WV Division of Air Quality
601 57th Street SE
Charleston, WV 25304
Telephone Number: (304) 926-0475
Fax Number: (304) 926-0478

TITLE V OPERATING PERMIT SEMI-ANNUAL MONITORING REPORT

Name of Permittee: Allegheny Energy Supply Company, LLC, a Subsidiary of First Energy Corporation	Name of Facility: Pleasants / Willow Island Power Station
Permit Number: R30-07300005- 2013 (MM01)	AFS Plant ID Number: 03-54-07300005
Mailing Address: No.1 Power Station Boulevard Willow Island, WV 26134	Contact Person: Tonia A. Downs Title: Engineer V Telephone: (724) 838-6057
For the reporting period beginning 07 / 01 / 2017 and ending 12 / 31 /2017	
Based upon the specific test methods, monitoring, record keeping and/or reporting required under the permittee's Title V Operating Permit and any other information reasonably available, I, the undersigned, hereby certify for the reporting period stated above that based on information and belief formed after reasonable inquiry, the statements and information in this document and attachments are true, accurate, and complete.[1]	
Responsible Official[2]	
Name: Mark J. Valach	Title: Director, Pleasants Power Station
Signature: Mark J. Valach	Date: 02-22-2018
Note: Please check all required attachments included with this Semi-Annual Monitoring Report.	
☒ Form B - Semi-Annual Monitoring Report	☒ Form C - Deviation Report

[1] Please note that the West Virginia Code states that any person who knowingly misrepresents any material fact in an application, record, report, plan or other document filed or required to be maintained is guilty of a misdemeanor and may be subject to fines and/or imprisonment in accordance with W.VA. Code §22-5-6(b).

[2] A Responsible Official as defined by 45CSR§30-2.38. must sign this certification.

Form B - Semi-Annual Monitoring Report

Permittee: Allegheny Energy Supply Company, LLC, a Subsidiary of First Energy Corporation	Facility: Pleasants / Willow Island Power Station	Permit Number: R30-07300005-2013 (MM01)
For the reporting period beginning 07 / 01 / 2017 and ending 12 / 31 / 2017		

Emission Unit ID	Monitoring, Data, or Analysis Required by the Permit	Separate Monitoring Report?	Date of Separate Report Submittal or Attachment ID
Facility Wide	3.4.1 Records of monitoring information that include date & time of sampling, date of analysis, entity performing analysis, method, results, and operating conditions (RATA).	**X** Yes ☐ No	PLS U1 RATAs: 03/20/2017 PLS U2 RATAs: 05/22/2017
Facility Wide	3.4.3 Records of odor complaints received. Records are required to be maintained for five years.	☐ Yes **X** No	Attachment ID:
Facility Wide	3.4.4 Records of fugitive dust control systems maintenance and times when they were inoperable.	☐ Yes **X** No	Attachment ID:
Facility Wide	3.4.4 Records of the use of any dust suppressants or any other suitable control measures applied at the facility	☐ Yes **X** No	Attachment ID:
Facility Wide	3.4.4 Records of fugitive dust control systems inspections	☐ Yes **X** No	Attachment ID:
Pleasants Stack 1,2	4.2.1 Maintain operating and fuel use records. Submit a quarterly startup/shutdown log.	**X** Yes ☐ No	3rd Quarter submitted 10/25/2017 4th Quarter submitted 1/29/2018
Pleasants Stack 1,2	4.2.1 Visible Emissions monitoring: CAM monitoring in accordance with 45CSR2 monitoring plan (3-hr block averages of ESP power, semi-annual CAM report)	**X** Yes ☐ No	Jan-Jun 2017 submitted 08/22/2017 Jul-Dec 2017 with this submittal
Pleasants Stack 1,2	4.3.1 Particulate matter stack testing in accordance with Monitoring Plan (45CSR2).	**X** Yes ☐ No	Unit 1 07/07/2015 Unit 2 09/01/2015
Pleasants Aux Blr Stk	4.2.1 Visible Emissions monitoring: Monthly Method 9 readings for auxiliary boilers if operating 24+ consecutive hours and weather/lighting permits a reading.	☐ Yes **X** No	Attachment ID:

All sources must complete this section. Use the table above to summarize all required monitoring, data, or analyses for the 6-month period. In the first column, list the emission units upon which the monitoring was performed. Use any Emission Unit ID's assigned in the permit, if no ID's in permit, generally describe. In the second column, describe the monitoring, data, or analysis and cross-reference the relevant permit term. In the third column indicate whether a separate monitoring report is required. Lastly, complete the fourth column only if you are required to submit a separate monitoring report. If submitted previously, indicate the date you submitted it; if submitted for the first time as an attachment to this form, assign an attachment identification (ID), mark the attachment with that ID, and attach the separate monitoring report to this form.

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Permittee: Allegheny Energy Supply Company, LLC, a Subsidiary of First Energy Corporation	Facility: Pleasants / Willow Island Power Station	Permit Number: R30-07300005-2013 (MM01)

For the reporting period beginning 07 / 01 / 2017 and ending 12 / 31 / 2017

Emission Unit ID	Monitoring, Data, or Analysis Required by the Permit	Separate Monitoring Report?	Date of Separate Report Submittal or Attachment ID
Pleasants Units 1,2	4.2.2 / 4.4.4 CAM Compliance: Continuous monitoring of ESP power with 4 recorded readings per hour (voltage, current, kW). ESP power (kW) is averaged on a 3-hr basis.	X Yes ☐ No	Attachment #1
Pleasants Stack 1,2	4.2.4 Records of SO2, NOx and CO2 emissions (CEM – Quarterly Reports for SO2 and NOx)	X Yes ☐ No	3rd Quarter submitted 10/25/2017 4th Quarter submitted 1/29/2018
Pleasants Stack 1,2	4.1.9.b Refined Coal monitoring of flue gas temperature, urea flow, dates/times urea was discontinued due to temperature.	☐ Yes X No	Attachment ID:
Pleasants Existing RICE Engines	4.1.22 / 4.1.23 / 4.4.7 / 4.5.6 Emergency Generators 1 and 2, and Fire Pump 1 recordkeeping	☐ Yes X No	Attachment ID:
Pleasants New RICE Engines	4.1.24 – 4.1.29 Fire Pump 2 recordkeeping, including NSPS compliance certification	☐ Yes X No	Attachment ID:
Pleasants Stack 1,2	4.1.30 SCR operations, records of and maintenance logs	☐ Yes X No	Attachment ID:
Pleasants Stack 1,2	4.2.6 / 4.2.7 Monitor SBS system throughputs	☐ Yes X No	Attachment ID:

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Emission Unit ID	Monitoring, Data, or Analysis Required by the Permit	Separate Monitoring Report?	Date of Separate Report Submittal or Attachment ID
Pleasants Stack 1,2	4.4.6 / 4.5.5 Records and reporting of malfunctions of air pollution control equipment if causing excess emissions.	☐ Yes X No	Attachment ID:
Pleasants Stack 1,2	5.1.5 / 5.2.2. Monitoring records of daily S-Sorb deliveries and rolling twelve month total tons.	☐ Yes X No	Attachment ID:
Pleasants Stack 1,2	5.1.8 / 5.2.3 Monitoring records of daily Mitagent deliveries and rolling twelve month total tons.	☐ Yes X No	Attachment ID:
Pleasants Stack 1,2	5.1.10 / 5.2.4 Monitoring records of daily MerSorb deliveries and rolling twelve month total gallons.	☐ Yes X No	Attachment ID:
Pleasants Lime Silos Coal & Ash Handling	5.2.1 / 5.4.1 / 5.4.2 Weekly Method 22 (Visible Emissions) inspections. Follow-up with Method 9 inspection as necessary. Annual Method 9 for all Coal and Ash Handling emission points.	☐ Yes X No	Attachment ID:
Pleasants Gypsum Facility	6.2.1 Weekly Method 22 (Visible Emissions) inspections of all synthetic gypsum handling equipment and storage dome.	☐ Yes X No	Attachment ID:
Pleasants Gypsum Facility	6.4.1 Monthly and annual records of the amount of gypsum produced, and the amount loaded to barges.	☐ Yes X No	Attachment ID:
Pleasants Gypsum Facility	6.4.3 Daily records of the use of any dust suppressants or other suitable dust control measures. Inspect fugitive dust control systems, record any maintenance or corrective actions taken and/or any times the systems were inoperable.	☐ Yes X No	Attachment ID:

All sources must complete this section. Use the table above to summarize all required monitoring, data, or analyses for the 6-month period. In the first column, list the emission units upon which the monitoring was performed. Use any Emission Unit ID's assigned in the permit, if no ID's in permit, generally describe. In the second column, describe the monitoring, data, or analysis and cross-reference the relevant permit term. In the third column indicate whether a separate monitoring report is required. Lastly, complete the fourth column only if you are required to submit a separate monitoring report. If submitted previously, indicate the date you submitted it; if submitted for the first time as an attachment to this form, assign an attachment identification (ID), mark the attachment with that ID, and attach the separate monitoring report to this form.

Form C – Deviation Report[1]

Permittee: Allegheny Energy Supply Company, LLC, a Subsidiary of First Energy Corporation	Facility: Pleasants / Willow Island Power Station	Permit Number: R30-07300005-2013 (MM01)

For the reporting period beginning 07 / **01** / **2017** and ending 12/ **31** / **2017**

Emission Unit ID	Condition Number of Permit Requirement	Term or Condition that is the Basis for Certification	What was the deviation[2] from the Term or Condition?	What was the cause for the deviation[2] And what type of corrective measures were taken?	Deviation Time Period Date (mo/day/yr) Time (hr:min)
N/A					Beginning ☐ am ☐ pm Ending ☐ am ☐ pm

[1]If there are no deviations to report for this period, place "None" in the first row on the form.
[2]A deviation is defined as any period when the permittee failed to meet the terms or conditions of their permit. A deviation is not necessarily a violation. Violations will be determined by DAQ and/or EPA.