymer secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	

ID.	Structural Control Measure	Control Measure is Operating Effectively?	If No, In Need of Maintenance, Repair, or Replacement?	Corrective Action Needed and Notes (identify needed maintenance and repairs, or any failed control measures that need replacement)
Firewater Pump station Area				
07	Diesel tank secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
08	Oil / Water Separator	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
East Access Road Area				
09	Concrete channel	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
10	Low wall	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
11	Concrete swale next to switch yard	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Liquid Urea Storage Area				
12	Low wall	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
13	Slope liner	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
14	Truck secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
15	Tank secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
16	Concrete berm	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
17	Concrete channel culvert inlet	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Oil Drums Storage				
18	Covered secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	Used oils were removed by an authorized external company (Olein) for recycling.
Ash Silos- spout				
19	Ash silos	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
20	Spout connection	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
21	Water spray nozzles	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	

ID.	Structural Control Measure	Control Measure is Operating Effectively?	If No, In Need of Maintenance, Repair, or Replacement?	Corrective Action Needed and Notes (identify needed maintenance and repairs, or any failed control measures that need replacement)
22	Water hose	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
			Diesel Fuel Storage	
23	Tank truck secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
24	Tanks secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
25	Drip pans for vehicle / equipment fueling	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
			AGREMAX Stockpile	
26	Gabion wall	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
27	10 feet buffer zone	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
28	Low wall	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
32	Covered conveyors	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
35	Wheel wash	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	The wheel wash station has been out of service since agremax transportation was suspended.
37	Concrete channel	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
			Gate #3	
39	Road grating (2)	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	An evaluation of the storm water drainage has been performed in order to reduce potential sedimentation at outfall 002.
40	Curb	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
41	Curb riprap	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
42	Slope liner	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
43	Outfall riprap	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	

ID.	Structural Control Measure	Control Measure is Operating Effectively?	If No, In Need of Maintenance, Repair, or Replacement?	Corrective Action Needed and Notes (identify needed maintenance and repairs, or any failed control measures that need replacement)
44	Sampling Point Outfall 002	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
45	Concrete wall	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
AGREMAX Stockpile Perimeter Road				
48	Gravel cover	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
49	Concrete channel	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
50	Low wall	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
51	Run on outfall	❑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Coal Stockpile				
52	Runoff pond	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
53	Super silt fence	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
54	Sediment trap	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
55	Concrete swale	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
56	Wheel washer	☑Yes ❑No	❑ Maintenance ❑ Repair ❑Replacement	The silt fence installed at the heavy equipment washing area was replaced.
57	Riprap in channel and slopes	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Heavy Equipment Maintenance Shop				
61	Floor grating	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
62	Oil / Water Separator	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
63	Used oil storage tank and drums secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
64	Recyclable metals roll-off container cover	❑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	

ID.	Structural Control Measure	Control Measure is Operating Effectively?	If No, In Need of Maintenance, Repair, or Replacement?	Corrective Action Needed and Notes (identify needed maintenance and repairs, or any failed control measures that need replacement)
Warehouse / Urea Storage Building				
65	Access road gravel cover	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
66	Earthen berm on west side	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
67	Low wall on north side	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
68	Trapezoidal swale	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Open Area West of Cooling Tower				
69	Gravel cover	❑Yes ☑No	❑ Maintenance ☑ Repair ❑ Replacement	
70	Slope liners	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Cooling Tower				
71	Secondary containment dike	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Water Treatment				
72	Sludge roll- off container inside clean grating	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
73	Soda ash silo secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
74	Acid / caustic tank truck unloading secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Access Road West of Power Plant				
75	Catch basin inserts	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
76	Curb inlet	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
77	Concrete berm w/ shallow gutter and curb inlet	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
78	Mercury control chemicals covered storage dike	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Storm Water Runoff Pond				
80	Concrete weir	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	

ID.	Structural Control Measure	Control Measure is Operating Effectively?	If No, In Need of Maintenance, Repair, or Replacement?	Corrective Action Needed and Notes (identify needed maintenance and repairs, or any failed control measures that need replacement)
81	Riprap channel	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
82	Sediment accumulation control	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
83	Chemicals secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Road North of Coal Pile Runoff Pond				
85	Coal pile runoff pond	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
86	Low wall	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
87	Riprap in channel and slopes	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
88	Concrete wall	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
89	Concrete beam	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
90	Box culvert	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
91	Sampling Point Outfall 003	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Marine Dock				
92	Collection manifold	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
93	Pier secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
94	Sampling Point Outfall 001	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
95	Conveyor TCI	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	

Areas of Industrial Materials or Activities exposed to stormwater

Below are some general areas that should be assessed during routine inspections. Customize this list as needed for the specific types of industrial materials or activities at your facility.

	Area/Activity	Controls Adequate (appropriate, effective, and operating)?	Corrective Action Needed or Completed and Notes
1	Material loading/unloading and storage areas (Agremax, limestone, coal storage)	☑Yes ❑No ❑ N/A	
2	Heavy equipment operations and maintenance areas	☑Yes ❑No ❑ N/A	
3	Fueling areas (heavy equipment fueling and storage tank unloading)	☑Yes ❑No ❑ N/A	
4	Outdoor vehicle and equipment washing areas	☑Yes ❑No ❑ N/A	
5	Waste handling and disposal areas	☑Yes ❑No ❑ N/A	
6	Erodible stockpiles (coal, Agremax)	☑Yes ❑No ❑ N/A	
7	Non-stormwater/ illicit connections	❑Yes ❑No ☑ N/A	
8	Dust generation and vehicle tracking	☑Yes ❑No ❑ N/A	
9	Water Treatment Area	☑Yes ❑No ❑ N/A	
10	Power Block Area	☑Yes ❑No ❑ N/A	
11	Administration Building Area	☑Yes ❑No ❑ N/A	
12	2 Million- gallon and 18 Million-gallon Pond Area	☑Yes ❑No ❑ N/A	
13	Marine Dock Area	☑Yes ❑No ❑ N/A	
14	Stormwater Sample Point 001	☑Yes ❑No ❑ N/A	
15	Stormwater Sample Point 002	☑Yes ❑No ❑ N/A	
16	Stormwater Sample Point 003	☑Yes ❑No ❑ N/A	

	Area/Activity	**Controls Adequate (appropriate, effective, and operating)?**	**Corrective Action Needed or Completed and Notes**
17	Run-on storm water conveyance system	☑Yes ❑No ❑ N/A	
18	Run-off storm water conveyance system	☑Yes ❑No ❑ N/A	
19	Process water conveyance system	☑Yes ❑No ❑ N/A	
20	CDS/ESP Area	☑Yes ❑No ❑ N/A	
21	Polymer application at 2 MM-gallon pond area	☑Yes ❑No ❑ N/A	
22	18 MM-gallon Pond Transfer Pumps	☑Yes ❑No ❑ N/A	
23	Coal Crusher Building	☑Yes ❑No ❑ N/A	
24	Portable Toilets	☑Yes ❑No ❑ N/A	

Non-Compliance

Describe any incidents of non-compliance observed and not described above:

Additional Control Measures

Describe any additional control measures needed to comply with the permit requirements:

Notes

Use this space for any additional notes or observations from the inspection:

CERTIFICATION STATEMENT

"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."

Print name and title: Pedro E. Labayen / SW Compliance Coordinator

Signature: Pedro E. Labayen **Date:** March 14, 2017

MSGP Quarterly Visual Assessment Form

Worksheet No. 6

(Complete a separate form for each outfall you assess)

Name of Facility: **AES Puerto Rico, L.P.** NPDES Tracking No. PRR053093

Outfall Name: **001** "Substantially Identical Outfall"? ☒ No ☐ Yes

Person(s)/Title(s) collecting sample: **Pedro E. Labayen**

Person(s)/Title(s) examining sample: **Pedro E. Labayen / Storm Water Compliance Coordinator**

Date & Time Discharge Began: **(4/26/18 5:10 pm)** Date & Time Sample Collected: **(4/26/18 5:40 pm)** Date & Time Sample Examined: **(4/26/18 6:10 pm)**

Substitute Sample? ☒ No ☐ Yes (identify quarter/year when sample was originally scheduled to be collected):

Nature of Discharge: ☒ Rainfall ☐ Snowmelt

If rainfall: Rainfall Amount: **0.13 inches** Previous Storm Ended > 72 hours Before Start of This Storm? ☒ Yes ☐ No*

Parameter

Color ☒ None ☐ Other (describe):

Odor ☒ None ☐ Musty ☐ Sewage ☐ Sulfur ☐ Sour ☐ Petroleum/Gas _____ ☐ Solvents ☐ Other (describe):

Clarity ☐ Clear ☐ Slightly Cloudy ☐ Cloudy ☒ Opaque ☐ Other

Floating Solids ☒ No ☐ Yes (describe):

Settled Solids** ☐ No ☒ Yes Particulate matter observed after 30 min. Soil matter from the entrance road was observed on the dock area.

Suspended Solids ☒ No ☐ Yes (describe):

Foam (gently shake sample) ☒ No ☐ Yes (describe):

Oil Sheen ☒ None ☐ Flecks ☐ Globs ☐ Sheen ☐ Slick ☐ Other (describe):

Other Obvious Indicators of Stormwater Pollution ☒ No ☐ Yes (describe):

Sampling not performed due to no measurable storm event occurring that resulted in a discharge during the monitoring quarter:

☒ No ☐ Yes (describe):

* The 72-hour interval can be waived when the previous storm did not yield a measurable discharge or if you are able to document (attach applicable documentation) that less than a 72-hour interval is representative of local storm events during the sampling period.

** Observe for settled solids after allowing the sample to sit for approximately one-half hour.

Detail any concerns, additional comments, descriptions of pictures taken, and any corrective actions taken below (attach additional sheets as necessary). A section of the road that access the dock area was damage by coastal erosion generated during Hurricane Maria. This limited the use of heavy equipment routinely used for housekeeping in that area. Reparation should be completed at the end of April 2018. Housekeeping activities will be reinitiated immediately once the road is safe.

Certification by Facility Responsible Official (Refer to MSGP Subpart 11 Appendix B for Signatory Requirements)

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.

A. Name: Pedro E. Labayen B. Title: Storm Water Compliance Coordinator

C. Signature: Pedro E. Labayen D. Date Signed: 4/26/2018

MSGP Quarterly Visual Assessment Form

Worksheet No. 6

(Complete a separate form for each outfall you assess)

Name of Facility: **AES Puerto Rico, L.P.** NPDES Tracking No. **PRR053093**

Outfall Name: **002** "Substantially Identical Outfall"? ☒ No ☐ Yes

Person(s)/Title(s) collecting sample: **Pedro E. Labayen**

Person(s)/Title(s) examining sample: **Pedro E. Labayen / Storm Water Compliance Coordinator**

Date & Time Discharge Began: **4/26/18 (5:30 pm)** Date & Time Sample Collected: **4/26/18 (5:45 pm)** Date & Time Sample Examined: **4/26/18 (6:15 pm)**

Substitute Sample? ☒ No ☐ Yes (identify quarter/year when sample was originally scheduled to be collected):

Nature of Discharge: ☒ Rainfall ☐ Snowmelt

If rainfall: Rainfall Amount: 0.13 **inch** Previous Storm Ended > 72 hours Before Start of This Storm? ☒ Yes ☐ No*

Parameter

Color ☒ None ☐ Other (describe):

Odor ☒ None ☐ Musty ☐ Sewage ☐ Sulfur ☐ Sour ☐ Petroleum/Gas _____ ☐ Solvents ☐ Other (describe):

Clarity ☐ Clear ☒ Slightly Cloudy ☐ Cloudy ☐ Opaque ☐ Other

Floating Solids ☒ No ☐ Yes (describe):

Settled Solids** ☒ No ☐ Yes

Suspended Solids ☒ No ☐ Yes (describe):

ı (gently shake sample) ☒ No ☐ Yes (describe):

Oil Sheen ☒ None ☐ Flecks ☐ Globs ☐ Sheen ☐ Slick ☐ Other (describe):

Other Obvious Indicators of Stormwater Pollution ☒ No ☐ Yes (describe):

Sampling not performed due to no measurable storm event occurring that resulted in a discharge during the monitoring quarter:

☒ No ☐ Yes (describe):

* The 72-hour interval can be waived when the previous storm did not yield a measurable discharge or if you are able to document (attach applicable documentation) that less than a 72-hour interval is representative of local storm events during the sampling period.

** Observe for settled solids after allowing the sample to sit for approximately one-half hour.

Detail any concerns, additional comments, descriptions of pictures taken, and any corrective actions taken below (attach additional sheets as necessary).

Certification by Facility Responsible Official (Refer to MSGP Subpart 11 Appendix B for Signatory Requirements)

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.

A. Name: Pedro E. Labayen B. Title: Storm Water Compliance Coordinator

C. Signature: Pedro E. Labayen D. Date Signed: 4/26/2018

MSGP Quarterly Visual Assessment Form

Worksheet No. 6

(Complete a separate form for each outfall you assess)

Name of Facility: **AES Puerto Rico, L.P.** NPDES Tracking No. **PRR053093**

Outfall Name: **003** "Substantially Identical Outfall"? ☒ No ☐ Yes

Person(s)/Title(s) collecting sample: **Pedro E. Labayen**

Person(s)/Title(s) examining sample: **Pedro E. Labayen / Storm Water Compliance Coordinator**

Date & Time Discharge Began: **4/26/17 (5:30 pm)** Date & Time Sample Collected: **4/26/17 (6:00 pm)** Date & Time Sample Examined: **4/26/18 (6:30 pm)**

Substitute Sample? ☒ No ☐ Yes (identify quarter/year when sample was originally scheduled to be collected):

Nature of Discharge: ☒ Rainfall ☐ Snowmelt

If rainfall: Rainfall Amount: 0.13 **inch** Previous Storm Ended > 72 hours Before Start of This Storm? ☒ Yes ☐ No*

Parameter

Color ☐ None ☒ Other Tannins (clear yellow) - Organic matter generated by vegetative material residue.

Odor ☒ None ☐ Musty ☐ Sewage ☐ Sulfur ☐ Sour ☐ Petroleum/Gas _____
☐ Solvents ☐ Other (describe):

Clarity ☒ Clear ☐ Slightly Cloudy ☐ Cloudy ☐ Opaque ☐ Other

Floating Solids ☒ No ☐ Yes (describe):

Settled Solids** ☒ No ☐ Yes

Suspended Solids ☒ No ☐ Yes (describe):

n (gently shake sample) ☒ No ☐ Yes (describe):

Oil Sheen ☒ None ☐ Flecks ☐ Globs ☐ Sheen ☐ Slick
☐ Other (describe):

Other Obvious Indicators of Stormwater Pollution ☒ No ☐ Yes (describe):

Sampling not performed due to no measurable storm event occurring that resulted in a discharge during the monitoring quarter:

☒ No ☐ Yes (describe):

* The 72-hour interval can be waived when the previous storm did not yield a measurable discharge or if you are able to document (attach applicable documentation) that less than a 72-hour interval is representative of local storm events during the sampling period.

** Observe for settled solids after allowing the sample to sit for approximately one-half hour.

Detail any concerns, additional comments, descriptions of pictures taken, and any corrective actions taken below (attach additional sheets as necessary).

Certification by Facility Responsible Official (Refer to MSGP Subpart 11 Appendix B for Signatory Requirements)

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A. Name: Pedro E. Labayen B. Title: Storm Water Compliance Coordinator

C. Signature: Pedro E. Labayen D. Date Signed: 4/26/2018

AES Puerto Rico
Discharge Monitoring Reports
Year 2016

Quarter	Period	*Outfall 001*				*Outfall 002*				*Outfall 003*			
		Total Fe (mg/l)	Total Al (mg/l)	Total Pb (mg/l)	Total Zn (mg/l)	Total Fe (mg/l)	Total Al (mg/l)	Total Pb (mg/l)	Total Zn (mg/l)	Total Fe (mg/l)	Total Al (mg/l)	Total Pb (mg/l)	Total Zn (mg/l)
1	*ENE-MAR 2016*	1.18	1.52	0.002	0.089	14	17.1	0.005	0.113	0.305	0.208	0.002	0.022
2	*ABR-JUN 2016*	0.733	0.682	0.002	0.09	4.69	8.3	0.002	0.064	0.186	0.205	0.002	0.036
3	*JUL-SEP 2016*	na	na	na	na	0.222	0.254	0.004	0.02	0.337	0.427	0.002	0.061
4	*OCT-DEC 2016*	0.776	1.13	0.002	0.287	0.22	0.207	0.002	0.038	0.188	0.242	0.002	0.034
Quarterly AVERAGE		0.9	1.111	0.002	0.155	4.783	6.465	0.003	0.059	0.254	0.271	0.002	0.038
Benchmark Concentration		1.0	0.75	0.262	0.260	1.0	0.75	0.262	0.260	1.0	0.75	0.262	0.260

ND = No Discharge

1) Training SWPPP ✓
2) Training Dust Control ✓
3) Annual Report - January 2017 ✓
4) 2018 Quarterly Visual.
5) Rain data 01/18 @ 03/18 ✓

AES Puerto Rico
Discharge Monitoring Reports
Year 2017

Quarter	Period	*Outfall 001* Total Fe (mg/l)	*Outfall 002* Total Fe (mg/l)	OC3 Fe mg/l
1	*ENE-MAR 2016*	1.18	14	.305
2	*ABR-JUN 2016*	0.733	4.69	.186
3	*JUL-SEP 2016*	G 1.08 Avg.	0.222 /.490	.337
4	*OCT-DEC 2016*	0.776	0.222	.188
1	*ENE-MAR 2017*	1.64	12.8	
2	*ABR-JUN 2017*	0.322	1.88	
3	*JUL-SEP 2017*	NA	2.51	
4	*OCT-DEC 2017*	NA	0.063	
Quarterly AVERAGE		1.08	0.063	
Benchmark Concentration		1.0	1.0	

Citras

ND = No Discharge
G = Sampling Equipment Failure (sample not taken)

May 17, 2018
↓
0.593 mg/L

Jan-March 2018
No discharge

sample not taken

Value met benchmark
AES discontinued sampling at 001

Sampling Equipment under repair } damage due to Maria

Manual sampling at 002

BECKTON ENVIRONMENTAL

LABORATORIES, INC.

ACCREDITED IN ACCORDANCE WITH nelac

REPORT OF ANALYSIS

ATTENTION: Mr. Héctor Ávila
COMPANY: AES Puerto Rico - Guayama

DATE: March 7, 2016

CONTRACT: AES – Guayama

LAB. SAMPLE ID: BEL-1600573
SAMPLE COLLECTED BY: Client (P. Labayen)
DATE RECEIVED: 02/22/16

SAMPLE DATE: 02/19/16
TIME: 4:10 PM

DESCRIPTION: Stormwater 001
LAB. FILE ID: 1600573
MATRIX: Water (Storm Water)

PARAMETER	EPA METHOD	SAMPLE TYPE	UNITS	BEL-1600573 RESULT	METHOD DETECTION LIMIT	ANALYST	DATE ANALYZED
Aluminum	200.7(ICAP)	Grab	mg/L	1.52	0.005	BTR	03/02/16
Iron	200.7(ICAP)	Grab	mg/L	1.18	0.010	BTR	03/02/16
Lead	200.7(ICAP)	Grab	mg/L	<0.002	0.002	BTR	03/01/16
Zinc	200.7(ICAP)	Grab	mg/L	0.089	0.002	BTR	03/01/16

*Standard Methods for the Examination of Water and Waste Water 20th Edition, 1999.

Method Detection Limit (MDL)-The minimum concentration of a substance that can be measured and reported with 99% confidence that the value is above zero.

Certification and release of the data contained in the Report of Analysis has been authorized by the Laboratory Manager or the Manager's Designee. Sample results related only to the sample submitted.

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Iris M. Chévere Alfonzo
Lic. # 2370
QUIMICO LICENCIADO

Lcda. Iris M. Chévere Alfonzo
Laboratory Director
Chemist License 2370

A 1569984

Attachment: Chain of Custody Records (1)

THE NELAC CERTIFIED ANALYSES MEET ALL REQUIREMENTS OF NELAC STANDARDS.
REFER OUR SERVICE DEPARTMENT FOR THE CURRENT LIST OF CERTIFIED ANALYSES.
CERTIFIED BY THE STATE OF FLORIDA DEPARTMENT OF HEALTH AND REHABILITATION SERVICES FOR ENVIRONMENTAL TESTING
• CERTIFICATION NUMBER E87556 •
192 VILLA STREET • PONCE, PR 00730-4875 • TEL. (787) 841-7373 • FAX (787) 841-7313

BECKTON ENVIRONMENTAL LABORATORIES
192 Villa Street • Ponce, P.R. 00730-4875
Tel. **787-841-7373** • Fax **787-841-7313**

REVISION 2009

CHAIN OF CUSTODY RECORD

PROYECT NO.	COMPANY	SAMPLER
	AES Guayama	x Pedro E. Labayen

SAMPLE LOCATION/CLIENT ID	Storm Water	TIME	4:10 AM (PM)	CONTROL NO.
SAMPLE DATE	2/19/16	BEL. NO.	1600573	186841

1. General Environmental:		PC	VSS		PC
Acidity	( )	___	Alkalinity	( )	___
Ammonia as N	( )	___	Bicarbonate	( )	___
BOD-5	( )	___	Bromide	( )	___
Chloride	( )	___	Chlorine, Res.	( )	___
COD	( )	___	Color (ADMI)	( )	___
Conductivity µmhos/cm	( )	___	Color (Pt-Co)	( )	___
Dissolved Oxygen	( )	___	Cyanide	( )	___
Hardness	( )	___	Fluoride	( )	___
Moisture %	( )	___	Iodide	( )	___
Nitrite	( )	___	Nitrate	( )	___
Oil+Grease	( )	___	Nitrate + Nitrite	( )	___
Phenol	( )	___	pH, S.U.	( )	___
Phosphorus, Total	( )	___	Phosphate, Ortho	( )	___
Sett Solids mg/L	( )	___	Sett. Solids mL/L	( )	___
Sulfate	( )	___	Solids, Total	( )	___
Sulfite	( )	___	Sulfide	( )	___
TDS	( )	___	Surfactant	( )	___
Temperature, °C	( )	___	TSS	( )	___
TOC	( )	___	TKN	( )	___
Asbestos	( )	___	Turbidity	( )	___
TVS	( )	___	Carbonate	( )	___
Total Nitrogen	( )	___			
2. Metals:					
Aluminum (Al)	(X)	1	Cadmium (Cd)	( )	___
Chromium (Cr)	( )	___	Copper (Cu)	( )	___
Iron (Fe)	(X)	1	Lead (Pb)	(X)	1
Manganese (Mn)	(X)	___	Mercury (Hg)	( )	___
Nickel (Ni)	( )	___	Selenium (Se)	( )	___
Silver (Ag)	( )	___	Tin (Sn)	( )	___
Zinc (Zn)	(X)	1	Arsenic (As)	( )	___
Barium (Ba)	( )	___	Boron (B)	( )	___
Antimony (Sb)	( )	___	Beryllium (Be)	( )	___
Bismuth (Bi)	( )	___	Calcium (Ca)	( )	___
Chromium, VI (CrVI)	( )	___	Cobalt (Co)	( )	___
Magnesium (Mg)	( )	___	Molybdenum (Mo)	( )	___
Potassium (K)	( )	___	Silicon (Si)	( )	___
Sodium (Na)	( )	___	Strontium (Sr)	( )	___
Thallium (Tl)	( )	___	Titanium (Ti)	( )	___
Vanadium (V)	( )	___	Lithium (Li)	( )	___
3. RCRA/Hazardous wastes					
Ignitability (Flash Pt.)	( )	___	Corrosivity	( )	___
Reactivity (CN & S)	( )	___	TCLP	( )	___
RCRA Metals	( )	___	Organics-Pest/Herb	( )	___
Organics-BNA	( )	___	Organics-VOA	( )	___
TOX	( )	___			
4. Specific Organics			Phenols GC	( )	___
Volatiles	( )	___	Semi-Volitiles (BNA)	( )	___
Pesticides/PCB's	( )	___	PCB's Only	( )	___
Herbicides	( )	___	TPH 418.1	( )	___
BTEX	( )	___	TTO	( )	___
TTO & Dioxin	( )	___	TPH 8015	( )	___
			Lindane	( )	___
5. Microbiology					
Fecal Coliform	( )	___	Total Coliform	( )	___

Comments: _____

Sampling Witness; _____
Date/Time: _____
Relinquished by: Pedro E. Labayen
Date/Time: 2/22/16 9:15 AM
Received by: Edgardo L Ruiz
Date/Time: 0915
Relinquished by:
Date/Time: 2/22/16 2:36 PM
Received by:
Date/Time: 2/22/16 2:36 PM
Relinquished by:
Date/Time: _____
Received by:
Date/Time: _____

Matrix

air	( )	water	(X)	sludge	( )
liquid	( )	soil	( )	solid	( )
oil	( )	mixed	( )	other	( )

Specify: Storm Water

Preservative Codes = PC

1. Cool, <6° C
2. Sulfuric Acid (H_2SO_4) pH<2
3. Nitric Acid (HNO_3), pH<2
4. Hydrochloric acid (HCl)
5. Sodium Thiosulfate
6. Sodium Hydroxide(NaOH)
7. Zinc Acetate
8. Ascorbic Acid
9. FAS
10. Other

Sample type legend:

grab samples x
composite samples xx

Turnaround time:

1 day ( )
2 days ( )
3 days ( )
5 days ( )

Sampling Equipment:

Automatic Sampler ( )
Sample Pick Up ( )

Note: normal turnaround time is ten (10) working days; additional charges apply for rush orders.

Original

BECKTON ENVIRONMENTAL

LABORATORIES, INC.

ACCREDITED IN ACCORDANCE WITH nelac

REPORT OF ANALYSIS

ATTENTION: Mr. Héctor Ávila
COMPANY: AES Puerto Rico - Guayama

DATE: March 7, 2016

CONTRACT: AES – Guayama

LAB. SAMPLE ID: BEL-1600574
SAMPLE COLLECTED BY: Client (P. Labayen)
DATE RECEIVED: 02/22/16

SAMPLE DATE: 02/19/16
TIME: 4:05 PM

DESCRIPTION: Stormwater 002
LAB. FILE ID: 1600574
MATRIX: Water (Storm Water)

PARAMETER	EPA METHOD	SAMPLE TYPE	UNITS	BEL-1600574 RESULT	METHOD DETECTION LIMIT	ANALYST	DATE ANALYZED
Aluminum	200.7(ICAP)	Grab	mg/L	17.1	0.005	BTR	03/02/16
Iron	200.7(ICAP)	Grab	mg/L	14.0	0.010	BTR	03/02/16
Lead	200.7(ICAP)	Grab	mg/L	0.005	0.002	BTR	03/01/16
Zinc	200.7(ICAP)	Grab	mg/L	0.113	0.002	BTR	03/01/16

*Standard Methods for the Examination of Water and Waste Water 20th Edition, 1999.

Method Detection Limit (MDL)-The minimum concentration of a substance that can be measured and reported with 99% confidence that the value is above zero.

Certification and release of the data contained in the Report of Analysis has been authorized by the Laboratory Manager or the Manager's Designee. Sample results related only to the sample submitted.

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Iris M. Chévere Alfonzo
Lic. # 2370
QUIMICO LICENCIADO

$1.00 A 1569985

Lcda. Iris M. Chévere Alfonzo
Laboratory Director
Chemist License 2370

Attachment: Chain of Custody Records (1)

THE NELAC CERTIFIED ANALYSES MEET ALL REQUIREMENTS OF NELAC STANDARDS.
REFER OUR SERVICE DEPARTMENT FOR THE CURRENT LIST OF CERTIFIED ANALYSES.
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BECKTON ENVIRONMENTAL LABORATORIES
192 Villa Street • Ponce, P.R. 00730-4875
Tel. 787-841-7373 • Fax 787-841-7313

REVISION 2009

CHAIN OF CUSTODY RECORD

PROYECT NO.	COMPANY	SAMPLER
	AES Guayama	Pedro E. Labayen

SAMPLE LOCATION/CLIENT ID	Storm Water 002	TIME	4:05 AM PM	CONTROL NO.
SAMPLE DATE	2/19/16	BEL. NO.	1600574	186842

1. General Environmental:		PC	VSS		PC
Acidity	( )		Alkalinity	( )	
Ammonia as N	( )		Bicarbonate	( )	
BOD-5	( )		Bromide	( )	
Chloride	( )		Chlorine, Res.	( )	
COD	( )		Color (ADMI)	( )	
Conductivity µmhos/cm	( )		Color (Pt-Co)	( )	
Dissolved Oxygen	( )		Cyanide	( )	
Hardness	( )		Fluoride	( )	
Moisture %	( )		Iodide	( )	
Nitrite	( )		Nitrate	( )	
Oil+Grease	( )		Nitrate + Nitrite	( )	
Phenol	( )		pH, S.U.	( )	
Phosphorus, Total	( )		Phosphate, Ortho	( )	
Sett Solids mg/L	( )		Sett. Solids mL/L	( )	
Sulfate	( )		Solids, Total	( )	
Sulfite	( )		Sulfide	( )	
TDS	( )		Surfactant	( )	
Temperature, °C	( )		TSS	( )	
TOC	( )		TKN	( )	
Asbestos	( )		Turbidity	( )	
TVS	( )		Carbonate	( )	
Total Nitrogen	( )				
2. Metals:					
Aluminum (Al)	(X)	1	Cadmium (Cd)	( )	
Chromium (Cr)	( )		Copper (Cu)	( )	
Iron (Fe)	(X)	1	Lead (Pb)	(X)	1
Manganese (Mn)	( )		Mercury (Hg)	( )	
Nickel (Ni)	( )		Selenium (Se)	( )	
Silver (Ag)	( )		Tin (Sn)	( )	
Zinc (Zn)	(X)	1	Arsenic (As)	( )	
Barium (Ba)	( )		Boron (B)	( )	
Antimony (Sb)	( )		Beryllium (Be)	( )	
Bismuth (Bi)	( )		Calcium (Ca)	( )	
Chromium, VI (CrVI)	( )		Cobalt (Co)	( )	
Magnesium (Mg)	( )		Molybdenum (Mo)	( )	
Potassium (K)	( )		Silicon (Si)	( )	
Sodium (Na)	( )		Strontium (Sr)	( )	
Thallium (Tl)	( )		Titanium (Ti)	( )	
Vanadium (V)	( )		Lithium (Li)	( )	
3. RCRA/Hazardous wastes					
Ignitability (Flash Pt.)	( )		Corrosivity	( )	
Reactivity (CN & S)	( )		TCLP	( )	
RCRA Metals	( )		Organics-Pest/Herb	( )	
Organics-BNA	( )		Organics-VOA	( )	
TOX	( )				
4. Specific Organics					
			Phenols GC	( )	
Volatiles	( )		Semi-Volitiles (BNA)	( )	
Pesticides/PCB's	( )		PCB's Only	( )	
Herbicides	( )		TPH 418.1	( )	
BTEX	( )		TTO	( )	
TTO & Dioxin	( )		TPH 8015	( )	
			Lindane	( )	
5. Microbiology					
Fecal Coliform	( )		Total Coliform	( )	

Comments:

Sampling Witness;
Date/Time:
Relinquished by: Pedro E. Labayen
Date/Time: 2/22/16 9:15 AM
Received by: Edgardo L Ruiz
Date/Time: 2/22/16 0915
Relinquished by:
Date/Time: 2/22/16 2:35pm
Received by:
Date/Time: 2/22/16 2:35pm
Relinquished by:
Date/Time:
Received by:
Date/Time:

Matrix

air	( )	water	(X)	sludge	( )
liquid	( )	soil	( )	solid	( )
oil	( )	mixed	( )	other	( )

Specify: Storm Water

Preservative Codes = PC

1. Cool, <6° C
2. Sulfuric Acid (H_2SO_4) pH<2
3. Nitric Acid (HNO_3), pH<2
4. Hydrochloric acid (HCl)
5. Sodium Thiosulfate
6. Sodium Hydroxide(NaOH)
7. Zinc Acetate
8. Ascorbic Acid
9. FAS
10. Other

Sample type legend:

grab samples x
composite samples xx

Turnaround time:

1 day ( )
2 days ( )
3 days ( )
5 days ( )

Sampling Equipment:

Automatic Sampler ( )
Sample Pick Up ( )

Note: normal turnaround time is ten (10) working days; additional charges apply for rush orders.

Original

BECKTON ENVIRONMENTAL

LABORATORIES, INC.

ACCREDITED IN ACCORDANCE WITH nelac

REPORT OF ANALYSIS

ATTENTION: Mr. Héctor Ávila
COMPANY: AES Puerto Rico - Guayama

DATE: March 7, 2016

CONTRACT: AES – Guayama

LAB. SAMPLE ID: BEL-1600575
SAMPLE COLLECTED BY: Client (P. Labayen)
DATE RECEIVED: 02/22/16

SAMPLE DATE: 02/19/16
TIME: 4:15 PM

DESCRIPTION: Stormwater 003
LAB. FILE ID: 1600575
MATRIX: Water (Storm Water)

PARAMETER	EPA METHOD	SAMPLE TYPE	UNITS	BEL-1600575 RESULT	METHOD DETECTION LIMIT	ANALYST	DATE ANALYZED
Aluminum	200.7(ICAP)	Grab	mg/L	0.208	0.005	BTR	03/02/16
Iron	200.7(ICAP)	Grab	mg/L	0.305	0.010	BTR	03/02/16
Lead	200.7(ICAP)	Grab	mg/L	<0.002	0.002	BTR	03/01/16
Zinc	200.7(ICAP)	Grab	mg/L	0.022	0.002	BTR	03/01/16

*Standard Methods for the Examination of Water and Waste Water 20th Edition, 1999.

Method Detection Limit (MDL)-The minimum concentration of a substance that can be measured and reported with 99% confidence that the value is above zero.

Certification and release of the data contained in the Report of Analysis has been authorized by the Laboratory Manager or the Manager's Designee. Sample results related only to the sample submitted.

ESTADO LIBRE ASOCIADO DE PUERTO RICO
Iris M. Chévere Alfonzo
Lic. # 2370
QUIMICO LICENCIADO

Lcda. Iris M. Chévere Alfonzo
Laboratory Director
Chemist License 2370

A 1569986

Attachment: Chain of Custody Records (1)

THE NELAC CERTIFIED ANALYSES MEET ALL REQUIREMENTS OF NELAC STANDARDS.
REFER OUR SERVICE DEPARTMENT FOR THE CURRENT LIST OF CERTIFIED ANALYSES.
CERTIFIED BY THE STATE OF FLORIDA DEPARTMENT OF HEALTH AND REHABILITATION SERVICES FOR ENVIRONMENTAL TESTING
• CERTIFICATION NUMBER E87556 •
192 VILLA STREET • PONCE, PR 00730-4875 • TEL. (787) 841-7373 • FAX (787) 841-7313

BECKTON ENVIRONMENTAL LABORATORIES
192 Villa Street • Ponce, P.R. 00730-4875
Tel. 787-841-7373 • Fax 787-841-7313

REVISION 2009

CHAIN OF CUSTODY RECORD

PROYECT NO.	COMPANY AES Guayama	SAMPLER x Pedro E. Labayen

SAMPLE LOCATION/CLIENT ID	Storm Waterors	TIME	4:15 AM (PM)	CONTROL NO.
SAMPLE DATE	2/19/16	BEL. NO.	16000575	185241

1. General Environmental:		PC	VSS		PC
Acidity	( )	___	Alkalinity	( )	___
Ammonia as N	( )	___	Bicarbonate	( )	___
BOD-5	( )	___	Bromide	( )	___
Chloride	( )	___	Chlorine, Res.	( )	___
COD	( )	___	Color (ADMI)	( )	___
Conductivity µmhos/cm	( )	___	Color (Pt-Co)	( )	___
Dissolved Oxygen	( )	___	Cyanide	( )	___
Hardness	( )	___	Fluoride	( )	___
Moisture %	( )	___	Iodide	( )	___
Nitrite	( )	___	Nitrate	( )	___
Oil+Grease	( )	___	Nitrate + Nitrite	( )	___
Phenol	( )	___	pH, S.U.	( )	___
Phosphorus, Total	( )	___	Phosphate, Ortho	( )	___
Sett Solids mg/L	( )	___	Sett. Solids mL/L	( )	___
Sulfate	( )	___	Solids, Total	( )	___
Sulfite	( )	___	Sulfide	( )	___
TDS	( )	___	Surfactant	( )	___
Temperature, °C	( )	___	TSS	( )	___
TOC	( )	___	TKN	( )	___
Asbestos	( )	___	Turbidity	( )	___
TVS	( )	___	Carbonate	( )	___
Total Nitrogen	( )	___			
2. Metals:					
Aluminum (Al)	(X)	1	Cadmium (Cd)	( )	___
Chromium (Cr)	( )	___	Copper (Cu)	( )	___
Iron (Fe)	(X)	1	Lead (Pb)	(X)	1
Manganese (Mn)	( )	___	Mercury (Hg)	( )	___
Nickel (Ni)	( )	___	Selenium (Se)	( )	___
Silver (Ag)	( )	___	Tin (Sn)	( )	___
Zinc (Zn)	(X)	1	Arsenic (As)	( )	___
Barium (Ba)	( )	___	Boron (B)	( )	___
Antimony (Sb)	( )	___	Beryllium (Be)	( )	___
Bismuth (Bi)	( )	___	Calcium (Ca)	( )	___
Chromium, VI (CrVI)	( )	___	Cobalt (Co)	( )	___
Magnesium (Mg)	( )	___	Molybdenum (Mo)	( )	___
Potassium (K)	( )	___	Silicon (Si)	( )	___
Sodium (Na)	( )	___	Strontium (Sr)	( )	___
Thallium (Tl)	( )	___	Titanium (Ti)	( )	___
Vanadium (V)	( )	___	Lithium (Li)	( )	___
3. RCRA/Hazardous wastes					
Ignitability (Flash Pt.)	( )	___	Corrosivity	( )	___
Reactivity (CN & S)	( )	___	TCLP	( )	___
RCRA Metals	( )	___	Organics-Pest/Herb	( )	___
Organics-BNA	( )	___	Organics-VOA	( )	___
TOX	( )	___			
4. Specific Organics			Phenols GC	( )	___
Volatiles	( )	___	Semi-Volitiles (BNA)	( )	___
Pesticides/PCB's	( )	___	PCB's Only	( )	___
Herbicides	( )	___	TPH 418.1	( )	___
BTEX	( )	___	TTO	( )	___
TTO & Dioxin	( )	___	TPH 8015	( )	___
			Lindane	( )	___
5. Microbiology					
Fecal Coliform	( )	___	Total Coliform	( )	___

Comments: _____

Sampling Witness; _____
Date/Time: _____
Relinquished by: Pedro E. Labayen
Date/Time: 2/22/16 9:15 AM
Received by: Edgardo L. Ruiz
Date/Time: 2/22/16 0915
Relinquished by: Edgardo L. R
Date/Time: 2/22/16 2:30 pm
Received by: Alex Rosa
Date/Time: 2/22/16 2:30 pm
Relinquished by: _____
Date/Time: _____
Received by: _____
Date/Time: _____

Matrix

air	( )	water	(X)	sludge	( )
liquid	( )	soil	( )	solid	( )
oil	( )	mixed	( )	other	( )

Specify: Storm Water

Preservative Codes = PC

1. Cool, <6° C
2. Sulfuric Acid (H_2SO_4) pH<2
3. Nitric Acid (HNO_3), pH<2
4. Hydrochloric acid (HCl)
5. Sodium Thiosulfate
6. Sodium Hydroxide(NaOH)
7. Zinc Acetate
8. Ascorbic Acid
9. FAS
10. Other

Sample type legend:

grab samples x
composite samples xx

Turnaround time:

1 day ( )
2 days ( )
3 days ( )
5 days ( )

Sampling Equipment:

Automatic Sampler ( )
Sample Pick Up ( )

Note: normal turnaround time is ten (10) working days; additional charges apply for rush orders.

Original

DMR Copy of Record

Permit

Permit #:	**PRR053093**	**Permittee:**	AES PUERTO RICO, LP	**Facility:**	AES PUERTO RICO, L.P.
Major:	No	**Permittee Address:**	Road #3 km. 142 Jobos Ward Guayama, PR 00784	**Facility Location:**	ROAD #3 KM. 142 JOBOS WARD GUAYAMA, PR 00784
Permitted Feature:	001 External Outfall	**Discharge:**	**001-Q1** Water Transportation Facilities		

Report Dates & Status

Monitoring Period:	**From 01/01/16 to 03/31/16**	**DMR Due Date:**	**04/30/16**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Manuel	**Title:**	Plant Manager	**Telephone:**	787-866-8117
Last Name:	Mata				

No Data Indicator (NODI)

Form NODI: --

Parameter Code	Parameter Name	Monitoring Location	Season #	Param. NODI		Quantity or Loading Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Quality or Concentration Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units	# of Ex.	Frequency of Analysis	Sample Type
X 01045	Iron, total [as Fe]	1 - Effluent Gross	0	--	Sample										=	1.18	19 - mg/L		01/90 - Quarterly	GR - GRAB
					Permit Req.										<=	1 MAXIMUM	19 - mg/L		01/90 - Quarterly	GR - GRAB
					Value NODI															
01051	Lead, total [as Pb]	1 - Effluent Gross	0	--	Sample										<	0.002	19 - mg/L		01/90 - Quarterly	GR - GRAB
					Permit Req.										<=	.21 MAXIMUM	19 - mg/L		01/90 - Quarterly	GR - GRAB
					Value NODI															
01092	Zinc, total [as Zn]	1 - Effluent Gross	0	--	Sample										=	89	28 - ug/L		01/90 - Quarterly	GR - GRAB
					Permit Req.										<=	90 MAXIMUM	28 - ug/L		01/90 - Quarterly	GR - GRAB
					Value NODI															
X 01105	Aluminum, total [as Al]	1 - Effluent Gross	0	--	Sample										=	1.52	19 - mg/L		01/90 - Quarterly	GR - GRAB
					Permit Req.										<=	.75 MAXIMUM	19 - mg/L		01/90 - Quarterly	GR - GRAB
					Value NODI															

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

Parameter Code	Parameter Name	Monitoring Location	Field	Type	Description	Acknowledge
01105	Aluminum, total [as Al]	1 - Effluent Gross	Quality or Concentration Sample Value 3	Soft	The provided sample value is outside the permit limit. (Error Code: 1)	Yes
01045	Iron, total [as Fe]	1 - Effluent Gross	Quality or Concentration Sample Value 3	Soft	The provided sample value is outside the permit limit. (Error Code: 1)	Yes

Comments

Attachments

No attachments.

Report Last Saved By

AES PUERTO RICO, LP

User:	manuel.mata@aes.com	Date/Time:	2016-04-20 12:59 (Time Zone: -04:00)
Name:	Manuel Mata		
E-Mail:	manuel.mata@aes.com		

DMR Copy of Record

Permit

Permit #:	**PRR053093**	**Permittee:**	AES PUERTO RICO, LP	**Facility:**	AES PUERTO RICO, L.P.
Major:	No	**Permittee Address:**	Road #3 km. 142 Jobos Ward Guayama, PR 00784	**Facility Location:**	ROAD #3 KM. 142 JOBOS WARD GUAYAMA, PR 00784
Permitted Feature:	001 External Outfall	**Discharge:**	**001-O1** Steam Electric Generating Facilities		

Report Dates & Status

Monitoring Period:	**From 01/01/16 to 03/31/16**	**DMR Due Date:**	**04/30/16**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Manuel	**Title:**	Plant Manager	**Telephone:**	787-866-8117
Last Name:	Mata				

No Data Indicator (NODI)

Form NODI: --

Parameter Code	Parameter Name	Monitoring Location	Season #	Param. NODI	Sample Permit Req. Value NODI	Quantity or Loading Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Quality or Concentration Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units	# of Ex.	Frequency of Analysis	Sample Type
X 01045	Iron, total [as Fe]	1 - Effluent Gross	0	--											=	1.18	19 - mg/L		01/90 - Quarterly	GR - GRAB
															<=	1 MAXIMUM	19 - mg/L		01/90 - Quarterly	GR - GRAB

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

Parameter Code	Parameter Name	Monitoring Location	Field	Type	Description	Acknowledge
01045	Iron, total [as Fe]	1 - Effluent Gross	Quality or Concentration Sample Value 3	Soft	The provided sample value is outside the permit limit. (Error Code: 1)	Yes

Comments

Attachments

No attachments.

Report Last Saved By

AES PUERTO RICO, LP

User:	manuel.mata@aes.com	Date/Time:	2016-04-20 12:59 (Time Zone: -04:00)
Name:	Manuel Mata		
E-Mail:	manuel.mata@aes.com		

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

NAME AES Puerto Rico, L.P
ADDRESS PR-3 Km 142 Bo Jobos Guayama P.R 00785

FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*

DISCHARGE MONITORING REPORT *(DMR)*

Form Approved
OMB No. 2040-0004

PERMIT NUMBER	DISCHARGE NUMBER
PRR053093	001

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2016	1	1	TO	2016	3	31

NOTE: Read instructions before

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	QUALITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
Total Al	SAMPLE					1.52		mg/L		Q	G
	PERMIT REQUIREMENT					0.75					
Total Fe	SAMPLE					1.18		mg/L		Q	G
	PERMIT REQUIREMENT					1.0					
Total Pb	SAMPLE					<0.002		mg/L		Q	G
	PERMIT REQUIREMENT					0.262					
Total Zn	SAMPLE					0.089		mg/L		Q	G
	PERMIT REQUIREMENT					0.260					
	SAMPLE										
	PERMIT REQUIREMENT										
	SAMPLE										
	PERMIT REQUIREMENT										
	SAMPLE										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Manuel Mata	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 gather and evaluate 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 PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA	NUMBER	YEAR	MO	DAY
TYPED OR PRINTED					2016	4	15

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

DMR Copy of Record

Permit

Permit #:	**PRR053093**	**Permittee:**	AES PUERTO RICO, LP	**Facility:**	AES PUERTO RICO, L.P.
Major:	No	**Permittee Address:**	Road #3 km. 142 Jobos Ward Guayama, PR 00784	**Facility Location:**	ROAD #3 KM. 142 JOBOS WARD GUAYAMA, PR 00784
Permitted Feature:	002 External Outfall	**Discharge:**	002-O1 Steam Electric Generating Facilities		

Report Dates & Status

Monitoring Period:	**From 01/01/16 to 03/31/16**	**DMR Due Date:**	**04/30/16**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Manuel	**Title:**	Plant Manager	**Telephone:**	787-866-8117
Last Name:	Mata				

No Data Indicator (NODI)

Form NODI: --

Parameter Code	Parameter Name	Monitoring Location	Season #	Param. NODI		Quantity or Loading Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Quality or Concentration Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units	# of Ex.	Frequency of Analysis	Sample Type
					Sample										=	14	19 - mg/L		01/90 - Quarterly	GR - GRAB
X 01045	Iron, total [as Fe]	1 - Effluent Gross	0	--	Permit Req. Value NODI										<=	1 MAXIMUM	19 - mg/L		01/90 - Quarterly	GR - GRAB

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

Parameter Code	Parameter Name	Monitoring Location	Field	Type	Description	Acknowledge
01045	Iron, total [as Fe]	1 - Effluent Gross	Quality or Concentration Sample Value 3	Soft	The provided sample value is outside the permit limit. (Error Code: 1)	Yes

Comments

Attachments

No attachments.

Report Last Saved By

AES PUERTO RICO, LP

User:	manuel.mata@aes.com	Date/Time:	2016-04-20 12:59 (Time Zone: -04:00)
Name:	Manuel Mata		
E-Mail:	manuel.mata@aes.com		

DMR Copy of Record

Permit

Permit #:	**PRR053093**	**Permittee:**	AES PUERTO RICO, LP	**Facility:**	AES PUERTO RICO, L.P.
Major:	No	**Permittee Address:**	Road #3 km. 142 Jobos Ward Guayama, PR 00784	**Facility Location:**	ROAD #3 KM. 142 JOBOS WARD GUAYAMA, PR 00784
Permitted Feature:	002 External Outfall	**Discharge:**	**002-Q1** Water Transportation Facilities		

Report Dates & Status

Monitoring Period:	**From 01/01/16 to 03/31/16**	**DMR Due Date:**	**04/30/16**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Manuel	**Title:**	Plant Manager	**Telephone:**	787-866-8117
Last Name:	Mata				

No Data Indicator (NODI)

Form NODI: --

Parameter Code	Parameter Name	Monitoring Location	Season #	Param. NODI		Quantity or Loading Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Quality or Concentration Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units	# of Ex.	Frequency of Analysis	Sample Type
X 01045	Iron, total [as Fe]	1 - Effluent Gross	0	--	Sample										=	14	19 - mg/L		01/90 - Quarterly	GR - GRAB
					Permit Req.										<=	1 MAXIMUM	19 - mg/L		01/90 - Quarterly	GR - GRAB
					Value NODI															
01051	Lead, total [as Pb]	1 - Effluent Gross	0	--	Sample										=	0.005	19 - mg/L		01/90 - Quarterly	GR - GRAB
					Permit Req.										<=	.21 MAXIMUM	19 - mg/L		01/90 - Quarterly	GR - GRAB
					Value NODI															
X 01092	Zinc, total [as Zn]	1 - Effluent Gross	0	--	Sample										=	113	28 - ug/L		01/90 - Quarterly	GR - GRAB
					Permit Req.										<=	90 MAXIMUM	28 - ug/L		01/90 - Quarterly	GR - GRAB
					Value NODI															
X 01105	Aluminum, total [as Al]	1 - Effluent Gross	0	--	Sample										=	17.1	19 - mg/L		01/90 - Quarterly	GR - GRAB
					Permit Req.										<=	.75 MAXIMUM	19 - mg/L		01/90 - Quarterly	GR - GRAB
					Value NODI															

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

Parameter Code	Parameter Name	Monitoring Location	Field	Type	Description	Acknowledge
01092	Zinc, total [as Zn]	1 - Effluent Gross	Quality or Concentration Sample Value 3	Soft	The provided sample value is outside the permit limit. (Error Code: 1)	Yes
01105	Aluminum, total [as Al]	1 - Effluent Gross	Quality or Concentration Sample Value 3	Soft	The provided sample value is outside the permit limit. (Error Code: 1)	Yes
01045	Iron, total [as Fe]	1 - Effluent Gross	Quality or Concentration Sample Value 3	Soft	The provided sample value is outside the permit limit. (Error Code: 1)	Yes

Comments

Attachments

No attachments.

Report Last Saved By

AES PUERTO RICO, LP

User:	manuel.mata@aes.com	Date/Time:	2016-04-20 12:59 (Time Zone: -04:00)
Name:	Manuel Mata		
E-Mail:	manuel.mata@aes.com		

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

NAME AES Puerto Rico, L.P
ADDRESS PR-3 Km 142 Bo Jobos
Guayama P.R. 00785

FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*

DISCHARGE MONITORING REPORT *(DMR)*

Form Approved
OMB No. 2040-0004

PERMIT NUMBER	DISCHARGE NUMBER
PRR053093	002

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2016	1	1	TO	2016	3	31

NOTE: Read instructions before

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	QUALITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
Total Al	SAMPLE					17.1		mg/L		Q	6
	PERMIT REQUIREMENT					0.75					
Total Fe	SAMPLE					14.0		mg/L		Q	6
	PERMIT REQUIREMENT					1.0					
Total Pb	SAMPLE					0.005		mg/L		Q	6
	PERMIT REQUIREMENT					0.262					
Total Zn	SAMPLE					0.113		mg/L		Q	6
	PERMIT REQUIREMENT					0.260					
	SAMPLE										
	PERMIT REQUIREMENT										
	SAMPLE										
	PERMIT REQUIREMENT										
	SAMPLE										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Manuel Mata	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 gather and evaluate 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 PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT			2016	4	15
TYPED OR PRINTED			AREA	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

DMR Copy of Record

Permit

Permit #:	PRR053093	**Permittee:**	AES PUERTO RICO, LP	**Facility:**	AES PUERTO RICO, L.P.
Major:	No	**Permittee Address:**	Road #3 km. 142 Jobos Ward Guayama, PR 00784	**Facility Location:**	ROAD #3 KM. 142 JOBOS WARD GUAYAMA, PR 00784
Permitted Feature:	003 External Outfall	**Discharge:**	**003-O1** Steam Electric Generating Facilities		

Report Dates & Status

Monitoring Period:	**From 01/01/16 to 03/31/16**	**DMR Due Date:**	**04/30/16**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Manuel	**Title:**	Plant Manager	**Telephone:**	787-866-8117
Last Name:	Mata				

No Data Indicator (NODI)

Form NODI: –

Parameter Code	Parameter Name	Monitoring Location	Season #	Param. NODI	Sample Permit Req. Value NODI	Quantity or Loading Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Quality or Concentration Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units	# of Ex.	Frequency of Analysis	Sample Type
01045	Iron, total [as Fe]	1 - Effluent Gross	0	–							=	0.305					19 - mg/L		01/90 - Quarterly	GR - GRAB
											<=	1 MAXIMUM					19 - mg/L		01/90 - Quarterly	GR - GRAB

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

AES PUERTO RICO, LP

User:	manuel.mata@aes.com	Date/Time:	2016-04-20 12:59 (Time Zone: -04:00)
Name:	Manuel Mata		
E-Mail:	manuel.mata@aes.com		

DMR Copy of Record

Permit

Permit #:	**PRR053093**	**Permittee:**	AES PUERTO RICO, LP	**Facility:**	AES PUERTO RICO, L.P.
Major:	No	**Permittee Address:**	Road #3 km. 142 Jobos Ward Guayama, PR 00784	**Facility Location:**	ROAD #3 KM. 142 JOBOS WARD GUAYAMA, PR 00784
Permitted Feature:	003 External Outfall	**Discharge:**	**003-Q1** Water Transportation Facilities		

Report Dates & Status

Monitoring Period:	**From 01/01/16 to 03/31/16**	**DMR Due Date:**	**04/30/16**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Manuel	**Title:**	Plant Manager	**Telephone:**	787-866-8117
Last Name:	Mata				

No Data Indicator (NODI)

Form NODI: --

Parameter Code	Parameter Name	Monitoring Location	Season #	Param. NODI		Quantity or Loading Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Quality or Concentration Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units	# of Ex.	Frequency of Analysis	Sample Type
					Sample									=		0.305	19 - mg/L		01/90 - Quarterly	GR - GRAB
01045	Iron, total [as Fe]	1 - Effluent Gross	0	--	Permit Req.									<=		1 MAXIMUM	19 - mg/L		01/90 - Quarterly	GR - GRAB
					Value NODI															
					Sample									<		0.002	19 - mg/L		01/90 - Quarterly	GR - GRAB
01051	Lead, total [as Pb]	1 - Effluent Gross	0	--	Permit Req.									<=		.21 MAXIMUM	19 - mg/L		01/90 - Quarterly	GR - GRAB
					Value NODI															
					Sample									=		22	28 - ug/L		01/90 - Quarterly	GR - GRAB
01092	Zinc, total [as Zn]	1 - Effluent Gross	0	--	Permit Req.									<=		90 MAXIMUM	28 - ug/L		01/90 - Quarterly	GR - GRAB
					Value NODI															
					Sample									=		0.206	19 - mg/L		01/90 - Quarterly	GR - GRAB
01105	Aluminum, total [as Al]	1 - Effluent Gross	0	--	Permit Req.									<=		.75 MAXIMUM	19 - mg/L		01/90 - Quarterly	GR - GRAB
					Value NODI															

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

AES PUERTO RICO, LP

User:	manuel.mata@aes.com	Date/Time:	2016-04-20 12:59 (Time Zone: -04:00)
Name:	Manuel Mata		
E-Mail:	manuel.mata@aes.com		

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*

Form Approved
OMB No. 2040-0004

DISCHARGE MONITORING REPORT *(DMR)*

NAME ACS Puerto Rico, LP.
ADDRESS PR-3 Km 142 Bo. Jobos
Guayama P.R 00785

PERMIT NUMBER	DISCHARGE NUMBER
PRR053093	003

FACILITY
LOCATION

	MONITORING PERIOD						
	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2016	1	1	TO	2016	3	31

NOTE: Read instructions before

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
Total Al	SAMPLE					0.208		mg/L		Q	G
	PERMIT REQUIREMENT					0.75					
Total Fe	SAMPLE					0.305		mg/L		Q	G
	PERMIT REQUIREMENT					1.0					
Total Pb	SAMPLE					<0.002		mg/L		Q	G
	PERMIT REQUIREMENT					0.262					
Total Zn	SAMPLE					0.022		mg/L		Q	G
	PERMIT REQUIREMENT					0.260					
	SAMPLE										
	PERMIT REQUIREMENT										
	SAMPLE										
	PERMIT REQUIREMENT										
	SAMPLE										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Manuel Mata	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 gather and evaluate 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 PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT			2016	4	15
TYPED OR PRINTED			AREA	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

BECKTON
Environmental Laboratories, Inc.

ACCREDITED IN ACCORDANCE WITH nelac

REPORT OF ANALYSIS

ATTENTION: Mr. Héctor Ávila
COMPANY: AES Puerto Rico - Guayama

DATE: April 14, 2016

CONTRACT: AES – Guayama

LAB. SAMPLE ID: BEL-1601057
SAMPLE COLLECTED BY: Client (P. Labayen)
DATE RECEIVED: 04/04/16

SAMPLE DATE: 04/01/16
TIME: 5:51 AM

DESCRIPTION: Stormwater #001
LAB. FILE ID: 1601057
MATRIX: Water

PARAMETER	EPA METHOD	SAMPLE TYPE	UNITS	BEL-1601057 RESULT	METHOD DETECTION LIMIT	ANALYST	DATE ANALYZED
Aluminum	200.7(ICAP)	Grab	mg/L	0.682	0.005	BTR	04/08/16
Iron	200.7(ICAP)	Grab	mg/L	0.733	0.010	BTR	04/08/16
Lead	200.7(ICAP)	Grab	mg/L	<0.002	0.002	BTR	04/08/16
Zinc	200.7(ICAP)	Grab	mg/L	0.090	0.002	BTR	04/08/16

*Standard Methods for the Examination of Water and Waste Water 20th Edition, 1999.

Method Detection Limit (MDL)-The minimum concentration of a substance that can be measured and reported with 99% confidence that the value is above zero.

Certification and release of the data contained in the Report of Analysis has been authorized by the Laboratory Manager or the Manager's Designee. Sample results related only to the sample submitted.

Lcda. Iris M. Chévere Alfonzo
Laboratory Director
Chemist License 2370

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Iris M. Chevere Alfonzo
Lic. # 2370
QUIMICO LICENCIADO
A 15[illegible]98

Attachment: Chain of Custody Records

THE NELAC CERTIFIED ANALYSES MEET ALL REQUIREMENTS OF NELAC STANDARDS.
REFER OUR SERVICE DEPARTMENT FOR THE CURRENT LIST OF CERTIFIED ANALYSES.
CERTIFIED BY STATE OF FLORIDA DEPARTMENT OF HEALTH AND REHABILITATION SERVICES FOR ENVIRONMENTAL TESTING
•CERTIFICATION NUMBER E87556•
CERTIFIED BY THE PUERTO RICO DEPARTMENT OF HEALTH (PRDOH) EPA CODE #PR00012
192 VILLA STREET • PONCE, PR 00730-4875 • TEL. (787) 841-7373 • FAX (787) 841-7313

BECKTON ENVIRONMENTAL LABORATORIES
192 Villa Street • Ponce, P.R. 00730-4875
Tel. 787-841-7373 • Fax 787-841-7313

REVISION 2009

CHAIN OF CUSTODY RECORD

PROYECT NO.	COMPANY AES Gma.	SAMPLER Pedro Labayen

SAMPLE LOCATION/CLIENT ID	StormWater # 001	TIME	5:51 AM/PM	CONTROL NO.
SAMPLE DATE	4-1-16	BEL. NO.	1601057	185890

1. General Environmental:		PC	VSS		PC
Acidity	( )		Alkalinity	( )	
Ammonia as N	( )		Bicarbonate	( )	
BOD-5	( )		Bromide	( )	
Chloride	( )		Chlorine, Res.	( )	
COD	( )		Color (ADMI)	( )	
Conductivity µmhos/cm	( )		Color (Pt-Co)	( )	
Dissolved Oxygen	( )		Cyanide	( )	
Hardness	( )		Fluoride	( )	
Moisture %	( )		Iodide	( )	
Nitrite	( )		Nitrate	( )	
Oil+Grease	( )		Nitrate + Nitrite	( )	
Phenol	( )		pH, S.U.	( )	
Phosphorus, Total	( )		Phosphate, Ortho	( )	
Sett Solids mg/L	( )		Sett. Solids mL/L	( )	
Sulfate	( )		Solids, Total	( )	
Sulfite	( )		Sulfide	( )	
TDS	( )		Surfactant	( )	
Temperature, °C	( )		TSS	( )	
TOC	( )		TKN	( )	
Asbestos	( )		Turbidity	( )	
TVS	( )		Carbonate	( )	
Total Nitrogen	( )				
2. Metals:					
Aluminum (Al)	(X)	1	Cadmium (Cd)	( )	
Chromium (Cr)	( )		Copper (Cu)	( )	
Iron (Fe)	(X)	1	Lead (Pb)	(X)	1
Manganese (Mn)	( )		Mercury (Hg)	( )	
Nickel (Ni)	( )		Selenium (Se)	( )	
Silver (Ag)	( )		Tin (Sn)	( )	
Zinc (Zn)	(X)	1	Arsenic (As)	( )	
Barium (Ba)	( )		Boron (B)	( )	
Antimony (Sb)	( )		Beryllium (Be)	( )	
Bismuth (Bi)	( )		Calcium (Ca)	( )	
Chromium, VI (CrVI)	( )		Cobalt (Co)	( )	
Magnesium (Mg)	( )		Molybdenum (Mo)	( )	
Potassium (K)	( )		Silicon (Si)	( )	
Sodium (Na)	( )		Strontium (Sr)	( )	
Thallium (Tl)	( )		Titanium (Ti)	( )	
Vanadium (V)	( )		Lithium (Li)	( )	
3. RCRA/Hazardous wastes					
Ignitability (Flash Pt.)	( )		Corrosivity	( )	
Reactivity (CN & S)	( )		TCLP	( )	
RCRA Metals	( )		Organics-Pest/Herb	( )	
Organics-BNA	( )		Organics-VOA	( )	
TOX	( )				
4. Specific Organics					
			Phenols GC	( )	
Volatiles	( )		Semi-Volitiles (BNA)	( )	
Pesticides/PCB's	( )		PCB's Only	( )	
Herbicides	( )		TPH 418.1	( )	
BTEX	( )		TTO	( )	
TTO & Dioxin	( )		TPH 8015	( )	
			Lindane	( )	
5. Microbiology					
Fecal Coliform	( )		Total Coliform	( )	

Comments: _____

Sampling Witness; _____
Date/Time: _____
Relinquished by: Pedro E. Labayen
Date/Time: 4-4-16 11:15 AM
Received by: [signature]
Date/Time: 4-4-16 11:15 AM
Relinquished by: [signature]
Date/Time: 4-4-16 1:54 PM
Received by: [signature]
Date/Time: 4/4/16 1:54 PM
Relinquished by: _____
Date/Time: _____
Received by: _____
Date/Time: _____

Matrix

air ( ) water (X) sludge ( )
liquid ( ) soil ( ) solid ( )
oil ( ) mixed ( ) other ( )

Specify: _____

Preservative Codes = PC

1. Cool, <6° C
2. Sulfuric Acid (H_2SO_4) pH<2
3. Nitric Acid (HNO_3), pH<2
4. Hydrochloric acid (HCl)
5. Sodium Thiosulfate
6. Sodium Hydroxide(NaOH)
7. Zinc Acetate
8. Ascorbic Acid
9. FAS
10. Other

Sample type legend:

grab samples x
composite samples xx

Turnaround time:

1 day ( )
2 days ( )
3 days ( )
5 days ( )

Sampling Equipment:

Automatic Sampler ( )
Sample Pick Up ( )

Note: normal turnaround time is ten (10) working days; additional charges apply for rush orders.

Original

BECKTON
Environmental Laboratories. Inc.

ACCREDITED IN ACCORDANCE WITH nelac

REPORT OF ANALYSIS

ATTENTION: Mr. Héctor Ávila
COMPANY: AES Puerto Rico - Guayama

DATE: April 14, 2016

CONTRACT: AES – Guayama

LAB. SAMPLE ID: BEL-1601058
SAMPLE COLLECTED BY: Client (P. Labayen)
DATE RECEIVED: 04/04/16

SAMPLE DATE: 04/01/16
TIME: 9:36AM

DESCRIPTION: Stormwater #002
LAB. FILE ID: 1601058
MATRIX: Water

PARAMETER	EPA METHOD	SAMPLE TYPE	UNITS	BEL-1601058 RESULT	METHOD DETECTION LIMIT	ANALYST	DATE ANALYZED
Aluminum	200.7(ICAP)	Grab	mg/L	8.30	0.005	BTR	04/08/16
Iron	200.7(ICAP)	Grab	mg/L	4.69	0.010	BTR	04/08/16
Lead	200.7(ICAP)	Grab	mg/L	<0.002	0.002	BTR	04/08/16
Zinc	200.7(ICAP)	Grab	mg/L	0.064	0.002	BTR	04/08/16

*Standard Methods for the Examination of Water and Waste Water 20th Edition, 1999.

Method Detection Limit (MDL)-The minimum concentration of a substance that can be measured and reported with 99% confidence that the value is above zero.

Certification and release of the data contained in the Report of Analysis has been authorized by the Laboratory Manager or the Manager's Designee. Sample results related only to the sample submitted.

Lcda. Iris M. Chévere Alfonzo
Laboratory Director
Chemist License 2370

ESTADO LIBRE ASOCIADO DE PUERTO RICO
Iris M. Chévere Alfonzo
Lic. # 2370
A 1575199
QUIMICO LICENCIADO

Attachment: Chain of Custody Records (1)

THE NELAC CERTIFIED ANALYSES MEET ALL REQUIREMENTS OF NELAC STANDARDS.
REFER OUR SERVICE DEPARTMENT FOR THE CURRENT LIST OF CERTIFIED ANALYSES.
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•CERTIFICATION NUMBER E87556•
CERTIFIED BY THE PUERTO RICO DEPARTMENT OF HEALTH (PRDOH) EPA CODE #PR00012
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192 Villa Street • Ponce, P.R. 00730-4875
Tel. 787-841-7373 • Fax 787-841-7313

REVISION 2009

CHAIN OF CUSTODY RECORD

PROYECT NO.	COMPANY	AES Gma.	SAMPLER	P. Labayen
SAMPLE LOCATION/CLIENT ID	StormWater # 002	TIME	9:36 AM/PM	CONTROL NO.
SAMPLE DATE	4-1-16	BEL. NO.	1601058	185891

1. General Environmental:		PC	VSS		PC
Acidity	( )	___	Alkalinity	( )	___
Ammonia as N	( )	___	Bicarbonate	( )	___
BOD-5	( )	___	Bromide	( )	___
Chloride	( )	___	Chlorine, Res.	( )	___
COD	( )	___	Color (ADMI)	( )	___
Conductivity µmhos/cm	( )	___	Color (Pt-Co)	( )	___
Dissolved Oxygen	( )	___	Cyanide	( )	___
Hardness	( )	___	Fluoride	( )	___
Moisture %	( )	___	Iodide	( )	___
Nitrite	( )	___	Nitrate	( )	___
Oil+Grease	( )	___	Nitrate + Nitrite	( )	___
Phenol	( )	___	pH, S.U.	( )	___
Phosphorus, Total	( )	___	Phosphate, Ortho	( )	___
Sett Solids mg/L	( )	___	Sett. Solids mL/L	( )	___
Sulfate	( )	___	Solids, Total	( )	___
Sulfite	( )	___	Sulfide	( )	___
TDS	( )	___	Surfactant	( )	___
Temperature, °C	( )	___	TSS	( )	___
TOC	( )	___	TKN	( )	___
Asbestos	( )	___	Turbidity	( )	___
TVS	( )	___	Carbonate	( )	___
Total Nitrogen	( )	___			
2. Metals:					
Aluminum (Al)	(X)	___	Cadmium (Cd)	( )	___
Chromium (Cr)	( )	___	Copper (Cu)	( )	___
Iron (Fe)	(X)	___	Lead (Pb)	(X)	___
Manganese (Mn)	( )	___	Mercury (Hg)	( )	___
Nickel (Ni)	( )	___	Selenium (Se)	( )	___
Silver (Ag)	( )	___	Tin (Sn)	( )	___
Zinc (Zn)	(X)	___	Arsenic (As)	( )	___
Barium (Ba)	( )	___	Boron (B)	( )	___
Antimony (Sb)	( )	___	Beryllium (Be)	( )	___
Bismuth (Bi)	( )	___	Calcium (Ca)	( )	___
Chromium, VI (CrVI)	( )	___	Cobalt (Co)	( )	___
Magnesium (Mg)	( )	___	Molybdenum (Mo)	( )	___
Potassium (K)	( )	___	Silicon (Si)	( )	___
Sodium (Na)	( )	___	Strontium (Sr)	( )	___
Thallium (Tl)	( )	___	Titanium (Ti)	( )	___
Vanadium (V)	( )	___	Lithium (Li)	( )	___
3. RCRA/Hazardous wastes					
Ignitability (Flash Pt.)	( )	___	Corrosivity	( )	___
Reactivity (CN & S)	( )	___	TCLP	( )	___
RCRA Metals	( )	___	Organics-Pest/Herb	( )	___
Organics-BNA	( )	___	Organics-VOA	( )	___
TOX	( )	___			
4. Specific Organics					
			Phenols GC	( )	___
Volatiles	( )	___	Semi-Volitiles (BNA)	( )	___
Pesticides/PCB's	( )	___	PCB's Only	( )	___
Herbicides	( )	___	TPH 418.1	( )	___
BTEX	( )	___	TTO	( )	___
TTO & Dioxin	( )	___	TPH 8015	( )	___
			Lindane	( )	___
5. Microbiology					
Fecal Coliform	( )	___	Total Coliform	( )	___

Comments: _____

Sampling Witness; _____
Date/Time: _____
Relinquished by: Pedro E. Labayen
Date/Time: 4-4-16 11:15 AM
Received by: Ed
Date/Time: 4-4-16 11:15 AM
Relinquished by: Ed
Date/Time: 4-4-16 1:56 PM
Received by: [illegible]
Date/Time: 4/4/16 1:56 pm
Relinquished by: _____
Date/Time: _____
Received by: _____
Date/Time: _____

Matrix

air	( )	water	(X)	sludge	( )
liquid	( )	soil	( )	solid	( )
oil	( )	mixed	( )	other	( )

Specify: _____

Preservative Codes = PC

1. Cool, <6° C
2. Sulfuric Acid (H_2SO_4) pH<2
3. Nitric Acid (HNO_3), pH<2
4. Hydrochloric acid (HCl)
5. Sodium Thiosulfate
6. Sodium Hydroxide(NaOH)
7. Zinc Acetate
8. Ascorbic Acid
9. FAS
10. Other

Sample type legend:

grab samples x
composite samples xx

Turnaround time:

1 day ( )
2 days ( )
3 days ( )
5 days ( )

Sampling Equipment:

Automatic Sampler ( )
Sample Pick Up ( )

Note: normal turnaround time is ten (10) working days; additional charges apply for rush orders.

Original

BECKTON
Environmental Laboratories, Inc.

ACCREDITED IN ACCORDANCE WITH nelac

REPORT OF ANALYSIS

ATTENTION: Mr. Héctor Ávila
COMPANY: AES Puerto Rico - Guayama

DATE: April 14, 2016

CONTRACT: AES – Guayama

LAB. SAMPLE ID: BEL-1601059
SAMPLE COLLECTED BY: Client (P. Labayen)
DATE RECEIVED: 04/04/16

SAMPLE DATE: 04/01/16
TIME: 12:19PM

DESCRIPTION: Stormwater #003
LAB. FILE ID: 1601059
MATRIX: Water

PARAMETER	EPA METHOD	SAMPLE TYPE	UNITS	BEL-1601059 RESULT	METHOD DETECTION LIMIT	ANALYST	DATE ANALYZED
Aluminum	200.7(ICAP)	Grab	mg/L	0.205	0.005	BTR	04/08/16
Iron	200.7(ICAP)	Grab	mg/L	0.186	0.010	BTR	04/08/16
Lead	200.7(ICAP)	Grab	mg/L	<0.002	0.002	BTR	04/08/16
Zinc	200.7(ICAP)	Grab	mg/L	0.036	0.002	BTR	04/08/16

*Standard Methods for the Examination of Water and Waste Water 20th Edition, 1999.

Method Detection Limit (MDL)-The minimum concentration of a substance that can be measured and reported with 99% confidence that the value is above zero.

Certification and release of the data contained in the Report of Analysis has been authorized by the Laboratory Manager or the Manager's Designee. Sample results related only to the sample submitted.

Lcda. Iris M. Chévere Alfonzo
Laboratory Director
Chemist License 2370

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Iris M. Chévere Alfonzo
Lic. # 2370
A 1375200
QUÍMICO LICENCIADO

Attachment: Chain of Custody Records (1)

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REFER OUR SERVICE DEPARTMENT FOR THE CURRENT LIST OF CERTIFIED ANALYSES.
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•CERTIFICATION NUMBER E87556•
CERTIFIED BY THE PUERTO RICO DEPARTMENT OF HEALTH (PRDOH) EPA CODE #PR00012
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Tel. **787-841-7373** • Fax **787-841-7313**

REVISION 2009

CHAIN OF CUSTODY RECORD

PROYECT NO.	COMPANY	AES Gma.	SAMPLER	P. Labayen
SAMPLE LOCATION/CLIENT ID	StormWater # 003	TIME	12:19 AM (PM)	CONTROL NO.
SAMPLE DATE	4-1-16	BEL. NO.	1601059	185892

1. General Environmental:		PC	VSS		PC
Acidity	( )	___	Alkalinity	( )	___
Ammonia as N	( )	___	Bicarbonate	( )	___
BOD-5	( )	___	Bromide	( )	___
Chloride	( )	___	Chlorine, Res.	( )	___
COD	( )	___	Color (ADMI)	( )	___
Conductivity µmhos/cm	( )	___	Color (Pt-Co)	( )	___
Dissolved Oxygen	( )	___	Cyanide	( )	___
Hardness	( )	___	Fluoride	( )	___
Moisture %	( )	___	Iodide	( )	___
Nitrite	( )	___	Nitrate	( )	___
Oil+Grease	( )	___	Nitrate + Nitrite	( )	___
Phenol	( )	___	pH, S.U.	( )	___
Phosphorus, Total	( )	___	Phosphate, Ortho	( )	___
Sett Solids mg/L	( )	___	Sett. Solids mL/L	( )	___
Sulfate	( )	___	Solids, Total	( )	___
Sulfite	( )	___	Sulfide	( )	___
TDS	( )	___	Surfactant	( )	___
Temperature, °C	( )	___	TSS	( )	___
TOC	( )	___	TKN	( )	___
Asbestos	( )	___	Turbidity	( )	___
TVS	( )	___	Carbonate	( )	___
Total Nitrogen	( )	___			
2. Metals:					
Aluminum (Al)	(X)	1	Cadmium (Cd)	( )	___
Chromium (Cr)	( )	___	Copper (Cu)	( )	___
Iron (Fe)	(X)	1	Lead (Pb)	(X)	___
Manganese (Mn)	( )	___	Mercury (Hg)	( )	___
Nickel (Ni)	( )	___	Selenium (Se)	( )	___
Silver (Ag)	( )	___	Tin (Sn)	( )	___
Zinc (Zn)	(X)	1	Arsenic (As)	( )	___
Barium (Ba)	( )	___	Boron (B)	( )	___
Antimony (Sb)	( )	___	Beryllium (Be)	( )	___
Bismuth (Bi)	( )	___	Calcium (Ca)	( )	___
Chromium, VI (CrVI)	( )	___	Cobalt (Co)	( )	___
Magnesium (Mg)	( )	___	Molybdenum (Mo)	( )	___
Potassium (K)	( )	___	Silicon (Si)	( )	___
Sodium (Na)	( )	___	Strontium (Sr)	( )	___
Thallium (Tl)	( )	___	Titanium (Ti)	( )	___
Vanadium (V)	( )	___	Lithium (Li)	( )	___
3. RCRA/Hazardous wastes					
Ignitability (Flash Pt.)	( )	___	Corrosivity	( )	___
Reactivity (CN & S)	( )	___	TCLP	( )	___
RCRA Metals	( )	___	Organics-Pest/Herb	( )	___
Organics-BNA	( )	___	Organics-VOA	( )	___
TOX	( )	___			
4. Specific Organics			Phenols GC	( )	___
Volatiles	( )	___	Semi-Volitiles (BNA)	( )	___
Pesticides/PCB's	( )	___	PCB's Only	( )	___
Herbicides	( )	___	TPH 418.1	( )	___
BTEX	( )	___	TTO	( )	___
TTO & Dioxin	( )	___	TPH 8015	( )	___
			Lindane	( )	___
5. Microbiology					
Fecal Coliform	( )	___	Total Coliform	( )	___

Comments:_____

Sampling Witness; _____
Date/Time: _____
Relinquished by: [signature]
Date/Time: 4-4-16 11:15AM
Received by: [signature]
Date/Time: 4-4-16 11:15AM
Relinquished by: [signature]
Date/Time: 4-4-16 1:57PM
Received by: [signature]
Date/Time: 4/4/16 1:57Pm
Relinquished by: _____
Date/Time: _____
Received by: _____
Date/Time: _____

Matrix

air	( )	water	(X)	sludge	( )
liquid	( )	soil	( )	solid	( )
oil	( )	mixed	( )	other	( )

Specify: _____

Preservative Codes = PC

1. Cool, <6° C
2. Sulfuric Acid (H_2SO_4) pH<2
3. Nitric Acid (HNO_3), pH<2
4. Hydrochloric acid (HCl)
5. Sodium Thiosulfate
6. Sodium Hydroxide(NaOH)
7. Zinc Acetate
8. Ascorbic Acid
9. FAS
10. Other

Sample type legend:

grab samples x
composite samples xx

Turnaround time:

1 day ( )
2 days ( )
3 days ( )
5 days ( )

Sampling Equipment:

Automatic Sampler ( )
Sample Pick Up ( )

Note: normal turnaround time is ten (10) working days; additional charges apply for rush orders.

Original

DMR Copy of Record

Permit

Permit #:	**PRR053093**	**Permittee:**	AES PUERTO RICO, LP	**Facility:**	AES PUERTO RICO, L.P.
Major:	No	**Permittee Address:**	Road #3 km. 142 Jobos Ward Guayama, PR 00784	**Facility Location:**	ROAD #3 KM. 142 JOBOS WARD GUAYAMA, PR 00784
Permitted Feature:	001 External Outfall	**Discharge:**	**001-O1** Steam Electric Generating Facilities		

Report Dates & Status

Monitoring Period:	**From 04/01/16 to 06/30/16**	**DMR Due Date:**	**07/31/16**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Manuel	**Title:**	Plant Manager	**Telephone:**	787-866-8117
Last Name:	Mata				

No Data Indicator (NODI)

Form NODI: --

Parameter Code	Parameter Name	Monitoring Location	Season #	Param. NODI		Quantity or Loading Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Quality or Concentration Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units	# of Ex.	Frequency of Analysis	Sample Type
01045	Iron, total [as Fe]	1 - Effluent Gross	0	--	Sample										=	0.733	19 - mg/L		01/90 - Quarterly	GR - GRAB
					Permit Req. Value NODI										<=	1 MAXIMUM	19 - mg/L		01/90 - Quarterly	GR - GRAB

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

AES PUERTO RICO, LP

User:	pedro.labayen@aes.com	Date/Time:	2016-05-23 09:18 (Time Zone: -04:00)
Name:	Pedro Labayen		
E-Mail:	pedro.labayen@aes.com		

DMR Copy of Record

Permit

Permit #:	**PRR053093**	**Permittee:**	AES PUERTO RICO, LP	**Facility:**	AES PUERTO RICO, L.P.
Major:	No	**Permittee Address:**	Road #3 km. 142 Jobos Ward Guayama, PR 00784	**Facility Location:**	ROAD #3 KM. 142 JOBOS WARD GUAYAMA, PR 00784
Permitted Feature:	001 External Outfall	**Discharge:**	**001-Q1** Water Transportation Facilities		

Report Dates & Status

Monitoring Period:	**From 04/01/16 to 06/30/16**	**DMR Due Date:**	**07/31/16**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Manuel	**Title:**	Plant Manager	**Telephone:**	787-866-8117
Last Name:	Mata				

No Data Indicator (NODI)

Form NODI: –

Parameter Code	Parameter Name	Monitoring Location	Season #	Param. NODI		Quantity or Loading Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Quality or Concentration Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units	# of Ex.	Frequency of Analysis	Sample Type
					Sample						=	0.733					19 - mg/L		01/90 - Quarterly	GR - GRAB
01045	Iron, total [as Fe]	1 - Effluent Gross	0	–	Permit Req.						<=	1 MAXIMUM					19 - mg/L		01/90 - Quarterly	GR - GRAB
					Value NODI															
					Sample						<	0.002					19 - mg/L		01/90 - Quarterly	GR - GRAB
01051	Lead, total [as Pb]	1 - Effluent Gross	0	–	Permit Req.						<=	.21 MAXIMUM					19 - mg/L		01/90 - Quarterly	GR - GRAB
					Value NODI															
					Sample						=	90					28 - ug/L		01/90 - Quarterly	GR - GRAB
01092	Zinc, total [as Zn]	1 - Effluent Gross	0	–	Permit Req.						<=	90 MAXIMUM					28 - ug/L		01/90 - Quarterly	GR - GRAB
					Value NODI															
					Sample						=	0.682					19 - mg/L		01/90 - Quarterly	GR - GRAB
01105	Aluminum, total [as Al]	1 - Effluent Gross	0	–	Permit Req.						<=	.75 MAXIMUM					19 - mg/L		01/90 - Quarterly	GR - GRAB
					Value NODI															

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

AES PUERTO RICO, LP

User:	pedro.labayen@aes.com	Date/Time:	2016-05-23 09:20 (Time Zone: -04:00)
Name:	Pedro Labayen		
E-Mail:	pedro.labayen@aes.com		

DMR Copy of Record

Permit

Permit #:	PRR053093	**Permittee:**	AES PUERTO RICO, LP	**Facility:**	AES PUERTO RICO, L.P.
Major:	No	**Permittee Address:**	Road #3 km. 142 Jobos Ward Guayama, PR 00784	**Facility Location:**	ROAD #3 KM. 142 JOBOS WARD GUAYAMA, PR 00784
Permitted Feature:	002 External Outfall	**Discharge:**	002-O1 Steam Electric Generating Facilities		

Report Dates & Status

Monitoring Period:	**From 04/01/16 to 06/30/16**	**DMR Due Date:**	**07/31/16**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Manuel	**Title:**	Plant Manager	**Telephone:**	787-866-8117
Last Name:	Mata				

No Data Indicator (NODI)

Form NODI: --

Parameter Code	Parameter Name	Monitoring Location	Season #	Param. NODI		Quantity or Loading Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Quality or Concentration Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units	# of Ex.	Frequency of Analysis	Sample Type
X 01045	Iron, total [as Fe]	1 - Effluent Gross	0	--	Sample						=	4.69					19 - mg/L		01/90 - Quarterly	GR - GRAB
					Permit Req. Value NODI						<=	1 MAXIMUM					19 - mg/L		01/90 - Quarterly	GR - GRAB

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

Parameter Code	Parameter Name	Monitoring Location	Field	Type	Description	Acknowledge
01045	Iron, total [as Fe]	1 - Effluent Gross	Quality or Concentration Sample Value 3	Soft	The provided sample value is outside the permit limit. (Error Code: 1)	Yes

Comments

Attachments

No attachments.

Report Last Saved By

AES PUERTO RICO, LP

User:	pedro.labayen@aes.com	Date/Time:	2016-05-23 09:27 (Time Zone: -04:00)
Name:	Pedro Labayen		
E-Mail:	pedro.labayen@aes.com		

DMR Copy of Record

Permit

Permit #:	PRR053093	**Permittee:**	AES PUERTO RICO, LP	**Facility:**	AES PUERTO RICO, L.P.
Major:	No	**Permittee Address:**	Road #3 km. 142 Jobos Ward Guayama, PR 00784	**Facility Location:**	ROAD #3 KM. 142 JOBOS WARD GUAYAMA, PR 00784
Permitted Feature:	002 External Outfall	**Discharge:**	**002-Q1** Water Transportation Facilities		

Report Dates & Status

Monitoring Period:	**From 04/01/16 to 06/30/16**	**DMR Due Date:**	**07/31/16**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Manuel	**Title:**	Plant Manager	**Telephone:**	787-866-8117
Last Name:	Mata				

No Data Indicator (NODI)

Form NODI: –

	Parameter Code	Parameter Name	Monitoring Location	Season	# Param. NODI		Quantity or Loading Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Quality or Concentration Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units	# of Ex.	Frequency of Analysis	Sample Type
						Sample										=	4.69	19 - mg/L		01/90 - Quarterly	GR - GRAB
X	01045	Iron, total [as Fe]	1 - Effluent Gross	0	–	Permit Req.										<=	1 MAXIMUM	19 - mg/L		01/90 - Quarterly	GR - GRAB
						Value NODI															
						Sample										<	0.002	19 - mg/L		01/90 - Quarterly	GR - GRAB
	01051	Lead, total [as Pb]	1 - Effluent Gross	0	–	Permit Req.										<=	.21 MAXIMUM	19 - mg/L		01/90 - Quarterly	GR - GRAB
						Value NODI															
						Sample										=	64	28 - ug/L		01/90 - Quarterly	GR - GRAB
	01092	Zinc, total [as Zn]	1 - Effluent Gross	0	–	Permit Req.										<=	90 MAXIMUM	28 - ug/L		01/90 - Quarterly	GR - GRAB
						Value NODI															
						Sample										=	8.3	19 - mg/L		01/90 - Quarterly	GR - GRAB
X	01105	Aluminum, total [as Al]	1 - Effluent Gross	0	–	Permit Req.										<=	.75 MAXIMUM	19 - mg/L		01/90 - Quarterly	GR - GRAB
						Value NODI															

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

Parameter Code	Parameter Name	Monitoring Location	Field	Type	Description	Acknowledge
01045	Iron, total [as Fe]	1 - Effluent Gross	Quality or Concentration Sample Value 3	Soft	The provided sample value is outside the permit limit. (Error Code: 1)	Yes
01105	Aluminum, total [as Al]	1 - Effluent Gross	Quality or Concentration Sample Value 3	Soft	The provided sample value is outside the permit limit. (Error Code: 1)	Yes

Comments

Attachments

No attachments.

Report Last Saved By

AES PUERTO RICO, LP

User:	pedro.labayen@aes.com	Date/Time:	2016-05-23 09:29 (Time Zone: -04:00)
Name:	Pedro Labayen		
E-Mail:	pedro.labayen@aes.com		

DMR Copy of Record

Permit

Permit #:	**PRR053093**	**Permittee:**	AES PUERTO RICO, LP	**Facility:**	AES PUERTO RICO, L.P.
Major:	No	**Permittee Address:**	Road #3 km. 142 Jobos Ward Guayama, PR 00784	**Facility Location:**	ROAD #3 KM. 142 JOBOS WARD GUAYAMA, PR 00784
Permitted Feature:	003 External Outfall	**Discharge:**	**003-O1** Steam Electric Generating Facilities		

Report Dates & Status

Monitoring Period:	**From 04/01/16 to 06/30/16**	**DMR Due Date:**	**07/31/16**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Manuel	**Title:**	Plant Manager	**Telephone:**	787-866-8117
Last Name:	Mata				

No Data Indicator (NODI)

Form NODI: –

Parameter Code	Parameter Name	Monitoring Location	Season #	Param. NODI		Quantity or Loading Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Quality or Concentration Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units	# of Ex.	Frequency of Analysis	Sample Type
01045	Iron, total [as Fe]	1 - Effluent Gross	0	–	Sample								=	0.186			19 - mg/L		01/90 - Quarterly	GR - GRAB
					Permit Req. Value NODI								<=		1 MAXIMUM		19 - mg/L		01/90 - Quarterly	GR - GRAB

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

AES PUERTO RICO, LP

User:	pedro.labayen@aes.com	Date/Time:	2016-05-23 09:31 (Time Zone: -04:00)
Name:	Pedro Labayen		
E-Mail:	pedro.labayen@aes.com		

DMR Copy of Record

Permit

Permit #:	PRR053093	**Permittee:**	AES PUERTO RICO, LP	**Facility:**	AES PUERTO RICO, L.P.
Major:	No	**Permittee Address:**	Road #3 km. 142 Jobos Ward Guayama, PR 00784	**Facility Location:**	ROAD #3 KM. 142 JOBOS WARD GUAYAMA, PR 00784
Permitted Feature:	003 External Outfall	**Discharge:**	**003-Q1** Water Transportation Facilities		

Report Dates & Status

Monitoring Period:	**From 04/01/16 to 06/30/16**	**DMR Due Date:**	**07/31/16**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Manuel	**Title:**	Plant Manager	**Telephone:**	787-866-8117
Last Name:	Mata				

No Data Indicator (NODI)

Form NODI: –

Parameter Code	Parameter Name	Monitoring Location	Season	# Param. NODI		Quantity or Loading Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Quality or Concentration Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units	# of Ex.	Frequency of Analysis	Sample Type
01045	Iron, total [as Fe]	1 - Effluent Gross	0	–	Sample										=	0.186	19 - mg/L		01/90 - Quarterly	GR - GRAB
					Permit Req.										<=	1 MAXIMUM	19 - mg/L		01/90 - Quarterly	GR - GRAB
					Value NODI															
01051	Lead, total [as Pb]	1 - Effluent Gross	0	–	Sample										<	0.002	19 - mg/L		01/90 - Quarterly	GR - GRAB
					Permit Req.										<=	.21 MAXIMUM	19 - mg/L		01/90 - Quarterly	GR - GRAB
					Value NODI															
01092	Zinc, total [as Zn]	1 - Effluent Gross	0	–	Sample										=	36	28 - ug/L		01/90 - Quarterly	GR - GRAB
					Permit Req.										<=	90 MAXIMUM	28 - ug/L		01/90 - Quarterly	GR - GRAB
					Value NODI															
01105	Aluminum, total [as Al]	1 - Effluent Gross	0	–	Sample										=	0.205	19 - mg/L		01/90 - Quarterly	GR - GRAB
					Permit Req.										<=	.75 MAXIMUM	19 - mg/L		01/90 - Quarterly	GR - GRAB
					Value NODI															

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

AES PUERTO RICO, LP

User:	pedro.labayen@aes.com	Date/Time:	2016-05-23 09:32 (Time Zone: -04:00)
Name:	Pedro Labayen		
E-Mail:	pedro.labayen@aes.com		

BECKTON
Environmental Laboratories, Inc.

ACCREDITED IN ACCORDANCE WITH nelac

REPORT OF ANALYSIS

ATTENTION: Mr. Héctor Ávila
COMPANY: AES Puerto Rico - Guayama

DATE: August 31, 2016

CONTRACT: AES – Guayama

LAB. SAMPLE ID: BEL-1602751
SAMPLE COLLECTED BY: Client (Pedro Labayen)
DATE RECEIVED0: 08/18/16

SAMPLE DATE: 08/13/16
TIME: 10:00PM

DESCRIPTION: Stormwater #002
LAB. FILE ID: 1602751
MATRIX: Water

PARAMETER	EPA METHOD	SAMPLE TYPE	UNITS	BEL-1602751 RESULT	METHOD DETECTION LIMIT	ANALYST	DATE ANALYZED
Aluminum	200.7(ICAP)	Grab	mg/L	0.254	0.005	HS	08/26/16
Iron	200.7(ICAP)	Grab	mg/L	0.222	0.010	HS	08/26/16
Lead	200.7(ICAP)	Grab	mg/L	0.004	0.002	HS	08/26/16
Zinc	200.7(ICAP)	Grab	mg/L	0.020	0.002	HS	08/26/16

Sample was preserved in the laboratory.

Method Detection Limit (MDL)-The minimum concentration of a substance that can be measured and reported with 99% confidence that the value is above zero.

Certification and release of the data contained in the Report of Analysis has been authorized by the Laboratory Manager or the Manager's Designee. Sample results related only to the sample submitted.

Lcda. Iris M. Chévere Alfonzo
Laboratory Director
Chemist License 2370

A 1591210

Attachment: Chain of Custody Records (1)

THE NELAC CERTIFIED ANALYSES MEET ALL REQUIREMENTS OF NELAC STANDARDS.
REFER OUR SERVICE DEPARTMENT FOR THE CURRENT LIST OF CERTIFIED ANALYSES.
CERTIFIED BY STATE OF FLORIDA DEPARTMENT OF HEALTH AND REHABILITATION SERVICES FOR ENVIRONMENTAL TESTING
•CERTIFICATION NUMBER E87556•
CERTIFIED BY THE PUERTO RICO DEPARTMENT OF HEALTH (PRDOH) EPA CODE #PR00012
192 VILLA STREET • PONCE, PR 00730-4875 • TEL. (787) 841-7373 • FAX (787) 841-7313

BECKTON ENVIRONMENTAL LABORATORIES
192 Villa Street • Ponce, P.R. 00730-4875
Tel. 787-841-7373 • Fax 787-841-7313

REVISION 2009

CHAIN OF CUSTODY RECORD

PROYECT NO.	COMPANY AES	SAMPLER Pedro Lavayen
SAMPLE LOCATION/CLIENT ID	Stormwater 002	TIME 10:00 AM (PM)
SAMPLE DATE	8/13/16	BEL. NO. 1602751

CONTROL NO. 187722

1. General Environmental:		PC	VSS		PC
Acidity	( )		Alkalinity	( )	
Ammonia as N	( )		Bicarbonate	( )	
BOD-5	( )		Bromide	( )	
Chloride	( )		Chlorine, Res.	( )	
COD	( )		Color (ADMI)	( )	
Conductivity µmhos/cm	( )		Color (Pt-Co)	( )	
Dissolved Oxygen	( )		Cyanide	( )	
Hardness	( )		Fluoride	( )	
Moisture %	( )		Iodide	( )	
Nitrite	( )		Nitrate	( )	
Oil+Grease	( )		Nitrate + Nitrite	( )	
Phenol	( )		pH, S.U.	( )	
Phosphorus, Total	( )		Phosphate, Ortho	( )	
Sett Solids mg/L	( )		Sett. Solids mL/L	( )	
Sulfate	( )		Solids, Total	( )	
Sulfite	( )		Sulfide	( )	
TDS	( )		Surfactant	( )	
Temperature, °C	( )		TSS	( )	
TOC	( )		TKN	( )	
Asbestos	( )		Turbidity	( )	
TVS	( )		Carbonate	( )	
Total Nitrogen	( )				

2. Metals:							
Aluminum	(Al)	(X)	13	Cadmium	(Cd)	( )	
Chromium	(Cr)	( )		Copper	(Cu)	( )	
Iron	(Fe)	(X)	13	Lead	(Pb)	(X)	13
Manganese	(Mn)	( )		Mercury	(Hg)	( )	
Nickel	(Ni)	( )		Selenium	(Se)	( )	
Silver	(Ag)	( )		Tin	(Sn)	( )	
Zinc	(Zn)	(X)	13	Arsenic	(As)	( )	
Barium	(Ba)	( )		Boron	(B)	( )	
Antimony	(Sb)	( )		Beryllium	(Be)	( )	
Bismuth	(Bi)	( )		Calcium	(Ca)	( )	
Chromium, VI	(CrVI)	( )		Cobalt	(Co)	( )	
Magnesium	(Mg)	( )		Molybdenum	(Mo)	( )	
Potassium	(K)	( )		Silicon	(Si)	( )	
Sodium	(Na)	( )		Strontium	(Sr)	( )	
Thallium	(Tl)	( )		Titanium	(Ti)	( )	
Vanadium	(V)	( )		Lithium	(Li)	( )	

3. RCRA/Hazardous wastes					
Ignitability (Flash Pt.)	( )		Corrosivity	( )	
Reactivity (CN & S)	( )		TCLP	( )	
RCRA Metals	( )		Organics-Pest/Herb	( )	
Organics-BNA	( )		Organics-VOA	( )	
TOX	( )				

4. Specific Organics					
			Phenols GC	( )	
Volatiles	( )		Semi-Volitiles (BNA)	( )	
Pesticides/PCB's	( )		PCB's Only	( )	
Herbicides	( )		TPH 418.1	( )	
BTEX	( )		TTO	( )	
TTO & Dioxin	( )		TPH 8015	( )	
			Lindane	( )	

5. Microbiology					
Fecal Coliform	( )		Total Coliform	( )	

Comments:

Sampling Witness;
Date/Time:
Relinquished by: Pedro C. Lavayen
Date/Time: 8/18/2016 10:40 AM
Received by:
Date/Time: 8/18/16 10:40 Am
Relinquished by:
Date/Time: 8/18/16 2:16 Pm
Received by:
Date/Time: 8/18/16 2:16 Pm
Relinquished by:
Date/Time:
Received by:
Date/Time:

Matrix

air	( )	water	(X)	sludge	( )
liquid	( )	soil	( )	solid	( )
oil	( )	mixed	( )	other	( )

Specify:

Preservative Codes = PC

1. Cool, <6° C
2. Sulfuric Acid (H_2SO_4) pH<2
3. Nitric Acid (HNO_3), pH<2
4. Hydrochloric acid (HCl)
5. Sodium Thiosulfate
6. Sodium Hydroxide(NaOH)
7. Zinc Acetate
8. Ascorbic Acid
9. FAS
10. Other

Sample type legend:

grab samples x
composite samples xx

Turnaround time:

1 day ( )
2 days ( )
3 days ( )
5 days ( )

Sampling Equipment:

Automatic Sampler ( )
Sample Pick Up (X)

Note: normal turnaround time is ten (10) working days; additional charges apply for rush orders.

Original

BECKTON
Environmental Laboratories. Inc.

ACCREDITED IN ACCORDANCE WITH nelac

REPORT OF ANALYSIS

ATTENTION: Mr. Héctor Ávila
COMPANY: AES Puerto Rico - Guayama

DATE: August 11, 2016

CONTRACT: AES – Guayama

LAB. SAMPLE ID: BEL-1602498
SAMPLE COLLECTED BY: Client (Pedro Labayen)
DATE RECEIVED0: 07/27/16

SAMPLE DATE: 07/25/16
TIME: 4:35AM

DESCRIPTION: Stormwater #003
LAB. FILE ID: 1602498
MATRIX: Water

PARAMETER	EPA METHOD	SAMPLE TYPE	UNITS	BEL-1602498 RESULT	METHOD DETECTION LIMIT	ANALYST	DATE ANALYZED
Aluminum	200.7(ICAP)	Grab	mg/L	0.427	0.005	BTR	08/08/16
Iron	200.7(ICAP)	Grab	mg/L	0.337	0.010	BTR	08/08/16
Lead	200.7(ICAP)	Grab	mg/L	<0.002	0.002	BTR	08/08/16
Zinc	200.7(ICAP)	Grab	mg/L	0.061	0.002	BTR	08/10/16

Sample was preserved in the laboratory.

Method Detection Limit (MDL)-The minimum concentration of a substance that can be measured and reported with 99% confidence that the value is above zero.

Certification and release of the data contained in the Report of Analysis has been authorized by the Laboratory Manager or the Manager's Designee. Sample results related only to the sample submitted.

Lcda. Iris M. Chévere Alfonzo
Laboratory Director
Chemist License 2370

ESTADO LIBRE ASOCIADO DE PUERTO RICO
Iris M. Chévere Alfonzo
Lic. # 2370
QUIMICO LICENCIADO
A 1591071

Attachment: Chain of Custody Records (1)

THE NELAC CERTIFIED ANALYSES MEET ALL REQUIREMENTS OF NELAC STANDARDS.
REFER OUR SERVICE DEPARTMENT FOR THE CURRENT LIST OF CERTIFIED ANALYSES.
CERTIFIED BY STATE OF FLORIDA DEPARTMENT OF HEALTH AND REHABILITATION SERVICES FOR ENVIRONMENTAL TESTING
•CERTIFICATION NUMBER E87556•
CERTIFIED BY THE PUERTO RICO DEPARTMENT OF HEALTH (PRDOH) EPA CODE #PR00012
192 VILLA STREET • PONCE, PR 00730-4875 • TEL. (787) 841-7373 • FAX (787) 841-7313

BECKTON ENVIRONMENTAL LABORATORIES
192 Villa Street • Ponce, P.R. 00730-4875
Tel. 787-841-7373 • Fax 787-841-7313

REVISION 2009

CHAIN OF CUSTODY RECORD

PROYECT NO.	COMPANY	AES Guayama	SAMPLER	Pedro Lava Yen
SAMPLE LOCATION/CLIENT ID	Storm Water 003	TIME	4:35 AM/PM	CONTROL NO.
SAMPLE DATE	7/25/16	BEL. NO.	1602498	187608

1. General Environmental:		PC	VSS		PC
Acidity	( )		Alkalinity	( )	
Ammonia as N	( )		Bicarbonate	( )	
BOD-5	( )		Bromide	( )	
Chloride	( )		Chlorine, Res.	( )	
COD	( )		Color (ADMI)	( )	
Conductivity µmhos/cm	( )		Color (Pt-Co)	( )	
Dissolved Oxygen	( )		Cyanide	( )	
Hardness	( )		Fluoride	( )	
Moisture %	( )		Iodide	( )	
Nitrite	( )		Nitrate	( )	
Oil+Grease	( )		Nitrate + Nitrite	( )	
Phenol	( )		pH, S.U.	( )	
Phosphorus, Total	( )		Phosphate, Ortho	( )	
Sett Solids mg/L	( )		Sett. Solids mL/L	( )	
Sulfate	( )		Solids, Total	( )	
Sulfite	( )		Sulfide	( )	
TDS	( )		Surfactant	( )	
Temperature, °C	( )		TSS	( )	
TOC	( )		TKN	( )	
Asbestos	( )		Turbidity	( )	
TVS	( )		Carbonate	( )	
Total Nitrogen	( )				
2. Metals:					
Aluminum (Al)	(X)	1	Cadmium (Cd)	( )	
Chromium (Cr)	( )		Copper (Cu)	( )	
Iron (Fe)	(X)	1	Lead (Pb)	(X)	1
Manganese (Mn)	( )		Mercury (Hg)	( )	
Nickel (Ni)	( )		Selenium (Se)	( )	
Silver (Ag)	( )		Tin (Sn)	( )	
Zinc (Zn)	(X)	1	Arsenic (As)	( )	
Barium (Ba)	( )		Boron (B)	( )	
Antimony (Sb)	( )		Beryllium (Be)	( )	
Bismuth (Bi)	( )		Calcium (Ca)	( )	
Chromium, VI (CrVI)	( )		Cobalt (Co)	( )	
Magnesium (Mg)	( )		Molybdenum (Mo)	( )	
Potassium (K)	( )		Silicon (Si)	( )	
Sodium (Na)	( )		Strontium (Sr)	( )	
Thallium (Tl)	( )		Titanium (Ti)	( )	
Vanadium (V)	( )		Lithium (Li)	( )	
3. RCRA/Hazardous wastes					
Ignitability (Flash Pt.)	( )		Corrosivity	( )	
Reactivity (CN & S)	( )		TCLP	( )	
RCRA Metals	( )		Organics-Pest/Herb	( )	
Organics-BNA	( )		Organics-VOA	( )	
TOX	( )				
4. Specific Organics			Phenols GC	( )	
Volatiles	( )		Semi-Volitiles (BNA)	( )	
Pesticides/PCB's	( )		PCB's Only	( )	
Herbicides	( )		TPH 418.1	( )	
BTEX	( )		TTO	( )	
TTO & Dioxin	( )		TPH 8015	( )	
			Lindane	( )	
5. Microbiology					
Fecal Coliform	( )		Total Coliform	( )	

Comments: Muestra sera preservada en el Laboratorio de Beckton

Sampling Witness; _____
Date/Time: _____
Relinquished by: [signature]
Date/Time: 7/27/16 11:43 am
Received by: [signature]
Date/Time: 7/27/16 11:43 Am
Relinquished by: [signature]
Date/Time: 7/27/16 2:28 Pm
Received by: [signature]
Date/Time: 7/27/16 2:28 pm
Relinquished by: _____
Date/Time: _____
Received by: _____
Date/Time: _____

Matrix

air	( )	water	(X)	sludge	( )
liquid	( )	soil	( )	solid	( )
oil	( )	mixed	( )	other	( )

Specify: _____

Preservative Codes = PC

1. Cool, <6° C
2. Sulfuric Acid (H_2SO_4) pH<2
3. Nitric Acid (HNO_3), pH<2
4. Hydrochloric acid (HCl)
5. Sodium Thiosulfate
6. Sodium Hydroxide(NaOH)
7. Zinc Acetate
8. Ascorbic Acid
9. FAS
10. Other

Sample type legend:

grab samples x
composite samples xx

Turnaround time:

1 day ( )
2 days ( )
3 days ( )
5 days ( )

Sampling Equipment:

Automatic Sampler ( )
Sample Pick Up (X)

Note: normal turnaround time is ten (10) working days; additional charges apply for rush orders.

Original

BECKTON
Environmental Laboratories, Inc.

RECEIVED
SEP 19 2016

ACCREDITED IN ACCORDANCE WITH nelac

REPORT OF ANALYSIS

ATTENTION: Mr. Héctor Ávila
COMPANY: AES Puerto Rico - Guayama

DATE: September 1, 2016

CONTRACT: AES – Guayama

LAB. SAMPLE ID: BEL-1602871
SAMPLE COLLECTED BY: Client (Pedro Labayen)
DATE RECEIVED0: 08/26/16

SAMPLE DATE: 08/26/16
TIME: 5:56AM

DESCRIPTION: Stormwater 002
LAB. FILE ID: 1602871
MATRIX: Water

PARAMETER	EPA METHOD	SAMPLE TYPE	UNITS	BEL-1602871 RESULT	METHOD DETECTION LIMIT	ANALYST	DATE ANALYZED
Aluminum	200.7(ICAP)	Grab	mg/L	5.00	0.005	HS	08/31/16
Iron	200.7(ICAP)	Grab	mg/L	4.90	0.010	HS	08/31/16
Lead	200.7(ICAP)	Grab	mg/L	<0.002	0.002	HS	08/31/16
Zinc	200.7(ICAP)	Grab	mg/L	0.025	0.002	HS	08/31/16

Sample was preserved in the laboratory.

Method Detection Limit (MDL)-The minimum concentration of a substance that can be measured and reported with 99% confidence that the value is above zero.

Certification and release of the data contained in the Report of Analysis has been authorized by the Laboratory Manager or the Manager's Designee. Sample results related only to the sample submitted.

Lcda. Iris M. Chévere Alfonzo
Laboratory Director
Chemist License 2370

Attachment: Chain of Custody Records (1)

A 1591145

$1.00 $1.00
ESTADO LIBRE ASOCIADO DE PUERTO RICO
Lcda. Iris M. Chévere Alfonzo
Lic. # 2370
QUIMICO LICENCIADO

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REFER OUR SERVICE DEPARTMENT FOR THE CURRENT LIST OF CERTIFIED ANALYSES.
CERTIFIED BY STATE OF FLORIDA DEPARTMENT OF HEALTH AND REHABILITATION SERVICES FOR ENVIRONMENTAL TESTING
•CERTIFICATION NUMBER E87556•
CERTIFIED BY THE PUERTO RICO DEPARTMENT OF HEALTH (PRDOH) EPA CODE #PR00012
192 VILLA STREET • PONCE, PR 00730-4875 • TEL. (787) 841-7373 • FAX (787) 841-7313

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192 Villa Street • Ponce, P.R. 00730-4875
Tel. 787-841-7373 • Fax 787-841-7313

REVISION 2009

CHAIN OF CUSTODY RECORD

PROYECT NO.	COMPANY: AES Guayama	SAMPLER: Pedro Labayen
SAMPLE LOCATION/CLIENT ID	Storm Water 002	TIME: 5:56 (AM/PM)
SAMPLE DATE	8/26/16	BEL. NO.: 1602871
CONTROL NO.	187553	

1. General Environmental:		PC	VSS		PC
Acidity	( )		Alkalinity	( )	
Ammonia as N	( )		Bicarbonate	( )	
BOD-5	( )		Bromide	( )	
Chloride	( )		Chlorine, Res.	( )	
COD	( )		Color (ADMI)	( )	
Conductivity µmhos/cm	( )		Color (Pt-Co)	( )	
Dissolved Oxygen	( )		Cyanide	( )	
Hardness	( )		Fluoride	( )	
Moisture %	( )		Iodide	( )	
Nitrite	( )		Nitrate	( )	
Oil+Grease	( )		Nitrate + Nitrite	( )	
Phenol	( )		pH, S.U.	( )	
Phosphorus, Total	( )		Phosphate, Ortho	( )	
Sett Solids mg/L	( )		Sett. Solids mL/L	( )	
Sulfate	( )		Solids, Total	( )	
Sulfite	( )		Sulfide	( )	
TDS	( )		Surfactant	( )	
Temperature, °C	( )		TSS	( )	
TOC	( )		TKN	( )	
Asbestos	( )		Turbidity	( )	
TVS	( )		Carbonate	( )	
Total Nitrogen	( )				

2. Metals:							
Aluminum	(Al)	(✗)	L	Cadmium	(Cd)	( )	
Chromium	(Cr)	( )		Copper	(Cu)	( )	
Iron	(Fe)	(✗)	L	Lead	(Pb)	(✗)	L
Manganese	(Mn)	( )		Mercury	(Hg)	( )	
Nickel	(Ni)	( )		Selenium	(Se)	( )	
Silver	(Ag)	( )		Tin	(Sn)	( )	
Zinc	(Zn)	(✗)	L	Arsenic	(As)	( )	
Barium	(Ba)	( )		Boron	(B)	( )	
Antimony	(Sb)	( )		Beryllium	(Be)	( )	
Bismuth	(Bi)	( )		Calcium	(Ca)	( )	
Chromium, VI	(CrVI)	( )		Cobalt	(Co)	( )	
Magnesium	(Mg)	( )		Molybdenum	(Mo)	( )	
Potassium	(K)	( )		Silicon	(Si)	( )	
Sodium	(Na)	( )		Strontium	(Sr)	( )	
Thallium	(Tl)	( )		Titanium	(Ti)	( )	
Vanadium	(V)	( )		Lithium	(Li)	( )	

3. RCRA/Hazardous wastes				
Ignitability (Flash Pt.)	( )		Corrosivity	( )
Reactivity (CN & S)	( )		TCLP	( )
RCRA Metals	( )		Organics-Pest/Herb	( )
Organics-BNA	( )		Organics-VOA	( )
TOX	( )			

4. Specific Organics					
Volatiles	( )		Phenols GC	( )	
Pesticides/PCB's	( )		Semi-Volitiles (BNA)	( )	
Herbicides	( )		PCB's Only	( )	
BTEX	( )		TPH 418.1	( )	
TTO & Dioxin	( )		TTO	( )	
			TPH 8015	( )	
			Lindane	( )	

5. Microbiology					
Fecal Coliform	( )		Total Coliform	( )	

Comments:

Sampling Witness:
Date/Time:
Relinquished by: Pedro Labayen
Date/Time: 8-26-2016 / 1:07 pm
Received by:
Date/Time: 8/26/16 1:07pm
Relinquished by:
Date/Time: 8/26/16 2:26pm
Received by:
Date/Time: 8/26/16 2:26pm
Relinquished by:
Date/Time:
Received by:
Date/Time:

Matrix

air	( )	water	(✗)	sludge	( )
liquid	( )	soil	( )	solid	( )
oil	( )	mixed	( )	other	( )

Specify:

Preservative Codes = PC

1. Cool,<6° C
2. Sulfuric Acid (H_2SO_4) pH<2
3. Nitric Acid (HNO_3), pH<2
4. Hydrochloric acid (HCl)
5. Sodium Thiosulfate
6. Sodium Hydroxide(NaOH)
7. Zinc Acetate
8. Ascorbic Acid
9. FAS
10. Other

Sample type legend:

grab samples x
composite samples xx

Turnaround time:

1 day ( )
2 days ( )
3 days ( )
5 days ( )

Sampling Equipment:

Automatic Sampler ( )
Sample Pick Up (✗)

Note: normal turnaround time is ten (10) working days; additional charges apply for rush orders.

Original

DMR Copy of Record

Permit

Permit #:	**PRR053093**	**Permittee:**	AES PUERTO RICO, LP	**Facility:**	AES PUERTO RICO, L.P.
Major:	No	**Permittee Address:**	Road #3 km. 142 Jobos Ward Guayama, PR 00784	**Facility Location:**	ROAD #3 KM. 142 JOBOS WARD GUAYAMA, PR 00784
Permitted Feature:	002 External Outfall	**Discharge:**	**002-O1** Steam Electric Generating Facilities		

Report Dates & Status

Monitoring Period:	**From 07/01/16 to 09/30/16**	**DMR Due Date:**	**11/30/16**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Manuel	**Title:**	Plant Manager	**Telephone:**	787-866-8117
Last Name:	Mata				

No Data Indicator (NODI)

Form NODI: –

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration						# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units		
01045	Iron, total [as Fe]	1 - Effluent Gross	0	–	Sample									=		0.222	19 - mg/L	01/90 - Quarterly	GR - GRAB
					Permit Req. Value NODI									<=		1 MAXIMUM	19 - mg/L	01/90 - Quarterly	GR - GRAB

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

AES PUERTO RICO, LP

User:	manuel.mata@aes.com	Date/Time:	2016-10-05 08:21 (Time Zone: -04:00)
Name:	Manuel Mata		
E-Mail:	manuel.mata@aes.com		

DMR Copy of Record

Permit

Permit #:	PRR053093	**Permittee:**	AES PUERTO RICO, LP	**Facility:**	AES PUERTO RICO, L.P.
Major:	No	**Permittee Address:**	Road #3 km. 142 Jobos Ward Guayama, PR 00784	**Facility Location:**	ROAD #3 KM. 142 JOBOS WARD GUAYAMA, PR 00784
Permitted Feature:	002 External Outfall	**Discharge:**	**002-Q1** Water Transportation Facilities		

Report Dates & Status

Monitoring Period:	From 07/01/16 to 09/30/16	**DMR Due Date:**	**11/30/16**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Manuel	**Title:**	Plant Manager	**Telephone:**	787-866-8117
Last Name:	Mata				

No Data Indicator (NODI)

Form NODI: –

Parameter Code	Parameter Name	Monitoring Location	Season #	Param. NODI		Quantity or Loading Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Quality or Concentration Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units	# of Ex.	Frequency of Analysis	Sample Type
01045	Iron, total [as Fe]	1 - Effluent Gross	0	–	Sample										=	0.222	19 - mg/L		01/90 - Quarterly	GR - GRAB
					Permit Req.										<=	1 MAXIMUM	19 - mg/L		01/90 - Quarterly	GR - GRAB
					Value NODI															
01051	Lead, total [as Pb]	1 - Effluent Gross	0	–	Sample										=	0.004	19 - mg/L		01/90 - Quarterly	GR - GRAB
					Permit Req.										<=	.21 MAXIMUM	19 - mg/L		01/90 - Quarterly	GR - GRAB
					Value NODI															
01092	Zinc, total [as Zn]	1 - Effluent Gross	0	–	Sample										=	20	28 - ug/L		01/90 - Quarterly	GR - GRAB
					Permit Req.										<=	90 MAXIMUM	28 - ug/L		01/90 - Quarterly	GR - GRAB
					Value NODI															
01105	Aluminum, total [as Al]	1 - Effluent Gross	0	–	Sample										=	0.254	19 - mg/L		01/90 - Quarterly	GR - GRAB
					Permit Req.										<=	.75 MAXIMUM	19 - mg/L		01/90 - Quarterly	GR - GRAB
					Value NODI															

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

AES PUERTO RICO, LP

User:	manuel.mata@aes.com	Date/Time:	2016-10-05 08:24 (Time Zone: -04:00)
Name:	Manuel Mata		
E-Mail:	manuel.mata@aes.com		

DMR Copy of Record

Permit

Permit #:	**PRR053093**	**Permittee:**	AES PUERTO RICO, LP	**Facility:**	AES PUERTO RICO, L.P.
Major:	No	**Permittee Address:**	Road #3 km. 142 Jobos Ward Guayama, PR 00784	**Facility Location:**	ROAD #3 KM. 142 JOBOS WARD GUAYAMA, PR 00784
Permitted Feature:	003 External Outfall	**Discharge:**	**003-O1** Steam Electric Generating Facilities		

Report Dates & Status

Monitoring Period:	**From 07/01/16 to 09/30/16**	**DMR Due Date:**	**11/30/16**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Manuel	**Title:**	Plant Manager	**Telephone:**	787-866-8117
Last Name:	Mata				

No Data Indicator (NODI)

Form NODI: –

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading				Quality or Concentration						# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
01045	Iron, total [as Fe]	1 - Effluent Gross	0	–	Sample								=	0.337			19 - mg/L		01/90 - Quarterly	GR - GRAB
					Permit Req. Value NODI								<=	1 MAXIMUM			19 - mg/L		01/90 - Quarterly	GR - GRAB

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

AES PUERTO RICO, LP

User:	pedro.labayen@aes.com	Date/Time:	2016-09-09 15:37 (Time Zone: -04:00)
Name:	Pedro Labayen		
E-Mail:	pedro.labayen@aes.com		

DMR Copy of Record

Permit

Permit #:	PRR053093	**Permittee:**	AES PUERTO RICO, LP	**Facility:**	AES PUERTO RICO, L.P.
Major:	No	**Permittee Address:**	Road #3 km. 142 Jobos Ward Guayama, PR 00784	**Facility Location:**	ROAD #3 KM. 142 JOBOS WARD GUAYAMA, PR 00784
Permitted Feature:	003 External Outfall	**Discharge:**	003-Q1 Water Transportation Facilities		

Report Dates & Status

Monitoring Period:	From 07/01/16 to 09/30/16	**DMR Due Date:**	11/30/16	**Status:**	NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:	Manuel	**Title:**	Plant Manager	**Telephone:**	787-866-8117
Last Name:	Mata				

No Data Indicator (NODI)

Form NODI: –

Parameter Code	Parameter Name	Monitoring Location	Season #	Param. NODI		Quantity or Loading Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Quality or Concentration Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units	# of Ex.	Frequency of Analysis	Sample Type
01045	Iron, total [as Fe]	1 - Effluent Gross	0	–	Sample								=			0.337	19 - mg/L		01/90 - Quarterly	GR - GRAB
					Permit Req.								<=			1 MAXIMUM	19 - mg/L		01/90 - Quarterly	GR - GRAB
					Value NODI															
01051	Lead, total [as Pb]	1 - Effluent Gross	0	–	Sample								<			0.002	19 - mg/L		01/90 - Quarterly	GR - GRAB
					Permit Req.								<=			.21 MAXIMUM	19 - mg/L		01/90 - Quarterly	GR - GRAB
					Value NODI															
01092	Zinc, total [as Zn]	1 - Effluent Gross	0	–	Sample								=			61	28 - ug/L		01/90 - Quarterly	GR - GRAB
					Permit Req.								<=			90 MAXIMUM	28 - ug/L		01/90 - Quarterly	GR - GRAB
					Value NODI															
01105	Aluminum, total [as Al]	1 - Effluent Gross	0	–	Sample								=			0.427	19 - mg/L		01/90 - Quarterly	GR - GRAB
					Permit Req.								<=			.75 MAXIMUM	19 - mg/L		01/90 - Quarterly	GR - GRAB
					Value NODI															

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

AES PUERTO RICO, LP

User:	pedro.labayen@aes.com	Date/Time:	2016-09-09 15:37 (Time Zone: -04:00)
Name:	Pedro Labayen		
E-Mail:	pedro.labayen@aes.com		

BECKTON
Environmental Laboratories. Inc.

ACCREDITED IN ACCORDANCE WITH nelac

REPORT OF ANALYSIS

ATTENTION: Mr. Héctor Ávila
COMPANY: AES Puerto Rico - Guayama

DATE: November 16, 2016

CONTRACT: AES – Guayama

LAB. SAMPLE ID: BEL-1603816
SAMPLE COLLECTED BY: Client (H. Ávila)
DATE RECEIVED0: 10/20/16

SAMPLE DATE: 10/19/16
TIME: 13:20

DESCRIPTION: Stormwater 001
LAB. FILE ID: 1603816
MATRIX: Water

PARAMETER	EPA METHOD	SAMPLE TYPE	UNITS	BEL-1603816 RESULT	METHOD DETECTION LIMIT	ANALYST	DATE ANALYZED
Aluminum	200.7(ICAP)	Grab	mg/L	1.13	0.005	BTR	11/15/16
Iron	200.7(ICAP)	Grab	mg/L	0.776	0.010	BTR	11/15/16
Lead	200.7(ICAP)	Grab	mg/L	<0.002	0.002	BTR	11/15/16
Zinc	200.7(ICAP)	Grab	mg/L	0.287	0.002	BTR	11/15/16

Sample was preserved in the laboratory.

Method Detection Limit (MDL)-The minimum concentration of a substance that can be measured and reported with 99% confidence that the value is above zero.

Certification and release of the data contained in the Report of Analysis has been authorized by the Laboratory Manager or the Manager's Designee. Sample results related only to the sample submitted.

Lcda. Iris M. Chévere Alfonzo
Laboratory Director
Chemist License 2370

Attachment: Chain of Custody Records (1)

$1.00 $1.00 A1606001

ESTADO LIBRE ASOCIADO DE PUERTO RICO
Iris M. Chévere Alfonzo
Lic # 2370
QUIMICO LICENCIADO

THE NELAC CERTIFIED ANALYSES MEET ALL REQUIREMENTS OF NELAC STANDARDS.
REFER OUR SERVICE DEPARTMENT FOR THE CURRENT LIST OF CERTIFIED ANALYSES.
CERTIFIED BY STATE OF FLORIDA DEPARTMENT OF HEALTH AND REHABILITATION SERVICES FOR ENVIRONMENTAL TESTING
•CERTIFICATION NUMBER E87556•
CERTIFIED BY THE PUERTO RICO DEPARTMENT OF HEALTH (PRDOH) EPA CODE #PR00012
192 VILLA STREET • PONCE, PR 00730-4875 • TEL. (787) 841-7373 • FAX (787) 841-7313

BECKTON ENVIRONMENTAL LABORATORIES
192 Villa Street • Ponce, P.R. 00730-4875
Tel. 787-841-7373 • Fax 787-841-7313

REVISION 2009

CHAIN OF CUSTODY RECORD

PROYECT NO.	COMPANY: AES Guayama	SAMPLER: H. Avila / client
SAMPLE LOCATION/CLIENT ID	Stormwater 001	TIME: 13:20 AM PM
SAMPLE DATE	10-19-16	BEL. NO.: 1603816
CONTROL NO.	187522	

1. General Environmental:		PC	VSS		PC
Acidity	( )		Alkalinity	( )	
Ammonia as N	( )		Bicarbonate	( )	
BOD-5	( )		Bromide	( )	
Chloride	( )		Chlorine, Res.	( )	
COD	( )		Color (ADMI)	( )	
Conductivity µmhos/cm	( )		Color (Pt-Co)	( )	
Dissolved Oxygen	( )		Cyanide	( )	
Hardness	( )		Fluoride	( )	
Moisture %	( )		Iodide	( )	
Nitrite	( )		Nitrate	( )	
Oil+Grease	( )		Nitrate + Nitrite	( )	
Phenol	( )		pH, S.U.	( )	
Phosphorus, Total	( )		Phosphate, Ortho	( )	
Sett Solids mg/L	( )		Sett. Solids mL/L	( )	
Sulfate	( )		Solids, Total	( )	
Sulfite	( )		Sulfide	( )	
TDS	( )		Surfactant	( )	
Temperature, °C	( )		TSS	( )	
TOC	( )		TKN	( )	
Asbestos	( )		Turbidity	( )	
TVS	( )		Carbonate	( )	
Total Nitrogen	( )				

2. Metals:							
Aluminum	(Al)	(X)	1,3	Cadmium	(Cd)	( )	
Chromium	(Cr)	( )		Copper	(Cu)	( )	
Iron	(Fe)	(X)	1,3	Lead	(Pb)	(X)	1,2
Manganese	(Mn)	( )		Mercury	(Hg)	( )	
Nickel	(Ni)	( )		Selenium	(Se)	( )	
Silver	(Ag)	( )		Tin	(Sn)	( )	
Zinc	(Zn)	(X)	1,2	Arsenic	(As)	( )	
Barium	(Ba)	( )		Boron	(B)	( )	
Antimony	(Sb)	( )		Beryllium	(Be)	( )	
Bismuth	(Bi)	( )		Calcium	(Ca)	( )	
Chromium, VI	(CrVI)	( )		Cobalt	(Co)	( )	
Magnesium	(Mg)	( )		Molybdenum	(Mo)	( )	
Potassium	(K)	( )		Silicon	(Si)	( )	
Sodium	(Na)	( )		Strontium	(Sr)	( )	
Thallium	(Tl)	( )		Titanium	(Ti)	( )	
Vanadium	(V)	( )		Lithium	(Li)	( )	

3. RCRA/Hazardous wastes					
Ignitability (Flash Pt.)	( )		Corrosivity	( )	
Reactivity (CN & S)	( )		TCLP	( )	
RCRA Metals	( )		Organics-Pest/Herb	( )	
Organics-BNA	( )		Organics-VOA	( )	
TOX	( )				

4. Specific Organics					
Volatiles	( )		Phenols GC	( )	
Pesticides/PCB's	( )		Semi-Volitiles (BNA)	( )	
Herbicides	( )		PCB's Only	( )	
BTEX	( )		TPH 418.1	( )	
TTO & Dioxin	( )		TTO	( )	
			TPH 8015	( )	
			Lindane	( )	

5. Microbiology					
Fecal Coliform	( )		Total Coliform	( )	

Comments:

Sampling Witness;

Date/Time:

Relinquished by:

Date/Time: 10/20/16 9:20

Received by:

Date/Time: 10-20-16 9:20

Relinquished by:

Date/Time: 10-20-16 11:22 Am

Received by:

Date/Time: 10/20/16 11:22am

Relinquished by:

Date/Time:

Received by:

Date/Time:

Matrix

air	( )	water	(X)	sludge	( )
liquid	( )	soil	( )	solid	( )
oil	( )	mixed	( )	other	( )

Specify:

Preservative Codes = PC

1. Cool,<6° C
2. Sulfuric Acid (H_2SO_4) pH<2
3. Nitric Acid (HNO_3), pH<2
4. Hydrochloric acid (HCl)
5. Sodium Thiosulfate
6. Sodium Hydroxide(NaOH)
7. Zinc Acetate
8. Ascorbic Acid
9. FAS
10. Other

Sample type legend:

grab samples x
composite samples xx

Turnaround time:

1 day ( )
2 days ( )
3 days ( )
5 days ( )

Sampling Equipment:

Automatic Sampler ( )
Sample Pick Up ( )

Note: normal turnaround time is ten (10) working days; additional charges apply for rush orders.

Original

DMR Copy of Record

Permit

Permit #:	PRR053093	**Permittee:**	AES PUERTO RICO, LP	**Facility:**	AES PUERTO RICO, L.P.
Major:	No	**Permittee Address:**	Road #3 km. 142 Jobos Ward Guayama, PR 00784	**Facility Location:**	ROAD #3 KM. 142 JOBOS WARD GUAYAMA, PR 00784
Permitted Feature:	001 External Outfall	**Discharge:**	001-O1 Steam Electric Generating Facilities		

Report Dates & Status

Monitoring Period:	From 10/01/16 to 12/31/16	**DMR Due Date:**	02/28/17	**Status:**	NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:	Manuel	**Title:**	Plant Manager	**Telephone:**	787-866-8117
Last Name:	Mata				

No Data Indicator (NODI)

Form NODI: –

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading				Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units		
01045	Iron, total [as Fe]	1 - Effluent Gross	0	–	Sample									=		0.776	19 - mg/L	01/90 - Quarterly	GR - GRAB
					Permit Req. Value NODI									<=		1 MAXIMUM	19 - mg/L	01/90 - Quarterly	GR - GRAB

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

AES PUERTO RICO, LP

User:	manuel.mata@aes.com	Date/Time:	2016-12-16 08:39 (Time Zone: -05:00)
Name:	Manuel Mata		
E-Mail:	manuel.mata@aes.com		

DMR Copy of Record

Permit

Permit #:	PRR053093	**Permittee:**	AES PUERTO RICO, LP	**Facility:**	AES PUERTO RICO, L.P.
Major:	No	**Permittee Address:**	Road #3 km. 142 Jobos Ward Guayama, PR 00784	**Facility Location:**	ROAD #3 KM. 142 JOBOS WARD GUAYAMA, PR 00784
Permitted Feature:	001 External Outfall	**Discharge:**	001-Q1 Water Transportation Facilities		

Report Dates & Status

Monitoring Period:	From 10/01/16 to 12/31/16	**DMR Due Date:**	02/28/17	**Status:**	NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:	Manuel	**Title:**	Plant Manager	**Telephone:**	787-866-8117
Last Name:	Mata				

No Data Indicator (NODI)

Form NODI: –

	Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration						# of Ex.	Frequency of Analysis	Sample Type
	Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units		
	01045	Iron, total [as Fe]	1 - Effluent Gross	0	–	Sample								=	0.776			19 - mg/L	01/90 - Quarterly	GR - GRAB
						Permit Req.								<=	1 MAXIMUM			19 - mg/L	01/90 - Quarterly	GR - GRAB
						Value NODI														
	01051	Lead, total [as Pb]	1 - Effluent Gross	0	–	Sample								<	0.002			19 - mg/L	01/90 - Quarterly	GR - GRAB
						Permit Req.								<=	.21 MAXIMUM			19 - mg/L	01/90 - Quarterly	GR - GRAB
						Value NODI														
X	01092	Zinc, total [as Zn]	1 - Effluent Gross	0	–	Sample								=	287			28 - ug/L	01/90 - Quarterly	GR - GRAB
						Permit Req.								<=	90 MAXIMUM			28 - ug/L	01/90 - Quarterly	GR - GRAB
						Value NODI														
X	01105	Aluminum, total [as Al]	1 - Effluent Gross	0	–	Sample								=	1.13			19 - mg/L	01/90 - Quarterly	GR - GRAB
						Permit Req.								<=	.75 MAXIMUM			19 - mg/L	01/90 - Quarterly	GR - GRAB
						Value NODI														

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

Parameter		Monitoring Location	Field	Type	Description	Acknowledge
Code	Name					
01092	Zinc, total [as Zn]	1 - Effluent Gross	Quality or Concentration Sample Value 3	Soft	The provided sample value is outside the permit limit. (Error Code: 1)	Yes
01105	Aluminum, total [as Al]	1 - Effluent Gross	Quality or Concentration Sample Value 3	Soft	The provided sample value is outside the permit limit. (Error Code: 1)	Yes

Comments

Attachments

No attachments.

Report Last Saved By

AES PUERTO RICO, LP

User:	manuel.mata@aes.com	Date/Time:	2016-12-16 08:55 (Time Zone: -05:00)
Name:	Manuel Mata		
E-Mail:	manuel.mata@aes.com		

BECKTON
Environmental Laboratories. Inc.

ACCREDITED IN ACCORDANCE WITH nelac

REPORT OF ANALYSIS

ATTENTION: Mr. Héctor Ávila
COMPANY: AES Puerto Rico - Guayama

DATE: November 16, 2016

CONTRACT: AES – Guayama

LAB. SAMPLE ID: BEL-1603817
SAMPLE COLLECTED BY: Client (H. Ávila)
DATE RECEIVED0: 10/20/16

SAMPLE DATE: 10/18/16
TIME: 11:49

DESCRIPTION: Stormwater 002
LAB. FILE ID: 1603817
MATRIX: Water

PARAMETER	EPA METHOD	SAMPLE TYPE	UNITS	BEL-1603817 RESULT	METHOD DETECTION LIMIT	ANALYST	DATE ANALYZED
Aluminum	200.7(ICAP)	Grab	mg/L	0.207	0.005	BTR	11/15/16
Iron	200.7(ICAP)	Grab	mg/L	0.222	0.010	BTR	11/15/16
Lead	200.7(ICAP)	Grab	mg/L	<0.002	0.002	BTR	11/15/16
Zinc	200.7(ICAP)	Grab	mg/L	0.038	0.002	BTR	11/15/16

Sample was preserved in the laboratory.

Method Detection Limit (MDL)-The minimum concentration of a substance that can be measured and reported with 99% confidence that the value is above zero.

Certification and release of the data contained in the Report of Analysis has been authorized by the Laboratory Manager or the Manager's Designee. Sample results related only to the sample submitted.

Lcda. Iris M. Chévere Alfonzo
Laboratory Director
Chemist License 2370

Attachment: Chain of Custody Reco

$1.00 $1.00
A 1605994
ESTADO LIBRE ASOCIADO DE PUERTO RICO
Iris M. Chévere Alfonzo
Lic # 2370
QUIMICO LICENCIADO

THE NELAC CERTIFIED ANALYSES MEET ALL REQUIREMENTS OF NELAC STANDARDS.
REFER OUR SERVICE DEPARTMENT FOR THE CURRENT LIST OF CERTIFIED ANALYSES.
CERTIFIED BY STATE OF FLORIDA DEPARTMENT OF HEALTH AND REHABILITATION SERVICES FOR ENVIRONMENTAL TESTING
•CERTIFICATION NUMBER E87556•
CERTIFIED BY THE PUERTO RICO DEPARTMENT OF HEALTH (PRDOH) EPA CODE #PR00012
192 VILLA STREET • PONCE, PR 00730-4875 • TEL. (787) 841-7373 • FAX (787) 841-7313

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192 Villa Street • Ponce, P.R. 00730-4875
Tel. 787-841-7373 • Fax 787-841-7313

REVISION 2009

CHAIN OF CUSTODY RECORD

PROYECT NO.	COMPANY: AES Guayama	SAMPLER: H. Avila / client

SAMPLE LOCATION/CLIENT ID	stormwater 002	TIME	11:49 AM PM	CONTROL NO.
SAMPLE DATE	10-18-16	BEL. NO.	1603817	187557

1. General Environmental:		PC	VSS		PC
Acidity	( )		Alkalinity	( )	
Ammonia as N	( )		Bicarbonate	( )	
BOD-5	( )		Bromide	( )	
Chloride	( )		Chlorine, Res.	( )	
COD	( )		Color (ADMI)	( )	
Conductivity µmhos/cm	( )		Color (Pt-Co)	( )	
Dissolved Oxygen	( )		Cyanide	( )	
Hardness	( )		Fluoride	( )	
Moisture %	( )		Iodide	( )	
Nitrite	( )		Nitrate	( )	
Oil+Grease	( )		Nitrate + Nitrite	( )	
Phenol	( )		pH, S.U.	( )	
Phosphorus, Total	( )		Phosphate, Ortho	( )	
Sett Solids mg/L	( )		Sett. Solids mL/L	( )	
Sulfate	( )		Solids, Total	( )	
Sulfite	( )		Sulfide	( )	
TDS	( )		Surfactant	( )	
Temperature, °C	( )		TSS	( )	
TOC	( )		TKN	( )	
Asbestos	( )		Turbidity	( )	
TVS	( )		Carbonate	( )	
Total Nitrogen	( )				
2. Metals:					
Aluminum (Al)	(X)	1,3	Cadmium (Cd)	( )	
Chromium (Cr)	( )		Copper (Cu)	( )	
Iron (Fe)	(X)	1,3	Lead (Pb)	(X)	1,3
Manganese (Mn)	( )		Mercury (Hg)	( )	
Nickel (Ni)	( )		Selenium (Se)	( )	
Silver (Ag)	( )		Tin (Sn)	( )	
Zinc (Zn)	(X)	1,2	Arsenic (As)	( )	
Barium (Ba)	( )		Boron (B)	( )	
Antimony (Sb)	( )		Beryllium (Be)	( )	
Bismuth (Bi)	( )		Calcium (Ca)	( )	
Chromium, VI (CrVI)	( )		Cobalt (Co)	( )	
Magnesium (Mg)	( )		Molybdenum (Mo)	( )	
Potassium (K)	( )		Silicon (Si)	( )	
Sodium (Na)	( )		Strontium (Sr)	( )	
Thallium (Tl)	( )		Titanium (Ti)	( )	
Vanadium (V)	( )		Lithium (Li)	( )	
3. RCRA/Hazardous wastes					
Ignitability (Flash Pt.)	( )		Corrosivity	( )	
Reactivity (CN & S)	( )		TCLP	( )	
RCRA Metals	( )		Organics-Pest/Herb	( )	
Organics-BNA	( )		Organics-VOA	( )	
TOX	( )				
4. Specific Organics			Phenols GC	( )	
Volatiles	( )		Semi-Volitiles (BNA)	( )	
Pesticides/PCB's	( )		PCB's Only	( )	
Herbicides	( )		TPH 418.1	( )	
BTEX	( )		TTO	( )	
TTO & Dioxin	( )		TPH 8015	( )	
			Lindane	( )	
5. Microbiology					
Fecal Coliform	( )		Total Coliform	( )	

Comments:

Sampling Witness;
Date/Time:
Relinquished by: [signature]
Date/Time: 10/20/16 9:20
Received by: [signature]
Date/Time: 10-20-16 9:20
Relinquished by: [signature]
Date/Time: 10-20-16 11:22 Am
Received by: [signature]
Date/Time: 10/20/16 11:22am
Relinquished by:
Date/Time:
Received by:
Date/Time:

Matrix

air	( )	water	(X)	sludge	( )
liquid	( )	soil	( )	solid	( )
oil	( )	mixed	( )	other	( )

Specify:

Preservative Codes = PC

1. Cool,<6°C
2. Sulfuric Acid (H_2SO_4) pH<2
3. Nitric Acid (HNO_3), pH<2
4. Hydrochloric acid (HCl)
5. Sodium Thiosulfate
6. Sodium Hydroxide(NaOH)
7. Zinc Acetate
8. Ascorbic Acid
9. FAS
10. Other

Sample type legend:

grab samples x
composite samples xx

Turnaround time:

1 day ( )
2 days ( )
3 days ( )
5 days ( )

Sampling Equipment:

Automatic Sampler ( )
Sample Pick Up ( )

Note: normal turnaround time is ten (10) working days; additional charges apply for rush orders.

Original

DMR Copy of Record

Permit

Permit #:	**PRR053093**	**Permittee:**	AES PUERTO RICO, LP	**Facility:**	AES PUERTO RICO, L.P.
Major:	No	**Permittee Address:**	Road #3 km. 142 Jobos Ward Guayama, PR 00784	**Facility Location:**	ROAD #3 KM. 142 JOBOS WARD GUAYAMA, PR 00784
Permitted Feature:	002 External Outfall	**Discharge:**	**002-O1** Steam Electric Generating Facilities		

Report Dates & Status

Monitoring Period:	**From 10/01/16 to 12/31/16**	**DMR Due Date:**	**02/28/17**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Manuel	**Title:**	Plant Manager	**Telephone:**	787-866-8117
Last Name:	Mata				

No Data Indicator (NODI)

Form NODI: –

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading				Quality or Concentration						# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
01045	Iron, total [as Fe]	1 - Effluent Gross	0	–	Sample									=		0.222	19 - mg/L		01/90 - Quarterly	GR - GRAB
					Permit Req. Value NODI									<=		1 MAXIMUM	19 - mg/L		01/90 - Quarterly	GR - GRAB

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

AES PUERTO RICO, LP

User:	manuel.mata@aes.com	Date/Time:	2016-12-16 08:46 (Time Zone: -05:00)
Name:	Manuel Mata		
E-Mail:	manuel.mata@aes.com		

DMR Copy of Record

Permit

Permit #:	PRR053093	**Permittee:**	AES PUERTO RICO, LP	**Facility:**	AES PUERTO RICO, L.P.
Major:	No	**Permittee Address:**	Road #3 km. 142 Jobos Ward Guayama, PR 00784	**Facility Location:**	ROAD #3 KM. 142 JOBOS WARD GUAYAMA, PR 00784
Permitted Feature:	002 External Outfall	**Discharge:**	**002-Q1** Water Transportation Facilities		

Report Dates & Status

Monitoring Period:	**From 10/01/16 to 12/31/16**	**DMR Due Date:**	**02/28/17**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Manuel	**Title:**	Plant Manager	**Telephone:**	787-866-8117
Last Name:	Manuel				

No Data Indicator (NODI)

Form NODI: –

Parameter Code	Parameter Name	Monitoring Location	Season #	Param. NODI		Quantity or Loading Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Quality or Concentration Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units	# of Ex.	Frequency of Analysis	Sample Type
					Sample										=	0.222	19 - mg/L		01/90 - Quarterly	GR - GRAB
01045	Iron, total [as Fe]	1 - Effluent Gross	0	–	**Permit Req.**										<=	1 MAXIMUM	19 - mg/L		01/90 - Quarterly	GR - GRAB
					Value NODI															
					Sample										<	0.002	19 - mg/L		01/90 - Quarterly	GR - GRAB
01051	Lead, total [as Pb]	1 - Effluent Gross	0	–	**Permit Req.**										<=	.21 MAXIMUM	19 - mg/L		01/90 - Quarterly	GR - GRAB
					Value NODI															
					Sample										=	38	28 - ug/L		01/90 - Quarterly	GR - GRAB
01092	Zinc, total [as Zn]	1 - Effluent Gross	0	–	**Permit Req.**										<=	90 MAXIMUM	28 - ug/L		01/90 - Quarterly	GR - GRAB
					Value NODI															
					Sample										=	0.207	19 - mg/L		01/90 - Quarterly	GR - GRAB
01105	Aluminum, total [as Al]	1 - Effluent Gross	0	–	**Permit Req.**										<=	.75 MAXIMUM	19 - mg/L		01/90 - Quarterly	GR - GRAB
					Value NODI															

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

AES PUERTO RICO, LP

User:	manuel.mata@aes.com	Date/Time:	2016-12-16 08:56 (Time Zone: -05:00)
Name:	Manuel Mata		
E-Mail:	manuel.mata@aes.com		

BECKTON
Environmental Laboratories. Inc.

ACCREDITED IN ACCORDANCE WITH nelac

REPORT OF ANALYSIS

ATTENTION: Mr. Héctor Ávila
COMPANY: AES Puerto Rico - Guayama

DATE: November 16, 2016

CONTRACT: AES – Guayama

LAB. SAMPLE ID: BEL-1603818
SAMPLE COLLECTED BY: Client (H. Ávila)
DATE RECEIVED0: 10/20/16

SAMPLE DATE: 10/18/16
TIME: 11:55

DESCRIPTION: Stormwater 003
LAB. FILE ID: 1603818
MATRIX: Water

PARAMETER	EPA METHOD	SAMPLE TYPE	UNITS	BEL-1603818 RESULT	METHOD DETECTION LIMIT	ANALYST	DATE ANALYZED
Aluminum	200.7(ICAP)	Grab	mg/L	0.242	0.005	BTR	11/15/16
Iron	200.7(ICAP)	Grab	mg/L	0.188	0.010	BTR	11/15/16
Lead	200.7(ICAP)	Grab	mg/L	<0.002	0.002	BTR	11/15/16
Zinc	200.7(ICAP)	Grab	mg/L	0.034	0.002	BTR	11/15/16

Sample was preserved in the laboratory.

Method Detection Limit (MDL)-The minimum concentration of a substance that can be measured and reported with 99% confidence that the value is above zero.

Certification and release of the data contained in the Report of Analysis has been authorized by the Laboratory Manager or the Manager's Designee. Sample results related only to the sample submitted.

Lcda. Iris M. Chévere Alfonzo
Laboratory Director
Chemist License 2370

Attachment: Chain of Custody Records (1)

$1.00 $1.00 A 1605995

ESTADO LIBRE ASOCIADO DE PUERTO RICO
Iris M. Chévere Alfonzo
Lic. # 2370
QUIMICO LICENCIADO

THE NELAC CERTIFIED ANALYSES MEET ALL REQUIREMENTS OF NELAC STANDARDS.
REFER OUR SERVICE DEPARTMENT FOR THE CURRENT LIST OF CERTIFIED ANALYSES.
CERTIFIED BY STATE OF FLORIDA DEPARTMENT OF HEALTH AND REHABILITATION SERVICES FOR ENVIRONMENTAL TESTING
•CERTIFICATION NUMBER E87556•
CERTIFIED BY THE PUERTO RICO DEPARTMENT OF HEALTH (PRDOH) EPA CODE #PR00012
192 VILLA STREET • PONCE, PR 00730-4875 • TEL. (787) 841-7373 • FAX (787) 841-7313

BECKTON ENVIRONMENTAL LABORATORIES
192 Villa Street • Ponce, P.R. 00730-4875
Tel. 787-841-7373 • Fax 787-841-7313

REVISION 2009

CHAIN OF CUSTODY RECORD

PROYECT NO.	COMPANY: AES Guayama	SAMPLER: H. Avila / Client

SAMPLE LOCATION/CLIENT ID	Stormwater 003	TIME	11:55 AM/PM	CONTROL NO.
SAMPLE DATE	10-18-16	BEL. NO.	1603818	187559

1. General Environmental:		PC	VSS		PC
Acidity	( )		Alkalinity	( )	
Ammonia as N	( )		Bicarbonate	( )	
BOD-5	( )		Bromide	( )	
Chloride	( )		Chlorine, Res.	( )	
COD	( )		Color (ADMI)	( )	
Conductivity µmhos/cm	( )		Color (Pt-Co)	( )	
Dissolved Oxygen	( )		Cyanide	( )	
Hardness	( )		Fluoride	( )	
Moisture %	( )		Iodide	( )	
Nitrite	( )		Nitrate	( )	
Oil+Grease	( )		Nitrate + Nitrite	( )	
Phenol	( )		pH, S.U.	( )	
Phosphorus, Total	( )		Phosphate, Ortho	( )	
Sett Solids mg/L	( )		Sett. Solids mL/L	( )	
Sulfate	( )		Solids, Total	( )	
Sulfite	( )		Sulfide	( )	
TDS	( )		Surfactant	( )	
Temperature, °C	( )		TSS	( )	
TOC	( )		TKN	( )	
Asbestos	( )		Turbidity	( )	
TVS	( )		Carbonate	( )	
Total Nitrogen	( )				

2. Metals:							
Aluminum	(Al)	(X)	1,3	Cadmium	(Cd)	( )	
Chromium	(Cr)	( )		Copper	(Cu)	( )	
Iron	(Fe)	(X)	1,3	Lead	(Pb)	(X)	1,3
Manganese	(Mn)	( )		Mercury	(Hg)	( )	
Nickel	(Ni)	( )		Selenium	(Se)	( )	
Silver	(Ag)	( )		Tin	(Sn)	( )	
Zinc	(Zn)	(X)	1,3	Arsenic	(As)	( )	
Barium	(Ba)	( )		Boron	(B)	( )	
Antimony	(Sb)	( )		Beryllium	(Be)	( )	
Bismuth	(Bi)	( )		Calcium	(Ca)	( )	
Chromium, VI	(CrVI)	( )		Cobalt	(Co)	( )	
Magnesium	(Mg)	( )		Molybdenum	(Mo)	( )	
Potassium	(K)	( )		Silicon	(Si)	( )	
Sodium	(Na)	( )		Strontium	(Sr)	( )	
Thallium	(Tl)	( )		Titanium	(Ti)	( )	
Vanadium	(V)	( )		Lithium	(Li)	( )	

3. RCRA/Hazardous wastes				
Ignitability (Flash Pt.)	( )		Corrosivity	( )
Reactivity (CN & S)	( )		TCLP	( )
RCRA Metals	( )		Organics-Pest/Herb	( )
Organics-BNA	( )		Organics-VOA	( )
TOX	( )			

4. Specific Organics					
Volatiles	( )		Phenols GC	( )	
Pesticides/PCB's	( )		Semi-Volitiles (BNA)	( )	
Herbicides	( )		PCB's Only	( )	
BTEX	( )		TPH 418.1	( )	
TTO & Dioxin	( )		TTO	( )	
			TPH 8015	( )	
			Lindane	( )	

5. Microbiology					
Fecal Coliform	( )		Total Coliform	( )	

Comments: _____

Sampling Witness; _____
Date/Time: _____
Relinquished by: [signature]
Date/Time: 10/20/16 9:20
Received by: [signature]
Date/Time: 10-20-16 9:20
Relinquished by: [signature]
Date/Time: 10-20-16 11:22 AM
Received by: [signature]
Date/Time: 10/20/16 11:22am
Relinquished by: _____
Date/Time: _____
Received by: _____
Date/Time: _____

Matrix

air	( )	water	(X)	sludge	( )
liquid	( )	soil	(X)	solid	( )
oil	( )	mixed	( )	other	( )

Specify: _____

Preservative Codes = PC

1. Cool, <6° C
2. Sulfuric Acid (H_2SO_4) pH<2
3. Nitric Acid (HNO_3), pH<2
4. Hydrochloric acid (HCl)
5. Sodium Thiosulfate
6. Sodium Hydroxide(NaOH)
7. Zinc Acetate
8. Ascorbic Acid
9. FAS
10. Other

Sample type legend:

grab samples x
composite samples xx

Turnaround time:

1 day ( )
2 days ( )
3 days ( )
5 days ( )

Sampling Equipment:

Automatic Sampler ( )
Sample Pick Up ( )

Note: normal turnaround time is ten (10) working days; additional charges apply for rush orders.

Original

DMR Copy of Record

Permit

Permit #:	**PRR053093**	**Permittee:**	AES PUERTO RICO, LP	**Facility:**	AES PUERTO RICO, L.P.
Major:	No	**Permittee Address:**	Road #3 km. 142 Jobos Ward Guayama, PR 00784	**Facility Location:**	ROAD #3 KM. 142 JOBOS WARD GUAYAMA, PR 00784
Permitted Feature:	003 External Outfall	**Discharge:**	**003-O1** Steam Electric Generating Facilities		

Report Dates & Status

Monitoring Period:	**From 10/01/16 to 12/31/16**	**DMR Due Date:**	**02/28/17**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Manuel	**Title:**	Plant Manager	**Telephone:**	787-866-8117
Last Name:	Mata				

No Data Indicator (NODI)

Form NODI: –

Parameter Code	Parameter Name	Monitoring Location	Season #	Param. NODI		Quantity or Loading Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Quality or Concentration Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units	# of Ex.	Frequency of Analysis	Sample Type
01045	Iron, total [as Fe]	1 - Effluent Gross	0	–	Sample										=	0.188	19 - mg/L		01/90 - Quarterly	GR - GRAB
					Permit Req. Value NODI										<=	1 MAXIMUM	19 - mg/L		01/90 - Quarterly	GR - GRAB

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

AES PUERTO RICO, LP

User:	manuel.mata@aes.com	Date/Time:	2016-11-28 09:06 (Time Zone: -05:00)
Name:	Manuel Mata		
E-Mail:	manuel.mata@aes.com		

DMR Copy of Record

Permit

Permit #:	PRR053093	**Permittee:**	AES PUERTO RICO, LP	**Facility:**	AES PUERTO RICO, L.P.
Major:	No	**Permittee Address:**	Road #3 km. 142 Jobos Ward Guayama, PR 00784	**Facility Location:**	ROAD #3 KM. 142 JOBOS WARD GUAYAMA, PR 00784
Permitted Feature:	003 External Outfall	**Discharge:**	**003-Q1** Water Transportation Facilities		

Report Dates & Status

Monitoring Period:	**From 10/01/16 to 12/31/16**	**DMR Due Date:**	**02/28/17**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Manuel	**Title:**	Plant Manager	**Telephone:**	787-866-8117
Last Name:	Mata				

No Data Indicator (NODI)

Form NODI: --

Parameter Code	Parameter Name	Monitoring Location	Season #	Param. NODI		Quantity or Loading Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Quality or Concentration Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units	# of Ex.	Frequency of Analysis	Sample Type
01045	Iron, total [as Fe]	1 - Effluent Gross	0	--	Sample										=	0.188	19 - mg/L		01/90 - Quarterly	GR - GRAB
					Permit Req.										<=	1 MAXIMUM	19 - mg/L		01/90 - Quarterly	GR - GRAB
					Value NODI															
01051	Lead, total [as Pb]	1 - Effluent Gross	0	--	Sample										<	0.002	19 - mg/L		01/90 - Quarterly	GR - GRAB
					Permit Req.										<=	.21 MAXIMUM	19 - mg/L		01/90 - Quarterly	GR - GRAB
					Value NODI															
01092	Zinc, total [as Zn]	1 - Effluent Gross	0	--	Sample										=	34	28 - ug/L		01/90 - Quarterly	GR - GRAB
					Permit Req.										<=	90 MAXIMUM	28 - ug/L		01/90 - Quarterly	GR - GRAB
					Value NODI															
01105	Aluminum, total [as Al]	1 - Effluent Gross	0	--	Sample										=	0.242	19 - mg/L		01/90 - Quarterly	GR - GRAB
					Permit Req.										<=	.75 MAXIMUM	19 - mg/L		01/90 - Quarterly	GR - GRAB
					Value NODI															

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

AES PUERTO RICO, LP

User:	manuel.mata@aes.com	Date/Time:	2016-11-28 09:08 (Time Zone: -05:00)
Name:	Manuel Mata		
E-Mail:	manuel.mata@aes.com		

BECKTON
Environmental Laboratories. Inc.

ACCREDITED IN ACCORDANCE WITH nelac

REPORT OF ANALYSIS

ATTENTION: Mr. Héctor Ávila
COMPANY: AES Puerto Rico - Guayama

DATE: November 16, 2016

CONTRACT: AES – Guayama

LAB. SAMPLE ID: BEL-1603818
SAMPLE COLLECTED BY: Client (H. Ávila)
DATE RECEIVED0: 10/20/16

SAMPLE DATE: 10/18/16
TIME: 11:55

DESCRIPTION: Stormwater 003
LAB. FILE ID: 1603818
MATRIX: Water

PARAMETER	EPA METHOD	SAMPLE TYPE	UNITS	BEL-1603818 RESULT	METHOD DETECTION LIMIT	ANALYST	DATE ANALYZED
Aluminum	200.7(ICAP)	Grab	mg/L	0.242	0.005	BTR	11/15/16
Iron	200.7(ICAP)	Grab	mg/L	0.188	0.010	BTR	11/15/16
Lead	200.7(ICAP)	Grab	mg/L	<0.002	0.002	BTR	11/15/16
Zinc	200.7(ICAP)	Grab	mg/L	0.034	0.002	BTR	11/15/16

Sample was preserved in the laboratory.

Method Detection Limit (MDL)-The minimum concentration of a substance that can be measured and reported with 99% confidence that the value is above zero.

Certification and release of the data contained in the Report of Analysis has been authorized by the Laboratory Manager or the Manager's Designee. Sample results related only to the sample submitted.

Lcda. Iris M. Chévere Alfonzo
Laboratory Director
Chemist License 2370

Attachment: Chain of Custody Records (1)

$1.00 $1.00 SOCIAL A 1605995

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Iris M. Chévere Alfonzo
Lic. # 2370
QUIMICO LICENCIADO

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Tel. 787-841-7373 • Fax 787-841-7313

REVISION 2009

CHAIN OF CUSTODY RECORD

PROYECT NO.	COMPANY: AES Guayama	SAMPLER: H. Avila / Client	
SAMPLE LOCATION/CLIENT ID	Stormwater 003	TIME: 11:55 AM/PM	CONTROL NO. 187559
SAMPLE DATE	10-18-16	BEL. NO. 1603818	

1. General Environmental:		PC	VSS		PC
Acidity	( )		Alkalinity	( )	
Ammonia as N	( )		Bicarbonate	( )	
BOD-5	( )		Bromide	( )	
Chloride	( )		Chlorine, Res.	( )	
COD	( )		Color (ADMI)	( )	
Conductivity µmhos/cm	( )		Color (Pt-Co)	( )	
Dissolved Oxygen	( )		Cyanide	( )	
Hardness	( )		Fluoride	( )	
Moisture %	( )		Iodide	( )	
Nitrite	( )		Nitrate	( )	
Oil+Grease	( )		Nitrate + Nitrite	( )	
Phenol	( )		pH, S.U.	( )	
Phosphorus, Total	( )		Phosphate, Ortho	( )	
Sett Solids mg/L	( )		Sett. Solids mL/L	( )	
Sulfate	( )		Solids, Total	( )	
Sulfite	( )		Sulfide	( )	
TDS	( )		Surfactant	( )	
Temperature, °C	( )		TSS	( )	
TOC	( )		TKN	( )	
Asbestos	( )		Turbidity	( )	
TVS	( )		Carbonate	( )	
Total Nitrogen	( )				

2. Metals:							
Aluminum	(Al)	(X)	1,3	Cadmium	(Cd)	( )	
Chromium	(Cr)	( )		Copper	(Cu)	( )	
Iron	(Fe)	(X)	1,3	Lead	(Pb)	(X)	1,3
Manganese	(Mn)	( )		Mercury	(Hg)	( )	
Nickel	(Ni)	( )		Selenium	(Se)	( )	
Silver	(Ag)	( )		Tin	(Sn)	( )	
Zinc	(Zn)	(X)	1,3	Arsenic	(As)	( )	
Barium	(Ba)	( )		Boron	(B)	( )	
Antimony	(Sb)	( )		Beryllium	(Be)	( )	
Bismuth	(Bi)	( )		Calcium	(Ca)	( )	
Chromium, VI	(CrVI)	( )		Cobalt	(Co)	( )	
Magnesium	(Mg)	( )		Molybdenum	(Mo)	( )	
Potassium	(K)	( )		Silicon	(Si)	( )	
Sodium	(Na)	( )		Strontium	(Sr)	( )	
Thallium	(Tl)	( )		Titanium	(Ti)	( )	
Vanadium	(V)	( )		Lithium	(Li)	( )	

3. RCRA/Hazardous wastes				
Ignitability (Flash Pt.)	( )		Corrosivity	( )
Reactivity (CN & S)	( )		TCLP	( )
RCRA Metals	( )		Organics-Pest/Herb	( )
Organics-BNA	( )		Organics-VOA	( )
TOX	( )			

4. Specific Organics					
Volatiles	( )		Phenols GC	( )	
Pesticides/PCB's	( )		Semi-Volitiles (BNA)	( )	
Herbicides	( )		PCB's Only	( )	
BTEX	( )		TPH 418.1	( )	
TTO & Dioxin	( )		TTO	( )	
			TPH 8015	( )	
			Lindane	( )	

5. Microbiology					
Fecal Coliform	( )		Total Coliform	( )	

Comments:

Sampling Witness;
Date/Time:
Relinquished by: [signature]
Date/Time: 10/20/16 9:20
Received by: [signature]
Date/Time: 10-20-16 9:20
Relinquished by: [signature]
Date/Time: 10-20-16 11:22 AM
Received by: [signature]
Date/Time: 10/20/16 11:22am
Relinquished by:
Date/Time:
Received by:
Date/Time:

Matrix

air	( )	water	(X)	sludge	( )
liquid	( )	soil	(X)	solid	( )
oil	( )	mixed	( )	other	( )

Specify:

Preservative Codes = PC

1. Cool, <6° C
2. Sulfuric Acid (H_2SO_4) pH<2
3. Nitric Acid (HNO_3), pH<2
4. Hydrochloric acid (HCl)
5. Sodium Thiosulfate
6. Sodium Hydroxide(NaOH)
7. Zinc Acetate
8. Ascorbic Acid
9. FAS
10. Other

Sample type legend:

grab samples x
composite samples xx

Turnaround time:

1 day ( )
2 days ( )
3 days ( )
5 days ( )

Sampling Equipment:

Automatic Sampler ( )
Sample Pick Up ( )

Note: normal turnaround time is ten (10) working days; additional charges apply for rush orders.

Original

DMR Copy of Record

Permit

Permit #:	**PRR053093**	**Permittee:**	AES PUERTO RICO, LP	**Facility:**	AES PUERTO RICO, L.P.
Major:	No	**Permittee Address:**	Road #3 km. 142 Jobos Ward Guayama, PR 00784	**Facility Location:**	ROAD #3 KM. 142 JOBOS WARD GUAYAMA, PR 00784
Permitted Feature:	003 External Outfall	**Discharge:**	**003-O1** Steam Electric Generating Facilities		

Report Dates & Status

Monitoring Period:	**From 10/01/16 to 12/31/16**	**DMR Due Date:**	**02/28/17**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Manuel	**Title:**	Plant Manager	**Telephone:**	787-866-8117
Last Name:	Mata				

No Data Indicator (NODI)

Form NODI: –

Parameter Code	Parameter Name	Monitoring Location	Season #	Param. NODI		Quantity or Loading Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Quality or Concentration Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units	# of Ex.	Frequency of Analysis	Sample Type
01045	Iron, total [as Fe]	1 - Effluent Gross	0	–	Sample										=	0.188	19 - mg/L		01/90 - Quarterly	GR - GRAB
					Permit Req. Value NODI										<=	1 MAXIMUM	19 - mg/L		01/90 - Quarterly	GR - GRAB

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

AES PUERTO RICO, LP

User:	manuel.mata@aes.com	Date/Time:	2016-11-28 09:06 (Time Zone: -05:00)
Name:	Manuel Mata		
E-Mail:	manuel.mata@aes.com		

DMR Copy of Record

Permit

Permit #:	PRR053093	**Permittee:**	AES PUERTO RICO, LP	**Facility:**	AES PUERTO RICO, L.P.
Major:	No	**Permittee Address:**	Road #3 km. 142 Jobos Ward Guayama, PR 00784	**Facility Location:**	ROAD #3 KM. 142 JOBOS WARD GUAYAMA, PR 00784
Permitted Feature:	003 External Outfall	**Discharge:**	**003-Q1** Water Transportation Facilities		

Report Dates & Status

Monitoring Period:	**From 10/01/16 to 12/31/16**	**DMR Due Date:**	**02/28/17**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Manuel	**Title:**	Plant Manager	**Telephone:**	787-866-8117
Last Name:	Mata				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading				Quality or Concentration					# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
					Sample								=	0.188			19 - mg/L		01/90 - Quarterly	GR - GRAB
01045	Iron, total [as Fe]	1 - Effluent Gross	0	--	Permit Req.								<=	1 MAXIMUM			19 - mg/L		01/90 - Quarterly	GR - GRAB
					Value NODI															
					Sample								<	0.002			19 - mg/L		01/90 - Quarterly	GR - GRAB
01051	Lead, total [as Pb]	1 - Effluent Gross	0	--	Permit Req.								<=	.21 MAXIMUM			19 - mg/L		01/90 - Quarterly	GR - GRAB
					Value NODI															
					Sample								=	34			28 - ug/L		01/90 - Quarterly	GR - GRAB
01092	Zinc, total [as Zn]	1 - Effluent Gross	0	--	Permit Req.								<=	90 MAXIMUM			28 - ug/L		01/90 - Quarterly	GR - GRAB
					Value NODI															
					Sample								=	0.242			19 - mg/L		01/90 - Quarterly	GR - GRAB
01105	Aluminum, total [as Al]	1 - Effluent Gross	0	--	Permit Req.								<=	.75 MAXIMUM			19 - mg/L		01/90 - Quarterly	GR - GRAB
					Value NODI															

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

AES PUERTO RICO, LP

User:	manuel.mata@aes.com	Date/Time:	2016-11-28 09:08 (Time Zone: -05:00)
Name:	Manuel Mata		
E-Mail:	manuel.mata@aes.com		

BECKTON
Environmental Laboratories. Inc.

ACCREDITED IN ACCORDANCE WITH nelac

REPORT OF ANALYSIS

ATTENTION: Mr. Héctor Ávila
COMPANY: AES Puerto Rico – Guayama

DATE: April 12, 2017

CONTRACT: AES – Guayama

LAB. SAMPLE ID: BEL-1701662
SAMPLE COLLECTED BY: Client (P. Labayen)
DATE RECEIVED: 03/24/17

SAMPLE DATE: 03/23/17
TIME: 1:05PM

DESCRIPTION: Outfall 002
LAB. FILE ID: 1701662
MATRIX: Water

PARAMETER	EPA METHOD	SAMPLE TYPE	UNITS	BEL-1701662 RESULTS	MDL	ANALYST	DATE ANALYZED
Iron	200.7(ICAP)	Grab	mg/L	12.8	0.020	BTR	04/05/17

Method Detection Limit (MDL)-The minimum concentration of a substance that can be measured and reported with 99% confidence that the value is above zero.

Certification and release of the data contained in the Report of Analysis has been authorized by the Laboratory Manager or the Manager's Designee. Sample results related only to the sample submitted.

Lcda. Iris M. Chévere Alfonzo
Laboratory Director
Chemist License 2370

Attachment: Chain of Custody Record (1)

ESTADO LIBRE ASOCIADO DE PUERTO RICO
Iris M. Chévere Alfonzo
Lic # 2370
A 1622393
QUIMICO LICENCIADO

THE NELAC CERTIFIED ANALYSES MEET ALL REQUIREMENTS OF NELAC STANDARDS.
REFER OUR SERVICE DEPARTMENT FOR THE CURRENT LIST OF CERTIFIED ANALYSES.
CERTIFIED BY STATE OF FLORIDA DEPARTMENT OF HEALTH AND REHABILITATION SERVICES FOR ENVIRONMENTAL TESTING
•CERTIFICATION NUMBER E87556•
CERTIFIED BY THE PUERTO RICO DEPARTMENT OF HEALTH (PRDOH) EPA CODE #PR00012
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BECKTON ENVIRONMENTAL LABORATORIES
192 Villa Street • Ponce, P.R. 00730-4875
Tel. 787-841-7373 • Fax 787-841-7313

REVISION 2009

CHAIN OF CUSTODY RECORD

PROYECT NO.	COMPANY AESPR Guayama	SAMPLER P. Labayen

SAMPLE LOCATION/CLIENT ID	outfall 002	TIME	1:05 AM (PM)	CONTROL NO.
SAMPLE DATE	3/23/17	BEL. NO.	1701662	193106

1. General Environmental:		PC	VSS		PC
Acidity	( )	___	Alkalinity	( )	___
Ammonia as N	( )	___	Bicarbonate	( )	___
BOD-5	( )	___	Bromide	( )	___
Chloride	( )	___	Chlorine, Res.	( )	___
COD	( )	___	Color (ADMI)	( )	___
Conductivity µmhos/cm	( )	___	Color (Pt-Co)	( )	___
Dissolved Oxygen	( )	___	Cyanide	( )	___
Hardness	( )	___	Fluoride	( )	___
Moisture %	( )	___	Iodide	( )	___
Nitrite	( )	___	Nitrate	( )	___
Oil+Grease	( )	___	Nitrate + Nitrite	( )	___
Phenol	( )	___	pH, S.U.	( )	___
Phosphorus, Total	( )	___	Phosphate, Ortho	( )	___
Sett Solids mg/L	( )	___	Sett. Solids mL/L	( )	___
Sulfate	( )	___	Solids, Total	( )	___
Sulfite	( )	___	Sulfide	( )	___
TDS	( )	___	Surfactant	( )	___
Temperature, °C	( )	___	TSS	( )	___
TOC	( )	___	TKN	( )	___
Asbestos	( )	___	Turbidity	( )	___
TVS	( )	___	Carbonate	( )	___
Total Nitrogen	( )	___			
2. Metals:					
Aluminum (Al)	( )	___	Cadmium (Cd)	( )	___
Chromium (Cr)	( )	___	Copper (Cu)	( )	___
Iron (Fe)	(X)	1,3	Lead (Pb)	( )	___
Manganese (Mn)	( )	___	Mercury (Hg)	( )	___
Nickel (Ni)	( )	___	Selenium (Se)	( )	___
Silver (Ag)	( )	___	Tin (Sn)	( )	___
Zinc (Zn)	( )	___	Arsenic (As)	( )	___
Barium (Ba)	( )	___	Boron (B)	( )	___
Antimony (Sb)	( )	___	Beryllium (Be)	( )	___
Bismuth (Bi)	( )	___	Calcium (Ca)	( )	___
Chromium, VI (CrVI)	( )	___	Cobalt (Co)	( )	___
Magnesium (Mg)	( )	___	Molybdenum (Mo)	( )	___
Potassium (K)	( )	___	Silicon (Si)	( )	___
Sodium (Na)	( )	___	Strontium (Sr)	( )	___
Thallium (Tl)	( )	___	Titanium (Ti)	( )	___
Vanadium (V)	( )	___	Lithium (Li)	( )	___
3. RCRA/Hazardous wastes					
Ignitability (Flash Pt.)	( )	___	Corrosivity	( )	___
Reactivity (CN & S)	( )	___	TCLP	( )	___
RCRA Metals	( )	___	Organics-Pest/Herb	( )	___
Organics-BNA	( )	___	Organics-VOA	( )	___
TOX	( )	___			
4. Specific Organics			Phenols GC	( )	___
Volatiles	( )	___	Semi-Volitiles (BNA)	( )	___
Pesticides/PCB's	( )	___	PCB's Only	( )	___
Herbicides	( )	___	TPH 418.1	( )	___
BTEX	( )	___	TTO	( )	___
TTO & Dioxin	( )	___	TPH 8015	( )	___
			Lindane	( )	___
5. Microbiology					
Fecal Coliform	( )	___	Total Coliform	( )	___

Comments:_____

Sampling Witness; _____
Date/Time: _____
Relinquished by: Nadia E. Flores
Date/Time: 3/24/17 10:30 AM
Received by: [signature]
Date/Time: 3-24-17 10:30 am
Relinquished by: [signature]
Date/Time: 3-24-17 2:33 pm
Received by: [signature]
Date/Time: 3/24/17 2:33 pm
Relinquished by: _____
Date/Time: _____
Received by: _____
Date/Time: _____

Matrix

air	( )	water	(X)	sludge	( )
liquid	( )	soil	( )	solid	( )
oil	( )	mixed	( )	other	( )

Specify:_____

Preservative Codes = PC

1. Cool, <6° C
2. Sulfuric Acid (H_2SO_4) pH<2
3. Nitric Acid (HNO_3), pH<2
4. Hydrochloric acid (HCl)
5. Sodium Thiosulfate
6. Sodium Hydroxide(NaOH)
7. Zinc Acetate
8. Ascorbic Acid
9. FAS
10. Other

Sample type legend:

grab samples x
composite samples xx

Turnaround time:

1 day ( )
2 days ( )
3 days ( )
5 days ( )

Sampling Equipment:

Automatic Sampler ( )
Sample Pick Up ( )

Note: normal turnaround time is ten (10) working days; additional charges apply for rush orders.

Original

BECKTON
Environmental Laboratories, Inc.

ACCREDITED IN ACCORDANCE WITH nelac

REPORT OF ANALYSIS

ATTENTION: Mr. Héctor Ávila
COMPANY: AES Puerto Rico – Guayama

DATE: May 11, 2017

CONTRACT: AES – Guayama

LAB. SAMPLE ID: BEL-1702159
SAMPLE COLLECTED BY: Client (Pedron E. Labayen)
DATE RECEIVED: 04/24/17

SAMPLE DATE: 04/24/17
TIME: 10:45AM

DESCRIPTION: Storm Water 001
LAB. FILE ID: 1702159
MATRIX: Water

PARAMETER	EPA METHOD	SAMPLE TYPE	UNITS	BEL-1702159 RESULTS	MDL	ANALYST	DATE ANALYZED
Iron	200.7(ICAP)	Grab	mg/L	0.322	0.020	BTR	05/09/17

Method Detection Limit (MDL)-The minimum concentration of a substance that can be measured and reported with 99% confidence that the value is above zero.

Certification and release of the data contained in the Report of Analysis has been authorized by the Laboratory Manager or the Manager's Designee. Sample results related only to the sample submitted.

Lcda. Iris M. Chévere Alfonzo
Laboratory Director
Chemist License 2370

$1.00 $1.00 A 1625618

ESTADO LIBRE ASOCIADO DE PUERTO RICO
Iris M. Chévere Alfonzo
Lic # 2370
QUIMICO LICENCIADO

Attachment: Chain of Custody Record (1)

THE NELAC CERTIFIED ANALYSES MEET ALL REQUIREMENTS OF NELAC STANDARDS.
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REVISION 2009

CHAIN OF CUSTODY RECORD

PROYECT NO.	COMPANY AES	SAMPLER Pedro E. Labayen

SAMPLE LOCATION/CLIENT ID	Storm Water 001	TIME	10:45 AM/PM	CONTROL NO.
SAMPLE DATE	4/24/2017	BEL. NO.	1702159	192696

1. General Environmental:		PC	VSS		PC
Acidity	( )	___	Alkalinity	( )	___
Ammonia as N	( )	___	Bicarbonate	( )	___
BOD-5	( )	___	Bromide	( )	___
Chloride	( )	___	Chlorine, Res.	( )	___
COD	( )	___	Color (ADMI)	( )	___
Conductivity µmhos/cm	( )	___	Color (Pt-Co)	( )	___
Dissolved Oxygen	( )	___	Cyanide	( )	___
Hardness	( )	___	Fluoride	( )	___
Moisture %	( )	___	Iodide	( )	___
Nitrite	( )	___	Nitrate	( )	___
Oil+Grease	( )	___	Nitrate + Nitrite	( )	___
Phenol	( )	___	pH, S.U.	( )	___
Phosphorus, Total	( )	___	Phosphate, Ortho	( )	___
Sett Solids mg/L	( )	___	Sett. Solids mL/L	( )	___
Sulfate	( )	___	Solids, Total	( )	___
Sulfite	( )	___	Sulfide	( )	___
TDS	( )	___	Surfactant	( )	___
Temperature, °C	( )	___	TSS	( )	___
TOC	( )	___	TKN	( )	___
Asbestos	( )	___	Turbidity	( )	___
TVS	( )	___	Carbonate	( )	___
Total Nitrogen	( )	___			
2. Metals:					
Aluminum (Al)	( )	___	Cadmium (Cd)	( )	___
Chromium (Cr)	( )	___	Copper (Cu)	( )	___
Iron (Fe)	(X)	43	Lead (Pb)	( )	___
Manganese (Mn)	( )	___	Mercury (Hg)	( )	___
Nickel (Ni)	( )	___	Selenium (Se)	( )	___
Silver (Ag)	( )	___	Tin (Sn)	( )	___
Zinc (Zn)	( )	___	Arsenic (As)	( )	___
Barium (Ba)	( )	___	Boron (B)	( )	___
Antimony (Sb)	( )	___	Beryllium (Be)	( )	___
Bismuth (Bi)	( )	___	Calcium (Ca)	( )	___
Chromium, VI (CrVI)	( )	___	Cobalt (Co)	( )	___
Magnesium (Mg)	( )	___	Molybdenum (Mo)	( )	___
Potassium (K)	( )	___	Silicon (Si)	( )	___
Sodium (Na)	( )	___	Strontium (Sr)	( )	___
Thallium (Tl)	( )	___	Titanium (Ti)	( )	___
Vanadium (V)	( )	___	Lithium (Li)	( )	___
3. RCRA/Hazardous wastes					
Ignitability (Flash Pt.)	( )	___	Corrosivity	( )	___
Reactivity (CN & S)	( )	___	TCLP	( )	___
RCRA Metals	( )	___	Organics-Pest/Herb	( )	___
Organics-BNA	( )	___	Organics-VOA	( )	___
TOX	( )	___			
4. Specific Organics			Phenols GC	( )	___
Volatiles	( )	___	Semi-Volitiles (BNA)	( )	___
Pesticides/PCB's	( )	___	PCB's Only	( )	___
Herbicides	( )	___	TPH 418.1	( )	___
BTEX	( )	___	TTO	( )	___
TTO & Dioxin	( )	___	TPH 8015	( )	___
			Lindane	( )	___
5. Microbiology					
Fecal Coliform	( )	___	Total Coliform	( )	___

Comments:_____

Sampling Witness; _____
Date/Time: _____
Relinquished by: Pedro E. Labayen
Date/Time: 4/24/2017 2:22 pm
Received by: [signature]
Date/Time: 4-24-17 2:22 pm
Relinquished by: [signature]
Date/Time: 4-24-17 3:47 pm
Received by: [signature]
Date/Time: 4/24/17 3:47PM
Relinquished by: _____
Date/Time: _____
Received by: _____
Date/Time: _____

Matrix

air	( )	water	(X)	sludge	( )
liquid	( )	soil	( )	solid	( )
oil	( )	mixed	( )	other	( )

Specify:_____

Preservative Codes = PC

1. Cool, <6° C
2. Sulfuric Acid (H_2SO_4) pH<2
3. Nitric Acid (HNO_3), pH<2
4. Hydrochloric acid (HCl)
5. Sodium Thiosulfate
6. Sodium Hydroxide(NaOH)
7. Zinc Acetate
8. Ascorbic Acid
9. FAS
10. Other

Sample type legend:

grab samples x
composite samples xx

Turnaround time:

1 day ( )
2 days ( )
3 days ( )
5 days ( )

Sampling Equipment:

Automatic Sampler ( )
Sample Pick Up ( )

Note: normal turnaround time is ten (10) working days; additional charges apply for rush orders.

Original

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Environmental Laboratories. Inc.

ACCREDITED IN ACCORDANCE WITH nelac

REPORT OF ANALYSIS

ATTENTION: Mr. Héctor Ávila
COMPANY: AES Puerto Rico – Guayama

DATE: May 11, 2017

CONTRACT: AES – Guayama

LAB. SAMPLE ID: BEL-1702208
SAMPLE COLLECTED BY: Client (Pedron E. Labayen)
DATE RECEIVED: 04/26/17

SAMPLE DATE: 04/26/17
TIME: 8:30AM

DESCRIPTION: Storm Water 002
LAB. FILE ID: 1702208
MATRIX: Water

PARAMETER	EPA METHOD	SAMPLE TYPE	UNITS	BEL-1702208 RESULTS	MDL	ANALYST	DATE ANALYZED
Iron	200.7(ICAP)	Grab	mg/L	1.88	0.020	BTR	05/09/17

Method Detection Limit (MDL)-The minimum concentration of a substance that can be measured and reported with 99% confidence that the value is above zero.

Certification and release of the data contained in the Report of Analysis has been authorized by the Laboratory Manager or the Manager's Designee. Sample results related only to the sample submitted.

Lcda. Iris M. Chévere Alfonzo
Laboratory Director
Chemist License 2370

Iris M. Chevere Alfonzo
Lic # 2370
A 1625625
ESTADO LIBRE ASOCIADO DE PUERTO RICO
QUIMICO LICENCIADO

Attachment: Chain of Custody Record (1)

THE NELAC CERTIFIED ANALYSES MEET ALL REQUIREMENTS OF NELAC STANDARDS.
REFER OUR SERVICE DEPARTMENT FOR THE CURRENT LIST OF CERTIFIED ANALYSES.
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REVISION 2009

CHAIN OF CUSTODY RECORD

PROYECT NO.	COMPANY AES Guayama	SAMPLER Pedro E. Labayen
SAMPLE LOCATION/CLIENT ID	Storm Water 002	TIME 8:30 AM/PM
SAMPLE DATE	04/26/2017	BEL. NO. 1702208
		CONTROL NO. 193461

1. General Environmental:		PC	VSS		PC
Acidity	( )	___	Alkalinity	( )	___
Ammonia as N	( )	___	Bicarbonate	( )	___
BOD-5	( )	___	Bromide	( )	___
Chloride	( )	___	Chlorine, Res.	( )	___
COD	( )	___	Color (ADMI)	( )	___
Conductivity µmhos/cm	( )	___	Color (Pt-Co)	( )	___
Dissolved Oxygen	( )	___	Cyanide	( )	___
Hardness	( )	___	Fluoride	( )	___
Moisture %	( )	___	Iodide	( )	___
Nitrite	( )	___	Nitrate	( )	___
Oil+Grease	( )	___	Nitrate + Nitrite	( )	___
Phenol	( )	___	pH, S.U.	( )	___
Phosphorus, Total	( )	___	Phosphate, Ortho	( )	___
Sett Solids mg/L	( )	___	Sett. Solids mL/L	( )	___
Sulfate	( )	___	Solids, Total	( )	___
Sulfite	( )	___	Sulfide	( )	___
TDS	( )	___	Surfactant	( )	___
Temperature, °C	( )	___	TSS	( )	___
TOC	( )	___	TKN	( )	___
Asbestos	( )	___	Turbidity	( )	___
TVS	( )	___	Carbonate	( )	___
Total Nitrogen	( )	___			
2. Metals:					
Aluminum (Al)	( )	___	Cadmium (Cd)	( )	___
Chromium (Cr)	( )	___	Copper (Cu)	( )	___
Iron (Fe)	(X) / 13		Lead (Pb)	( )	___
Manganese (Mn)	( )	___	Mercury (Hg)	( )	___
Nickel (Ni)	( )	___	Selenium (Se)	( )	___
Silver (Ag)	( )	___	Tin (Sn)	( )	___
Zinc (Zn)	( )	___	Arsenic (As)	( )	___
Barium (Ba)	( )	___	Boron (B)	( )	___
Antimony (Sb)	( )	___	Beryllium (Be)	( )	___
Bismuth (Bi)	( )	___	Calcium (Ca)	( )	___
Chromium, VI (CrVI)	( )	___	Cobalt (Co)	( )	___
Magnesium (Mg)	( )	___	Molybdenum (Mo)	( )	___
Potassium (K)	( )	___	Silicon (Si)	( )	___
Sodium (Na)	( )	___	Strontium (Sr)	( )	___
Thallium (Tl)	( )	___	Titanium (Ti)	( )	___
Vanadium (V)	( )	___	Lithium (Li)	( )	___
3. RCRA/Hazardous wastes					
Ignitability (Flash Pt.)	( )	___	Corrosivity	( )	___
Reactivity (CN & S)	( )	___	TCLP	( )	___
RCRA Metals	( )	___	Organics-Pest/Herb	( )	___
Organics-BNA	( )	___	Organics-VOA	( )	___
TOX	( )	___			
4. Specific Organics			Phenols GC	( )	___
Volatiles	( )	___	Semi-Volitiles (BNA)	( )	___
Pesticides/PCB's	( )	___	PCB's Only	( )	___
Herbicides	( )	___	TPH 418.1	( )	___
BTEX	( )	___	TTO	( )	___
TTO & Dioxin	( )	___	TPH 8015	( )	___
			Lindane	( )	___
5. Microbiology					
Fecal Coliform	( )	___	Total Coliform	( )	___

Comments:_____

Sampling Witness; _____
Date/Time: _____
Relinquished by: Pedro E. Labayen
Date/Time: 4/26/2017 1:00 pm
Received by: [signature]
Date/Time: 04/26/2017 1:00 pm
Relinquished by: [signature]
Date/Time: 4/26/17 6:45 pm
Received by: [signature]
Date/Time: 4/26/17 6:45pm
Relinquished by: _____
Date/Time: _____
Received by: _____
Date/Time: _____

Matrix

air	( )	water	(X)	sludge	( )
liquid	( )	soil	( )	solid	( )
oil	( )	mixed	( )	other	( )

Specify:_____

Preservative Codes = PC

1. Cool,<6° C
2. Sulfuric Acid (H_2SO_4) pH<2
3. Nitric Acid (HNO_3), pH<2
4. Hydrochloric acid (HCl)
5. Sodium Thiosulfate
6. Sodium Hydroxide(NaOH)
7. Zinc Acetate
8. Ascorbic Acid
9. FAS
10. Other

Sample type legend:

grab samples x
composite samples xx

Turnaround time:

1 day ( )
2 days ( )
3 days ( )
5 days ( )

Sampling Equipment:

Automatic Sampler ( )
Sample Pick Up ( )

Note: normal turnaround time is ten (10) working days; additional charges apply for rush orders.

Original

DMR Copy of Record

Permit

Permit #:	**PRR053093**	**Permittee:**	AES PUERTO RICO, LP	**Facility:**	AES PUERTO RICO, L.P.
Major:	No	**Permittee Address:**	Road #3 km. 142 Jobos Ward Guayama, PR 00784	**Facility Location:**	ROAD #3 KM. 142 JOBOS WARD GUAYAMA, PR 00784
Permitted Feature:	001 External Outfall	**Discharge:**	**001-O1** Steam Electric Generating Facilities		

Report Dates & Status

Monitoring Period:	**From 04/01/17 to 06/30/17**	**DMR Due Date:**	**08/31/17**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Manuel	**Title:**	Plant Manager	**Telephone:**	787-866-8117
Last Name:	Mata				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration						# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units		
01045	Iron, total [as Fe]	1 - Effluent Gross	0	--	Sample										=	0.322	19 - mg/L	01/90 - Quarterly	GR - GRAB
					Permit Req.										<=	1 MAXIMUM	19 - mg/L	01/90 - Quarterly	GR - GRAB
					Value NODI														

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

AES PUERTO RICO, LP

User:	pedro.labayen@aes.com	Date/Time:	2017-08-15 09:54 (Time Zone: -04:00)
Name:	Pedro Labayen		
E-Mail:	pedro.labayen@aes.com		

DMR Copy of Record

Permit

Permit #:	**PRR053093**	**Permittee:**	AES PUERTO RICO, LP	**Facility:**	AES PUERTO RICO, L.P.
Major:	No	**Permittee Address:**	Road #3 km. 142 Jobos Ward Guayama, PR 00784	**Facility Location:**	ROAD #3 KM. 142 JOBOS WARD GUAYAMA, PR 00784
Permitted Feature:	002 External Outfall	**Discharge:**	**002-O1** Steam Electric Generating Facilities		

Report Dates & Status

Monitoring Period:	**From 04/01/17 to 06/30/17**	**DMR Due Date:**	**08/31/17**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Manuel	**Title:**	Plant Manager	**Telephone:**	787-866-8117
Last Name:	Mata				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration						# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units		
					Sample									=		1.88	19 - mg/L	01/90 - Quarterly	GR - GRAB
X 01045	Iron, total [as Fe]	1 - Effluent Gross	0	--	Permit Req.									<=		1 MAXIMUM	19 - mg/L	01/90 - Quarterly	GR - GRAB
					Value NODI														

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

Parameter		Monitoring Location	Field	Type	Description	Acknowledge
Code	Name					
01045	Iron, total [as Fe]	1 - Effluent Gross	Quality or Concentration Sample Value 3	Soft	The provided sample value is outside the permit limit. (Error Code: 1)	Yes

Comments

Attachments

No attachments.

Report Last Saved By

AES PUERTO RICO, LP

User:	MANUELMATAAES	Date/Time:	2017-08-15 09:56 (Time Zone: -04:00)
Name:	Manuel Mata		
E-Mail:	manuel.mata@aes.com		

BECKTON
Environmental Laboratories, Inc.

ACCREDITED IN ACCORDANCE WITH nelac

REPORT OF ANALYSIS

ATTENTION: Mr. Héctor Ávila
COMPANY: AES Puerto Rico - Guayama

DATE: September 18, 2017

CONTRACT: AES Puerto Rico - Guayama

LAB. SAMPLE ID: BEL-1703967
SAMPLE COLLECTED BY: Client (H. Ávila)
DATE RECEIVED: 08/28/17
MATRIX: Water

DESCRIPTION: Storm Water # 002
SAMPLE DATE: 08/27/17
SAMPLE TIME: 7:15AM
LAB. FILE ID: 1703967

PARAMETER	METHOD	SAMPLE TYPE	UNITS	BEL-1703967	MDL	ANALYST	DATE ANALYZED
Iron	200.7(ICAP)	Grab	mg/L	2.51	0.020	BTR	09/13/17

Sample was preserved in the laboratory.

Method Detection Limit (MDL)-The minimum concentration of a substance that can be measured and reported with 99% confidence that the value is above zero.

Certification and release of the data contained in the Report of Analysis has been authorized by the Laboratory Manager or the Manager's Designee. Sample results r[illegible] submitted.

Lcda. Iris M. Chévere Alfonzo
Laboratory Director
Chemist License 2370

A 1640318

Iris M. Chévere Alfonzo
Lic. # 2370
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QUÍMICO LICENCIADO

Attachment: Chain of Custody Record (1)

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Tel. 787-841-7373 • Fax 787-841-7313

REVISION 2009

CHAIN OF CUSTODY RECORD

PROYECT NO.	COMPANY AES PR	SAMPLER Hector Avila

SAMPLE LOCATION/CLIENT ID	Storm Water #002	TIME	7:15 AM PM	CONTROL NO.
SAMPLE DATE	8/27/17	BEL. NO.	1703967	194226

1. General Environmental:		PC	VSS		PC
Acidity	( )	___	Alkalinity	( )	___
Ammonia as N	( )	___	Bicarbonate	( )	___
BOD-5	( )	___	Bromide	( )	___
Chloride	( )	___	Chlorine, Res.	( )	___
COD	( )	___	Color (ADMI)	( )	___
Conductivity µmhos/cm	( )	___	Color (Pt-Co)	( )	___
Dissolved Oxygen	( )	___	Cyanide	( )	___
Hardness	( )	___	Fluoride	( )	___
Moisture %	( )	___	Iodide	( )	___
Nitrite	( )	___	Nitrate	( )	___
Oil+Grease	( )	___	Nitrate + Nitrite	( )	___
Phenol	( )	___	pH, S.U.	( )	___
Phosphorus, Total	( )	___	Phosphate, Ortho	( )	___
Sett Solids mg/L	( )	___	Sett. Solids mL/L	( )	___
Sulfate	( )	___	Solids, Total	( )	___
Sulfite	( )	___	Sulfide	( )	___
TDS	( )	___	Surfactant	( )	___
Temperature, °C	( )	___	TSS	( )	___
TOC	( )	___	TKN	( )	___
Asbestos	( )	___	Turbidity	( )	___
TVS	( )	___	Carbonate	( )	___
Total Nitrogen	( )	___			
2. Metals:					
Aluminum (Al)	( )	___	Cadmium (Cd)	( )	___
Chromium (Cr)	( )	___	Copper (Cu)	( )	___
Iron (Fe)	(X)	1.3	Lead (Pb)	( )	___
Manganese (Mn)	( )	___	Mercury (Hg)	( )	___
Nickel (Ni)	( )	___	Selenium (Se)	( )	___
Silver (Ag)	( )	___	Tin (Sn)	( )	___
Zinc (Zn)	( )	___	Arsenic (As)	( )	___
Barium (Ba)	( )	___	Boron (B)	( )	___
Antimony (Sb)	( )	___	Beryllium (Be)	( )	___
Bismuth (Bi)	( )	___	Calcium (Ca)	( )	___
Chromium, VI (CrVI)	( )	___	Cobalt (Co)	( )	___
Magnesium (Mg)	( )	___	Molybdenum (Mo)	( )	___
Potassium (K)	( )	___	Silicon (Si)	( )	___
Sodium (Na)	( )	___	Strontium (Sr)	( )	___
Thallium (Tl)	( )	___	Titanium (Ti)	( )	___
Vanadium (V)	( )	___	Lithium (Li)	( )	___
3. RCRA/Hazardous wastes					
Ignitability (Flash Pt.)	( )	___	Corrosivity	( )	___
Reactivity (CN & S)	( )	___	TCLP	( )	___
RCRA Metals	( )	___	Organics-Pest/Herb	( )	___
Organics-BNA	( )	___	Organics-VOA	( )	___
TOX	( )	___			
4. Specific Organics			Phenols GC	( )	___
Volatiles	( )	___	Semi-Volitiles (BNA)	( )	___
Pesticides/PCB's	( )	___	PCB's Only	( )	___
Herbicides	( )	___	TPH 418.1	( )	___
BTEX	( )	___	TTO	( )	___
TTO & Dioxin	( )	___	TPH 8015	( )	___
			Lindane	( )	___
5. Microbiology					
Fecal Coliform	( )	___	Total Coliform	( )	___

Comments:_____

Sampling Witness; _____
Date/Time: _____
Relinquished by: Pablo C. [illegible]
Date/Time: 8/28/17 10:05 AM
Received by: [illegible]
Date/Time: 8-28-17 10:05a
Relinquished by: [illegible]
Date/Time: 8-28-17 2:04pm
Received by: Nody C. Alfom.
Date/Time: 8/28/17 2:04pm
Relinquished by: _____
Date/Time: _____
Received by: _____
Date/Time: _____

Matrix

air	( )	water	(X)	sludge	( )
liquid	( )	soil	( )	solid	( )
oil	( )	mixed	( )	other	( )

Specify:_____

Preservative Codes = PC

1. Cool, <6° C
2. Sulfuric Acid (H_2SO_4) pH<2
3. Nitric Acid (HNO_3), pH<2
4. Hydrochloric acid (HCl)
5. Sodium Thiosulfate
6. Sodium Hydroxide(NaOH)
7. Zinc Acetate
8. Ascorbic Acid
9. FAS
10. Other

Sample type legend:

grab samples x
composite samples xx

Turnaround time:

1 day ( )
2 days ( )
3 days ( )
5 days ( )

Sampling Equipment:

Automatic Sampler ( )
Sample Pick Up ( )

Note: normal turnaround time is ten (10) working days; additional charges apply for rush orders.

Original

DMR Copy of Record

Permit

Permit #:	**PRR053093**	**Permittee:**	AES PUERTO RICO, LP	**Facility:**	AES PUERTO RICO, L.P.
Major:	No	**Permittee Address:**	Road #3 km. 142 Jobos Ward Guayama, PR 00784	**Facility Location:**	ROAD #3 KM. 142 JOBOS WARD GUAYAMA, PR 00784
Permitted Feature:	001 External Outfall	**Discharge:**	**001-O1** Steam Electric Generating Facilities		

Report Dates & Status

Monitoring Period:	**From 07/01/17 to 09/30/17**	**DMR Due Date:**	**11/30/17**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Manuel	**Title:**	Plant Manager	**Telephone:**	787-866-8117
Last Name:	Mata				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
01045	Iron, total [as Fe]	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI										<=	1 MAXIMUM 8 - Other (See Comments)	19 - mg/L		01/90 - Quarterly	GR - GRAB

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Monitoring requirements have been completely fulfilled.

Attachments

No attachments.

Report Last Saved By

AES PUERTO RICO, LP

User:	MANUELMATAAES
Name:	Manuel Mata
E-Mail:	manuel.mata@aes.com
Date/Time:	2018-01-04 10:16 (Time Zone: -05:00)

Report Last Signed By

User:	MANUELMATAAES
Name:	Manuel Mata
E-Mail:	manuel.mata@aes.com
Date/Time:	2018-01-04 10:21 (Time Zone: -05:00)

DMR Copy of Record

Permit

Permit #:	**PRR053093**	**Permittee:**	AES PUERTO RICO, LP	**Facility:**	AES PUERTO RICO, L.P.
Major:	No	**Permittee Address:**	Road #3 km. 142 Jobos Ward Guayama, PR 00784	**Facility Location:**	ROAD #3 KM. 142 JOBOS WARD GUAYAMA, PR 00784
Permitted Feature:	002 External Outfall	**Discharge:**	**002-O1** Steam Electric Generating Facilities		

Report Dates & Status

Monitoring Period:	**From 07/01/17 to 09/30/17**	**DMR Due Date:**	**11/30/17**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Manuel	**Title:**	Plant Manager	**Telephone:**	787-866-8117
Last Name:	Mata				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading				Quality or Concentration						# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
					Sample									=		2.51	19 - mg/L		01/90 - Quarterly	GR - GRAB
X 01045	Iron, total [as Fe]	1 - Effluent Gross	0	--	Permit Req.									<=		1 MAXIMUM	19 - mg/L		01/90 - Quarterly	GR - GRAB
					Value NODI															

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

Parameter		Monitoring Location	Field	Type	Description	Acknowledge
Code	Name					
01045	Iron, total [as Fe]	1 - Effluent Gross	Quality or Concentration Sample Value 3	Soft	The provided sample value is outside the permit limit. (Error Code: 1)	Yes

Comments

Attachments

No attachments.

Report Last Saved By

AES PUERTO RICO, LP

User:	pedro.labayen@aes.com
Name:	Pedro Labayen
E-Mail:	pedro.labayen@aes.com
Date/Time:	2017-10-19 17:00 (Time Zone: -04:00)

Report Last Signed By

User:	MANUELMATAAES
Name:	Manuel Mata
E-Mail:	manuel.mata@aes.com
Date/Time:	2017-10-19 17:01 (Time Zone: -04:00)

BECKTON
Environmental Laboratories, Inc.

ACCREDITED IN ACCORDANCE WITH nelac

REPORT OF ANALYSIS

ATTENTION: Mr. Héctor Ávila
COMPANY: AES Puerto Rico - Guayama

DATE: December 12, 2017

CONTRACT: AES Puerto Rico - Guayama

LAB. SAMPLE ID: BEL-1704795
SAMPLE COLLECTED BY: Pedro Labayen (Client)
DATE RECEIVED: 11/13/17
MATRIX: Water

DESCRIPTION: Storm Water 002
SAMPLE DATE: 11/13/17
SAMPLE TIME: 8:30AM
LAB. FILE ID: 1704795

PARAMETER	METHOD	SAMPLE TYPE	UNITS	BEL-1704795 RESULT	MDL	ANALYST	DATE ANALYZED
Iron	200.7(ICAP)	Grab	mg/L	0.063	0.020	BTR	12/01/17

Method Detection Limit (MDL)-The minimum concentration of a substance that can be measured and reported with 99% confidence that the value is above zero.

Certification and release of the data contained in the Report of Analysis has been authorized by the Laboratory Manager or the Manager's Designee. Sample results related only to the sample submitted.

Lcda. Iris M. Chévere Alfonzo
Laboratory Director
Chemist License 2370

Attachment: Chain of Custody Record (1)

ESTADO LIBRE ASOCIADO DE PUERTO RICO
$1.00 $1.00
Iris M. Chévere Alfonzo
Lic. # 2370
A 1647823
QUIMICO LICENCIADO

THE NELAC CERTIFIED ANALYSES MEET ALL REQUIREMENTS OF NELAC STANDARDS.
REFER OUR SERVICE DEPARTMENT FOR THE CURRENT LIST OF CERTIFIED ANALYSES.
CERTIFIED BY STATE OF FLORIDA DEPARTMENT OF HEALTH AND REHABILITATION SERVICES FOR ENVIRONMENTAL TESTING
•CERTIFICATION NUMBER E87556•
CERTIFIED BY THE PUERTO RICO DEPARTMENT OF HEALTH (PRDOH) EPA CODE #PR00012
192 VILLA STREET • PONCE, PR 00730-4875 • TEL. (787) 841-7373 • FAX (787) 841-7313

BECKTON ENVIRONMENTAL LABORATORIES
192 Villa Street • Ponce, P.R. 00730-4875
Tel. 787-841-7373 • Fax 787-841-7313

REVISION 2009

CHAIN OF CUSTODY RECORD

PROYECT NO.	COMPANY AES Guayama	SAMPLER Pedro Labayen

SAMPLE LOCATION/CLIENT ID	Storm Water 002	TIME	8:30 AM PM	CONTROL NO.
SAMPLE DATE	11/13/2017	BEL. NO.	1704795	190638

1. General Environmental:		PC	VSS		PC
Acidity	( )	___	Alkalinity	( )	___
Ammonia as N	( )	___	Bicarbonate	( )	___
BOD-5	( )	___	Bromide	( )	___
Chloride	( )	___	Chlorine, Res.	( )	___
COD	( )	___	Color (ADMI)	( )	___
Conductivity µmhos/cm	( )	___	Color (Pt-Co)	( )	___
Dissolved Oxygen	( )	___	Cyanide	( )	___
Hardness	( )	___	Fluoride	( )	___
Moisture %	( )	___	Iodide	( )	___
Nitrite	( )	___	Nitrate	( )	___
Oil+Grease	( )	___	Nitrate + Nitrite	( )	___
Phenol	( )	___	pH, S.U.	( )	___
Phosphorus, Total	( )	___	Phosphate, Ortho	( )	___
Sett Solids mg/L	( )	___	Sett. Solids mL/L	( )	___
Sulfate	( )	___	Solids, Total	( )	___
Sulfite	( )	___	Sulfide	( )	___
TDS	( )	___	Surfactant	( )	___
Temperature, °C	( )	___	TSS	( )	___
TOC	( )	___	TKN	( )	___
Asbestos	( )	___	Turbidity	( )	___
TVS	( )	___	Carbonate	( )	___
Total Nitrogen	( )	___			
2. Metals:					
Aluminum (Al)	( )	___	Cadmium (Cd)	( )	___
Chromium (Cr)	( )	___	Copper (Cu)	( )	___
Iron (Fe)	(✓)	1.3	Lead (Pb)	( )	___
Manganese (Mn)	( )	___	Mercury (Hg)	( )	___
Nickel (Ni)	( )	___	Selenium (Se)	( )	___
Silver (Ag)	( )	___	Tin (Sn)	( )	___
Zinc (Zn)	( )	___	Arsenic (As)	( )	___
Barium (Ba)	( )	___	Boron (B)	( )	___
Antimony (Sb)	( )	___	Beryllium (Be)	( )	___
Bismuth (Bi)	( )	___	Calcium (Ca)	( )	___
Chromium, VI (CrVI)	( )	___	Cobalt (Co)	( )	___
Magnesium (Mg)	( )	___	Molybdenum (Mo)	( )	___
Potassium (K)	( )	___	Silicon (Si)	( )	___
Sodium (Na)	( )	___	Strontium (Sr)	( )	___
Thallium (Tl)	( )	___	Titanium (Ti)	( )	___
Vanadium (V)	( )	___	Lithium (Li)	( )	___
3. RCRA/Hazardous wastes					
Ignitability (Flash Pt.)	( )	___	Corrosivity	( )	___
Reactivity (CN & S)	( )	___	TCLP	( )	___
RCRA Metals	( )	___	Organics-Pest/Herb	( )	___
Organics-BNA	( )	___	Organics-VOA	( )	___
TOX	( )	___			
4. Specific Organics			Phenols GC	( )	___
Volatiles	( )	___	Semi-Volitiles (BNA)	( )	___
Pesticides/PCB's	( )	___	PCB's Only	( )	___
Herbicides	( )	___	TPH 418.1	( )	___
BTEX	( )	___	TTO	( )	___
TTO & Dioxin	( )	___	TPH 8015	( )	___
			Lindane	( )	___
5. Microbiology					
Fecal Coliform	( )	___	Total Coliform	( )	___

Comments:_____

Sampling Witness; _____
Date/Time: _____
Relinquished by: [signature]
Date/Time: 13/11/17 11:28 AM
Received by: [signature]
Date/Time: 11/13/2017 11:28 AM
Relinquished by: [signature]
Date/Time: 11/13/17 4:26 PM
Received by: [signature]
Date/Time: 11/13/17 4:26 pm
Relinquished by: _____
Date/Time: _____
Received by: _____
Date/Time: _____

Matrix

air	( )	water	(✓)	sludge	( )
liquid	( )	soil	( )	solid	( )
oil	( )	mixed	( )	other	( )

Specify:_____

Preservative Codes = PC

1. Cool, <6° C
2. Sulfuric Acid (H_2SO_4) pH<2
3. Nitric Acid (HNO_3), pH<2
4. Hydrochloric acid (HCl)
5. Sodium Thiosulfate
6. Sodium Hydroxide(NaOH)
7. Zinc Acetate
8. Ascorbic Acid
9. FAS
10. Other

Sample type legend:

grab samples x
composite samples xx

Turnaround time:

1 day ( )
2 days ( )
3 days ( )
5 days ( )

Sampling Equipment:

Automatic Sampler ( )
Sample Pick Up ( )

Note: normal turnaround time is ten (10) working days; additional charges apply for rush orders.

Original

DMR Copy of Record

Permit

Permit #:	**PRR053093**	**Permittee:**	AES PUERTO RICO, LP	**Facility:**	AES PUERTO RICO, L.P.
Major:	No	**Permittee Address:**	Road #3 km. 142 Jobos Ward Guayama, PR 00784	**Facility Location:**	ROAD #3 KM. 142 JOBOS WARD GUAYAMA, PR 00784
Permitted Feature:	001 External Outfall	**Discharge:**	**001-O1** Steam Electric Generating Facilities		

Report Dates & Status

Monitoring Period:	**From 10/01/17 to 12/31/17**	**DMR Due Date:**	**02/28/18**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Manuel	**Title:**	Plant Manager	**Telephone:**	787-866-8117
Last Name:	Mata				

No Data Indicator (NODI)

Form NODI: --

Parameter Code	Parameter Name	Monitoring Location	Season #	Param. NODI	Sample Permit Req. Value NODI	Quantity or Loading Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Quality or Concentration Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units	# of Ex.	Frequency of Analysis	Sample Type
01045	Iron, total [as Fe]	1 - Effluent Gross	0	--									<=		1 MAXIMUM 8 - Other (See Comments)	19	mg/L		01/90 - Quarterly	GR - GRAB

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Monitoring requirements have been completely fulfilled.

Attachments

No attachments.

Report Last Saved By

AES PUERTO RICO, LP

User:	MANUELMATAAES
Name:	Manuel Mata
E-Mail:	manuel.mata@aes.com
Date/Time:	2018-01-04 10:20 (Time Zone: -05:00)

Report Last Signed By

User:	MANUELMATAAES
Name:	Manuel Mata
E-Mail:	manuel.mata@aes.com
Date/Time:	2018-01-04 10:21 (Time Zone: -05:00)

DMR Copy of Record

Permit

Permit #:	**PRR053093**	**Permittee:**	AES PUERTO RICO, LP	**Facility:**	AES PUERTO RICO, L.P.
Major:	No	**Permittee Address:**	Road #3 km. 142 Jobos Ward Guayama, PR 00784	**Facility Location:**	ROAD #3 KM. 142 JOBOS WARD GUAYAMA, PR 00784
Permitted Feature:	002 External Outfall	**Discharge:**	**002-O1** Steam Electric Generating Facilities		

Report Dates & Status

Monitoring Period:	**From 10/01/17 to 12/31/17**	**DMR Due Date:**	**02/28/18**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Manuel	**Title:**	Plant Manager	**Telephone:**	787-866-8117
Last Name:	Mata				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading				Quality or Concentration						# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
					Sample									=		0.063	19 - mg/L		01/90 - Quarterly	GR - GRAB
01045	Iron, total [as Fe]	1 - Effluent Gross	0	--	Permit Req.									<=		1 MAXIMUM	19 - mg/L		01/90 - Quarterly	GR - GRAB
					Value NODI															

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

AES PUERTO RICO, LP

User:	MANUELMATAAES
Name:	Manuel Mata
E-Mail:	manuel.mata@aes.com
Date/Time:	2018-01-04 10:08 (Time Zone: -05:00)

Report Last Signed By

User:	MANUELMATAAES
Name:	Manuel Mata
E-Mail:	manuel.mata@aes.com
Date/Time:	2018-01-04 10:08 (Time Zone: -05:00)

DMR Copy of Record

Permit

Permit #:	**PRR053093**	**Permittee:**	AES PUERTO RICO, LP	**Facility:**	AES PUERTO RICO, L.P.
Major:	No	**Permittee Address:**	Road #3 km. 142 Jobos Ward Guayama, PR 00784	**Facility Location:**	ROAD #3 KM. 142 JOBOS WARD GUAYAMA, PR 00784
Permitted Feature:	003 External Outfall	**Discharge:**	**003-O1** Steam Electric Generating Facilities		

Report Dates & Status

Monitoring Period:	**From 10/01/17 to 12/31/17**	**DMR Due Date:**	**02/28/18**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Manuel	**Title:**	Plant Manager	**Telephone:**	787-866-8117
Last Name:	Mata				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
01045	Iron, total [as Fe]	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI									<=		1 MAXIMUM 8 - Other (See Comments)	19 - mg/L		01/90 - Quarterly	GR - GRAB

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Monitoring requirements have been completely fulfilled.

Attachments

No attachments.

Report Last Saved By

AES PUERTO RICO, LP

User:	MANUELMATAAES
Name:	Manuel Mata
E-Mail:	manuel.mata@aes.com
Date/Time:	2018-01-04 10:21 (Time Zone: -05:00)

Report Last Signed By

User:	MANUELMATAAES
Name:	Manuel Mata
E-Mail:	manuel.mata@aes.com
Date/Time:	2018-01-04 10:21 (Time Zone: -05:00)

BECKTON
Environmental Laboratories. Inc.

ACCREDITED IN ACCORDANCE WITH nelac

REPORT OF ANALYSIS

ATTENTION: Mr. Héctor Ávila
COMPANY: AES Puerto Rico - Guayama

DATE: May 17, 2018

CONTRACT: AES Puerto Rico - Guayama

LAB. SAMPLE ID: BEL-1801551
SAMPLE COLLECTED BY: Pedro Labayen (Client)
DATE RECEIVED: 04/26/18
MATRIX: Water

DESCRIPTION: Outfall 002
SAMPLE DATE: 04/26/18
SAMPLE TIME: 5:45PM
LAB. FILE ID: 1801551

PARAMETER	METHOD	SAMPLE TYPE	UNITS	BEL-1801551 RESULTS	MDL	ANALYST	DATE ANALYZED
Iron	EPA 200.7	Grab	mg/L	0.593	0.020	BTR	05/11/18

Method Detection Limit (MDL)-The minimum concentration of a substance that can be measured and reported with 99% confidence that the value is above zero.

Certification and release of the data contained in the Report of Analysis has been authorized by the Laboratory Manager or the Manager's Designee. Sample results related only to the sample submitted.

Lcda. Iris M. Chévere Alfonzo
Laboratory Director
Chemist License 2370

ESTADO LIBRE ASOCIADO DE PUERTO RICO
Iris M. Chévere Alfonzo
Lic. # 2370
A 1672137
QUIMICO LICENCIADO

Attachment: Chain of Custody Record (1)

THE NELAC CERTIFIED ANALYSES MEET ALL REQUIREMENTS OF NELAC STANDARDS.
REFER OUR SERVICE DEPARTMENT FOR THE CURRENT LIST OF CERTIFIED ANALYSES.
CERTIFIED BY STATE OF FLORIDA DEPARTMENT OF HEALTH AND REHABILITATION SERVICES FOR ENVIRONMENTAL TESTING
•CERTIFICATION NUMBER E87556•
CERTIFIED BY THE PUERTO RICO DEPARTMENT OF HEALTH (PRDOH) EPA CODE #PR00012
192 VILLA STREET • PONCE, PR 00730-4875 • TEL. (787) 841-7373 • FAX (787) 841-7313