54-073-00005

Allegheny Energy Supply
an Allegheny Energy company
PLEASANTS/WILLOW ISLAND REGION
#1 Power Station Boulevard
Willow Island, WV 26134-9726

March 12, 2015

Jim Hagedorn

RECEIVED
MAR 17 2015
Air Protection Division

CERTIFIED MAIL
7011 3500 0000 7349 8682

Associate Director
Office of Enforcement and Permits Review (3AP10)
U.S. Environmental Protection Agency Region III
1650 Arch Street
Philadelphia, PA 19103-2029

RE: Pleasants / Willow Island Power Stations
Title V Operating Permit #R30-07300005-2013

45CSR30-5.1.c.3.A Semi-Annual Monitoring Report
Reporting Period 07/01/2014 through 12/31/2014

45CSR30-5.3.e. Annual Compliance Certification
Reporting Period 01/01/2014 through 12/31/2014

Dear Associate Director:

The enclosed submittal satisfies the Title V reporting requirements for Permit #R30-07300005-2008, 2013 that was issued for Pleasants / Willow Island power station on 10/17/2013. The semi-annual monitoring report is required by Condition 3.5.6 of the Title V permit and covers the period from July 1, 2014 through December 31 2014. The annual compliance certification and attachment (which contains the new permit conditions for #R30-07300005-2013) are required by Condition 3.5.5 of the Title V permit and covers the period from January 1, 2014 through December 31, 2014. Both semi-annual monitoring reports for 2014 are enclosed as attachments to the annual compliance certification.

Also enclosed are the Compliance Assurance Monitoring (CAM) Plan particulate matter reports.

The Willow Island Station remains in cold storage.

If you have any questions concerning this submittal, please contact Tonia Downs at (724) 838-6057.

Sincerely,

Carol L. Hoffman

Carol L. Hoffman
Advanced Scientist

C: Mr. William F. Durham, Director
Division of Air Quality
WV Dept. of Environmental Protection
601 57th Street, SE
Charleston, WV 25304

Enclosures

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 ANNUAL COMPLIANCE CERTIFICATION[1]

Name of Permittee:	Allegheny Energy Supply Company LLC, a Subsidiary of First Energy Corporation	Name of Facility:	Pleasants-Willow Island Power Station
Permit Number:	R30-073-00005-2013	AFS Plant ID Number:	03-54-073-00005 (Pleasants) 03-54-073-00004 (Willow)
Mailing Address:	No.1 Power Station Boulevard Willow Island, WV 26134	Contact Person: Title: Telephone:	Tonia A. Downs Engineer V (724) 838-6057

For the reporting period beginning 01/01/2014 and ending 12/31/2014

Based upon the specific test methods, monitoring, recordkeeping 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:

a. The permittee has been in compliance with all General Conditions in Section 2.0 of the permittee's Title V Operating Permit, except to the extent that the permittee's Title V Operating Permit and underlying rules explicitly provide for exception periods or where deviations have been identified in either the 1st Half Semi-Annual Monitoring Report previously submitted or the 2nd Half Semi-Annual Monitoring Report attached to this certification;

b. I have reviewed all facility-wide and source specific requirements of the permittee's Title V Operating Permit, and certify compliance of all air pollutant emitting equipment and processes subject to facility-wide and source specific requirements of the permittee's Title V Operating Permit with all such requirements including all emission limitations and standards set forth in the referenced permit, except to the extent that the permit and underlying rules explicitly provide for exception periods or where deviations have been identified in either the 1st Half Semi-Annual Monitoring Report previously submitted or the 2nd Half Semi-Annual Monitoring Report attached to this certification.

c. 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:	3-12-2015

Note: Please check all required attachments included with this Annual Compliance Certification.

DAQ	X Form A – Annual Compliance Certification	X Semi-Annual Monitoring Report for the 2nd Half (July 1st through December 31st)
EPA	X Form A – Annual Compliance Certification	X Semi-Annual Monitoring Report for the 1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)

[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 A - Annual Compliance Certification

Permittee:	Facility:	Permit Number:
Allegheny Energy Supply Company LLC, a Subsidiary of First Energy	Pleasants-Willow Island Power Station	R30-073-00005-2013

For the reporting period beginning 01/01/2014 and ending 12/31/2014

Emission Unit ID	Condition Number of Permit Requirement	Term or Condition that is the Basis for Certification	Method or Means of Determining Compliance Status[1]	Was the source in compliance for the reporting period?	If no, how many deviations occurred during the reporting period?	If deviations occurred, indicate when deviations were reported?
Facility -Wide	3.1.1	Restriction on open burning	Verify there were no Open Burning occurrences	x Yes No		1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
Facility -Wide	3.1.3	Asbestos inspection / notification	Verify submittal of notifications to WV and EPA prior to any asbestos removal	x Yes No		1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
Facility -Wide	3.1.4	Objectionable odors	Records of complaints	x Yes No		1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
Facility -Wide	3.1.5	Standby Plans	N/A	x Yes No		1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
Facility -Wide	3.1.6	Emission Inventory Reporting	Verify report submitted by July 1st each year	x Yes No		1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)

[1]Include any other information reasonably available or otherwise known relating to the status of compliance.

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Facility -Wide	3.1.7	Standards for Ozone Depleting Substances	Certification of the individuals performing any maintenance/repairs	x Yes No		1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
Facility -Wide	3.1.8	RMP Plans	N/A	x Yes No		1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
Facility -Wide	3.1.12	Fugitive PM Controls	Verify that fugitive PM controls are in place	x Yes No		1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
Facility -Wide	3.1.9 3.1.10	CAIR NOx Annual and Ozone Trading Program	CAIR permit applications submitted. Reconciliations submitted.	x Yes No		1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
Facility -Wide	3.1.11	CAIR SO2 Trading Program	CAIR permit applications submitted. Reconciliations submitted.	x Yes No		1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)

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Facility -Wide	3.3.1	Stack Test Protocol and Notification submittal	Verify submittal of test protocols 30 days prior to testing	x Yes No		1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
Facility -Wide	3.4.1	Monitoring information and records	Review of Stack test reports, CEM records	x Yes No		1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
Facility -Wide	3.4.2	Retention of records	Record keeping policy, and retention of records for 5 years	x Yes No		1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
Facility -Wide	3.4.3	Records of odor complaints	Records review	x Yes No		1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
Facility -Wide	3.4.4	Fugitive dust records and inspections	Water/vacuum truck arrival (gate) logs, timesheets, and invoices. Weekly/monthly visual inspections.	x Yes No		1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)

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Facility -Wide	3.4.4	Maintenance of fugitive dust systems	Review of Electronic Maintenance Logs (SAP database)	x Yes No		1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
Facility -Wide	3.5.4	Certified Emission Statements/Fee Pmts	Verify submittal by 7/31 each year Verify annual fee payments.	x Yes No		1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
Facility -Wide	3.5.5	Annual Compliance Certification	Verify submittal by 3/15 each year	x Yes No		1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
Facility -Wide	3.5.6	Semi-Annual Monitoring Reports	Verify submittal by 3/15 and 9/15 each year	x Yes No		1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
Facility -Wide	3.5.7 3.5.8	Deviation/Emergency Reporting	Verify telephone call within 1 business day of discovery, written report within 10 days	x Yes No		1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)

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For the reporting period beginning 01/01/2014 and ending 12/31/2014

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Facility -Wide	3.5.9	New Applicable Requirements	N/A	x Yes No		1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
PLS Stack 1,2	4.1.1	10% Opacity Limit	Main Boilers - CAM Monitoring Aux Boiler - Method 9 if 24-hours consecutive operation	x Yes No		1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
PLS Stack 1,2 Aux Stk	4.2.1	Monitor Visible Emissions according to Monitoring Plan	Review CAM Monitoring calculations for main stacks; periodic Method 9 readings for Aux Stack	x Yes No		1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
PLS Stack 1,2	4.1.2	PM limit is 312.25 lb/hr/stack	Stack Test Results and CAM Monitoring (ESP power 3hr block averages)	x Yes No		1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
PLS Stack 1 Stack 2	4.2.2 4.4.4	(CAM) ESP power monitoring/records	Electronic files of hourly ESP power readings and 3-hr averages.	x Yes No		1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)

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PLS Aux Stack	4.1.3	Particulate Matter limit is 39.96 lb/hr	Review fuel oil analysis (Btu/gal) and monthly fuel records (startup, shutdown, quantity consumed)	x Yes No		1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
PLS Stack 1,2 Aux Stk	4.1.4	SO2 Additions	N/A	x Yes No		1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
PLS Stack 1,2 Aux Stk	4.4.1	Monitoring Plan records	Review station operating records, CEMS, COMS	x Yes No		1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
PLS Stack 1,2 Aux Stk	4.5.3	Periodic Exception Reports	45CSR2 and 45CSR10 Monitoring Plan exception reporting (6 month CAM report for PM, Qtrly SO2 CEMS)	x Yes No		1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
PLS Stack 1,2 Aux Stk	4.4.1	Fuel Use Operating Records	Review station operating and fuel records (quality, quantity per 45CSR2)	x Yes No		1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)

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Emission Unit ID	Condition Number of Permit Requirement	Term or Condition that is the Basis for Certification	Method or Means of Determining Compliance Status[1]	Was the source in compliance for the reporting period?	If no, how many deviations occurred during the reporting period?	If deviations occurred, indicate when deviations were reported?
PLS Stack 1,2 Aux Stk	4.1.6	Good Air Pollution Control Practice	Review operating and maintenance records	x Yes No		1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
PLS Stack 1 Stack 2	4.1.9	NOx Compliance, Main Stacks (NSPS limit)	Review CEM NOx records (limit 0.7 lb/mmBtu per stack). Quarterly EDR and CEM reports, annual NOx reconciliation	x Yes No		1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
PLS Stack 1 Stack 2	4.1.10	SO2 Compliance, Main Stacks	Review CEMs SO2 records, quarterly EDR report, quarterly exceedance reports (limit 1.2 lb/mmBtu per stack)	x Yes No		1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
PLS Aux Stack	4.1.11	SO2 Compliance, Aux Stack	Calculate using EPA AP-42 factors and fuel use records (limit is 1376.4 lb/hr)	x Yes No		1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
PLS Stack 1 Stack 2	4.1.12	Acid Rain Program compliance	Current Acid Rain permit, Annual reconciliation, CEMS records, quarterly reports	x Yes No		1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)

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PLS BH1e BH2e	5.1.3	Particulate limit on lime storage silo Bin Vents	Method 22 inspections of lime storage silos as required by condition 5.4.2	x Yes No		1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
Sludge Conveyors, Transfer Pts	5.1.4	Enclosed conveyors and transfer points serving sludge stabilization silos	Visual inspection of enclosures	x Yes No		1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
PLS Aux Stack	4.1.13	Aux Boiler fuel oil sulfur content (see also 4.4.1)	Fuel Purchase Contract (sulfur content) or Btu analysis; records of startup/shutdown and fuel consumption	x Yes No		1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
PLS Stack 1 Stack	4.1.14	20% Maximum ash content or coal	Ash analysis records	x Yes No		1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
PLS Stack 1 Stack	4.2.4	SO2, NOx, CO2 CEMs	Install, calibrate, certify, operate and maintain CEMs . Verify through CEM logbook and calibration reports	x Yes No		1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)

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PLS Stack 1 Stack	4.3.1	Particulate Matter Monitoring	Verify stack testing conducted using methods required by 45CSR2	x Yes No		1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
PLS Convyrs, Silos	5.2.1 5.4.2	Visible Emissions, Coal/Ash Handling, Lime Silos	Weekly Method 22 inspections; Method 9 if any VE observed and can be done w/in 24 hrs. Continue daily Mtd 9 until no VE observed.	x Yes No		1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
PLS Aux Stack	4.2.1	Auxiliary Stack PM emissions requirement (record keeping)	Aux Boiler records: startup/shutdown dates and times, quantity and quality of fuel burned monthly	x Yes No		1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
PLS Stack 1 Stack	4.5.1	NSPS Program Reporting (40CFR60)	Quarterly Excess Emissions Reports (CEM)	x Yes No		1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
PLS Stack 1 Stack	4.1.15 - 4.1.18	SBS Injection System Operation	Salt and soda ash throughput records, O&M practices, fugitive dust control records	x Yes No		1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)

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PLS Stack 1 Stack	4.5.4 4.5.5	Excess Opacity / Malfunction Reports	Malfunction Report submittals, 6 month CAM report submittal	x Yes No		1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
PLS WIL Gypsum	4.1.7 7.1.21 8.1.2	Emergency Operating Scenario Approval	Verify an application was submitted or an exemption was requested, and approval was received	x Yes No		1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
PLS Coal & Ash Handling	5.1.1	Visible Emission Limit 20%	Review Coal / Ash Handling equipment inspection log for compliance	x Yes No		1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
PLS Coal & Ash Handlin	5.1.2 4.1.9, 4.4.5	Good air pollution control practice verification	Monitoring results, opacity Observations, O&M records	x Yes No		1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
PLS Coal & Ash Handling	5.2.1	Visible Emission inspections (Method 9 and 22)	Records of weekly Method 22 inspections with Method 9 (or documented corrective action) followup as necessary. One annual Method 9 reading.	x Yes No		1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)

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PLS Coal & Ash Handling	5.4.1	Method 9 recordkeeping	Review reports for date, time, emission unit, limit, result of inspection, observer name, corrective action, control equip downtime	x Yes No		1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
Gypsum Facility	6.1.1 6.1.3	Production limits of 150 tph and 1,314,000 tons/yr	Review certified production records for gypsum	x Yes No		1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
Gypsum Facility	6.1.2 6.1.3	Barge shipment limits of 1500 tph and 1,314,000 tpy	Review material handling records for gypsum	x Yes No		1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
Gypsum Facility	6.1.9	Operation and maintenance of enclosures	Inspect gypsum facility full/partial enclosures	x Yes No		1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
Gypsum Facility	6.1.4 6.1.5	Visible emisison limit 20% (40% if less than 5 min per hour)	Review visible emission inspection log	x Yes No		1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)

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Gypsum Facility	6.1.7	Minimize fugitive emissions	Review visible emissions observation log	x Yes No		1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
Gypsum Facility	6.1.6	PM emission limit of 21.2 lb/hr	Review production records for compliance (calc of PM emissions from Gypsum permit applic)	x Yes No		1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
Gypsum Facility	6.1.9	Gypsum facility Air pollution control	Verify fugitive emissions controls are installed and maintained (visible inspection of plant)	x Yes No		1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
Gypsum Facility	6.1.8	Good operating practices to minimize fugitive dust	Review storeroom records (water truck, dustless vacuum truck timesheets) or visible emission inspection log	x Yes No		1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
Gypsum Facility	6.2.1 6.3.1	Method 9 and Method 22 visible emission inspections	Review records of gypsum plant Method 22 inspections. Follow up with documentation or Method 9 as required.	x Yes No		1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)

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Gypsum Facility	6.3.2	Method 9 visual inspections	Review records to verify Method 9 followup to Method 22 observation, if emissions were observed and were believed to be greater than 50%	x Yes No		1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
Gypsum Facility	6.4.1	Records of production and barge loading	Review records of certified monthly and annual production records	x Yes No		1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
Gypsum Facility	6.4.2 6.4.4 6.4.5	Visual inspection record detail	Record of date, time, applicable limit, operating status of system, ID of emission unit, observer name, corrective action	x Yes No		1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
Gypsum Facility	6.4.3	Fugitive Dust Suppression records	Water/vacuum truck timesheets in storeroom, plant entry log at guard gate	x Yes No		1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
WIL Stack 1 Stack	7.1.1 7.1.6	10% Opacity limit	Review quarterly reports from Continuous Opacity Monitors (COMs) as submitted to WV DEP	Yes No	N/A	1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)

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Form A - Annual Compliance Certification

Permittee:	Facility:	Permit Number:
Allegheny Energy Supply Company LLC, a Subsidiary of First Energy	Pleasants-Willow Island Power Station	R30-073-00005-2013

For the reporting period beginning 01/01/2014 and ending 12/31/2014

Emission Unit ID	Condition Number of Permit Requirement	Term or Condition that is the Basis for Certification	Method or Means of Determining Compliance Status[1]	Was the source in compliance for the reporting period?	If no, how many deviations occurred during the reporting period?	If deviations occurred, indicate when deviations were reported?
WIL Aux Stack	7.1.1	10% Opacity Limit	Review auxiliary boiler fule use records (19.89 mmBtu/hr boilers are exempt from testing and monitoring)	Yes No	N/A	1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
WIL Stack 1 Stack	7.2.1	Compliance using Continuous Opacity Monitors	Records of reporting data from Continuous Opacity Monitors (COMS)	Yes No	N/A	1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
WIL Stack 1 Stack	7.1.2 7.1.3	Particulate Emission Limits (31 lb/hr, 80.25 lb/hr)	Stack test	Yes No	N/A	1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
WIL Aux Stack	7.1.4	Particulate Emission Limit of 1.0 lb/hr	By design, or stack test at WV DEP request.	Yes No	N/A	1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
WIL Stack 1 Stack	7.1.5	SOx additions prohibited without approval	An application must be approved if SOx is added to the gas stream	Yes No	N/A	1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)

[1]Include any other information reasonably available or otherwise known relating to the status of compliance.

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Allegheny Energy Supply Company LLC, a Subsidiary of First Energy	Pleasants-Willow Island Power Station	R30-073-00005-2013

For the reporting period beginning 01/01/2014 and ending 12/31/2014

Emission Unit ID	Condition Number of Permit Requirement	Term or Condition that is the Basis for Certification	Method or Means of Determining Compliance Status[1]	Was the source in compliance for the reporting period?	If no, how many deviations occurred during the reporting period?	If deviations occurred, indicate when deviations were reported?
WIL Stack 1 Stack	7.1.6	Visible emissions monitoring	An approved Monitoring Plan under 45CSR2; Continuouos Opacity Monitoring records	Yes No	N/A	1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
WIL Stack 1 Stack	7.4.2	Monitoring data records	Verify COMS records/reports, fuel records are maintained	Yes No	N/A	1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
WIL Stack 1 Stack	7.5.1	Periodic exception reporting	Quarterly Excess Emission Reports and Summary reports (COMS)	Yes No	N/A	1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
WIL Stack 1 Stack	7.4.3	Operating and Fuel Use records	Data Acquisition Handling System (DAHS) electronic reports; electronic fuel use records ·	Yes No	N/A	1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
WIL Stack 1 Stack	7.1.7	Good air pollution control practices	Review operating and maintenance records	Yes No	N/A	1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)

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Permittee:	Facility:	Permit Number:
Allegheny Energy Supply Company LLC, a Subsidiary of First Energy	Pleasants-Willow Island Power Station	R30-073-00005-2013

For the reporting period beginning 01/01/2014 and ending 12/31/2014

Emission Unit ID	Condition Number of Permit Requirement	Term or Condition that is the Basis for Certification	Method or Means of Determining Compliance Status[1]	Was the source in compliance for the reporting period?	If no, how many deviations occurred during the reporting period?	If deviations occurred, indicate when deviations were reported?
WIL Aux Stack	7.1.8	Aux Stack NOx emission limit 3.2 lb/hr	By design, or stack test at WV DEP request.	Yes No	N/A	1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
WIL Stack 1 Stack	7.1.9 7.1.10 7.1.12	SO2 Compliance: Unit 1: 1671.3 lb/hr Unit 2: 4333.5 lb/hr	Review electronic CEM records/reports	Yes No	N/A	1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
WIL Aux Stack	7.1.11	SO2 Compliance with 19.8 lb/hr limit	By design, or stack test at WV DEP request.	Yes No	N/A	1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
WIL Stack 1 Stack	7.2.1	SO2 Emissions Testing and Monitoring	Approved Monitoring Plan, SO2 records (electronic CEM)	Yes No	N/A	1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
WIL Stack 1 Stack	7.2.2	SO2 Monitoring Data Records	Review operating records, fuel records, CEM records, stack tests	Yes No	N/A	1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)

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Permittee:	Facility:	Permit Number:
Allegheny Energy Supply Company LLC, a Subsidiary of First Energy	Pleasants-Willow Island Power Station	R30-073-00005-2013

For the reporting period beginning 01/01/2014 and ending 12/31/2014

Emission Unit ID	Condition Number of Permit Requirement	Term or Condition that is the Basis for Certification	Method or Means of Determining Compliance Status[1]	Was the source in compliance for the reporting period?	If no, how many deviations occurred during the reporting period?	If deviations occurred, indicate when deviations were reported?
WIL Stack 1 Stack 2	7.1.21	SO2 Periodic Exception Report	Verify quarterly EDR report submitted to WVDEP	Yes No	N/A	1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
WIL Stack 1 Stack 2	7.1.22	Records of operating schedule and fuel use	Review operating records and fuel records	Yes No	N/A	1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
WIL Stack 1 Stack 2	7.1.13	Acid Rain Program Compliance	Verify a current Acid Rain permit exists. Review NOx and SO2 annual reconciliations (allowance program).	Yes No	N/A	1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
WIL Aux Stack	7.1.14	Non-methane Hydrocarbon emission limit 0.1 lb/hr	By design, or stack test at WV DEP request.	Yes No	N/A	1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
WIL Aux Stack	7.1.15	CO emission limit 0.32 lb/hr	Calculation using AP-42 factor, fuel use and operating records	Yes No	N/A	1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)

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Permittee:	Facility:	Permit Number:
Allegheny Energy Supply Company LLC, a Subsidiary of First Energy	Pleasants-Willow Island Power Station	R30-073-00005-2013

For the reporting period beginning 01/01/2014 and ending 12/31/2014

Emission Unit ID	Condition Number of Permit Requirement	Term or Condition that is the Basis for Certification	Method or Means of Determining Compliance Status[1]	Was the source in compliance for the reporting period?	If no, how many deviations occurred during the reporting period?	If deviations occurred, indicate when deviations were reported?
WIL Aux Stack	7.1.16	Aux Boiler fuel requirement	Verify fuel is #2 oil or natural gas (fuel records)	Yes No	N/A	1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
WIL Aux Stack	7.1.17	Max Sulfur content of #2 Oil is 0.5% by weight	Review fuel records or fuel purcahse contract	Yes No	N/A	1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
WIL Aux Stack	7.1.18	Aux Boiler operating requirements	Verify main boilers were not running when aux boilers online (except for testing)	Yes No	N/A	x 1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
WIL Aux 3A, 3B	7.1.19	Annual Operations Limit, Aux Boilers	Verify operating hours in aux boiler log do not exceed 140 days	Yes No	N/A	1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
WIL Aux 3A, 3B	7.1.20	Max Heat Input 20.41E6 Btu/hr to each aux boiler	By design	Yes No	N/A	1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)

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Permittee:	Facility:	Permit Number:
Allegheny Energy Supply Company LLC, a Subsidiary of First Energy	Pleasants-Willow Island Power Station	R30-073-00005-2013

For the reporting period beginning 01/01/2014 and ending 12/31/2014

Emission Unit ID	Condition Number of Permit Requirement	Term or Condition that is the Basis for Certification	Method or Means of Determining Compliance Status[1]	Was the source in compliance for the reporting period?	If no, how many deviations occurred during the reporting period?	If deviations occurred, indicate when deviations were reported?
WIL Stack 1 Stack 2	7.2.1	Compliance Determination for 10% Opacity Limit	Approved Monitoring Plan stating COMS to be used to determine compliance	Yes No	N/A	1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
WIL Stack 1 Stack 2	7.2.3 7.4.2	CEMS, COMS Monitoring Compliance	Review CEMS/COMS calibration data, CEM maintenance logbook	Yes No	N/A	1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
WIL Stack 1 Stack 2	7.3.1	Stack Testing per 45 CSR 2	Verify compliance with stack test schedule as defined by prior test results and schedule in 45 CSR 2 and 2A	Yes No	N/A	1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
WIL Stack 1 Stack 2	7.4.3 7.5.5	Operating and Fuel Use Recordkeeping	Review electronic and hardcopy records for main boilers and auxiliary boilers	Yes No	N/A	1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
WIL Stack 1 Stack	7.5.6	Quarterly SO2 Reporting	Quarterly submittal of EDR report	Yes No	N/A	1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)

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Form A - Annual Compliance Certification

Permittee:	Facility:	Permit Number:
Allegheny Energy Supply Company LLC, a Subsidiary of First Energy	Pleasants-Willow Island Power Station	R30-073-00005-2013

For the reporting period beginning 01/01/2014 and ending 12/31/2014

Emission Unit ID	Condition Number of Permit Requirement	Term or Condition that is the Basis for Certification	Method or Means of Determining Compliance Status[1]	Was the source in compliance for the reporting period?	If no, how many deviations occurred during the reporting period?	If deviations occurred, indicate when deviations were reported?
WIL Stack 1 Stack 2	7.5.3	Opacity Exceedance (caused by malfunction) Reporting	Quarterly electronic reporting (COMs) indicating malfunctions/exceedances	Yes No	N/A	1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
WIL Stack 1 Stack 2	7.5.4 7.5.7	Opacity Exceedance (caused by malfunction) Reporting	Telephone call to WV DEP within 1 day of discovery; written report within 30 days if reporting criteria met	Yes No	N/A	1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
WIL Stack 1 Stack 2	7.5.6	Quarterly SO2, NOx and CO2 reporting to US EPA	EDR report submitted within 30 days of end of quarter	Yes No	N/A	1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
WIL Stack 1 Stack 2	7.2.4 7.4.4	(CAM) Particulate Matter Monitoring	Check electronic files for 1-hr and 3-hr average PM data calculated from opacity correlation	Yes No	N/A	1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
WIL Coal & Ash Handlin	8.1.1	Fugitive Dust Control Systems	Verify fugitive dust controls are in place.	Yes No	N/A	1st Half (January 1st through June 30th) 2nd Half (July 1st through December 31st)
WIL Stack2	Consent Order CO-R13-99-39 Sec III Condition #5	Conduct a PM and CO stack test with CEMS RATA	PM and CO Stack test report	Yes No	N/A	**1st Half (January 1st through June 30th)** **2nd Half (July 1st through December 31st)**

1 Include any other information reasonably available or otherwise known relating to the status of compliance.

FORM A - Annual Compliance Certification

ATTACHMENT A

Permittee: Allegheny Energy Supply Company LLC, a Subsidiary of FirstEnergy

Facility: Pleasants - Willow Island Power Station

Permit Number: R30-073-00005-2013

For the reporting period beginning **01/01/2014** and ending **12/31/2014**

Emission Unit ID	Condition Number of Permit Requirement	Term or Condition that is the Basis for Certification	Method or Means of Determining Compliance Status	Was the source in compliance for the reporting period?	If not, how many deviations occurred during the reporting period?	If deviations occurred, indicate when deviations were reported?
PLS Stack 1,2	4.2.3	Calibrate, Maintain, and Operate ESP power meters	Operate in accordance with manufacturer's specifications	X Yes No		..... 1st Half (Jan. 1 through June 30th) ..... 2nd Half (July 1st through Dec. 31st)
PLS Stack 1,2	4.1.20	EGU MACT 40CFR63 Subpart UUUUU	Initial notification; Compliance by 4/16/16	X Yes No		..... 1st Half (Jan. 1 through June 30th) ..... 2nd Half (July 1st through Dec. 31st)
PLS Aux Stack	4.1.21	IB MACT 4CFR63 Subpart DDDDD	Initial notification; Compliance by 4/16/16	X Yes No		..... 1st Half (Jan. 1 through June 30th) ..... 2nd Half (July 1st through Dec. 31st)
EDG PA EDG PB PLS FP-1	4.1.22	Existing Emergency RICE requirements	EDG 1,2 and FP-1 records	X Yes No		..... 1st Half (Jan. 1 through June 30th) ..... 2nd Half (July 1st through Dec. 31st)
PLS FP-1	4.1.23 4.5.6	Existing Small Engine Emergency RICE requirements - rountine maintenance	Semi-Annual Title V Reporting of deviations	Yes X No	1	..... 1st Half (Jan. 1 through June 30th) ...X... 2nd Half (July 1st through Dec. 31st)
PLS FP-2	4.1.24 4.1.25 4.1.26 4.1.27 4.1.28 4.1.29	New Small Engine Emergency RICE requirements	Records of NSPS certification, records of new engine RICE requirementw	X Yes No		..... 1st Half (Jan. 1 through June 30th) ..... 2nd Half (July 1st through Dec. 31st)
PLs Stack 1,2	4.1.30	SCR Operation	Records of Unit downtime and SCR maintenance	X Yes No		..... 1st Half (Jan. 1 through June 30th) ..... 2nd Half (July 1st through Dec. 31st)
PLs Stack 1,2	4.2.6 4.2.7	Monitor SBS system throughputs	Records of monthly and 12 month rolling throughputs of salt and soda ash	X Yes No		..... 1st Half (Jan. 1 through June 30th) ..... 2nd Half (July 1st through Dec. 31st)

FORM A - Annual Compliance Certification

ATTACHMENT A

Permittee: Allegheny Energy Supply Company LLC, a Subsidiary of FirstEnergy

Facility: Pleasants - Willow Island Power Station

Permit Number: R30-073-00005-2013

For the reporting period beginning **01/01/2014** and ending **12/31/2014**

Emission Unit ID	Condition Number of Permit Requirement	Term or Condition that is the Basis for Certification	Method or Means of Determining Compliance Status	Was the source in compliance for the reporting period?	If not, how many deviations occurred during the reporting period?	If deviations occurred, indicate when deviations were reported?
PLS All Emission Units	4.4.6	Records of malfuctions of air pollution control equipment	Malfucntion records	**X** Yes No		..... 1st Half (Jan. 1 through June 30th) ..... 2nd Half (July 1st through Dec. 31st)
PLS FP-1	4.4.7	FP-1 Recordkeeping	Records of malfunction, maintenance, operating hrs (and type)	**X** Yes No		..... 1st Half (Jan. 1 through June 30th) ..... 2nd Half (July 1st through Dec. 31st)
PLS Stack 1,2	4.5.2	CEMS Quarterly Reporting	Verify electronic reports submtted to EPA	**X** Yes No		..... 1st Half (Jan. 1 through June 30th) ..... 2nd Half (July 1st through Dec. 31st)
PLS Stack 1,2	4.5.3	45CSR2 Exception Reporting	Verify 6 month CAM report submittal	**X** Yes No		..... 1st Half (Jan. 1 through June 30th) ..... 2nd Half (July 1st through Dec. 31st)

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: R30-07300005-2008, 2013	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 / 2014 and ending 12 / 31 /2014	
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: 3-12-2015
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: R30-07300005-2008, 2013
For the reporting period beginning 07 / 01 / 2014 and ending 12 / 31 / 2014		

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: 03/26/2014 PLS U2 RATAs: 03/27/2014
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 10/29/2014 4th Quarter submitted 01/29/2015
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-June 2014 submitted 09/15/14 July-Dec 2014 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 09/11/12 Unit 2 11/29/12
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.

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: R30-07300005-2008, 2013
For the reporting period beginning 07 / 01 / 2014 and ending 12 / 31 / 2014		

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 10/29/2014 4th Quarter submitted 01/29/2015
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:
Willow Island Stack 1,2	7.2.1 Opacity COMS data	X Yes ☐ No	N/A – Long Term Cold Storage

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 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: R30-07300005-2008 , 2013

For the reporting period beginning 07 / 01 / 2014 and ending 12 / 31 / 2014

Emission Unit ID	Monitoring, Data, or Analysis Required by the Permit	Separate Monitoring Report?	Date of Separate Report Submittal or Attachment ID
Willow Island Stack 1,2	7.2.1 PM stack tests: Unit 1 in accordance with 45CSR2. Unit 2 annually per (TDF) Consent Order. Unit 1 extension granted 2/11/11, Unit 2 extension granted 4/16/11	X Yes ☐ No	N/A – Long Term Cold Storage
Willow Island Stack 1,2	7.2.3 Records of SO2, NOx and CO2 emissions (CEM Quarterly Reports for SO2 and NOx)	X Yes ☐ No	N/A – Long Term Cold Storage
Willow Island Unit 1,2	7.2.4 / 7.4.4 CAM Compliance. The DAS is programmed to calculate an hourly lb/hr PM emission rate and 3-hour rolling averages, based on correlation with opacity.	X Yes ☐ No	N/A – Long Term Cold Storage
Willow Island Stack 1,2 Aux Blr St	7.4.1 Maintain operating and fuel use records. Submit a quarterly startup/shutdown log for main boilers.	X Yes ☐ No	N/A – Long Term Cold Storage

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: R30-07300005-2008, 2013

For the reporting period beginning **07 / 01 / 2014** and ending 12 / **31 / 2014**

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)			
PLS FP-1	4.1.23	Annual Inspection	Air cleaner, hoses, and belts not inspected or replaced in calendar year. Oil analysis was performed.	Annual inspection not completed till 1/5/15 due to vendor scheduling. Established work order for 2015 annual maintenance to be completed in May.	Beginning Ending	12/31/14 23:59 1/5/15 15:30	☐ am ☐ am	X pm X pm
					Beginning Ending		☐ am ☐ am	☐ pm ☐ 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.

Compliance Assurance Monitoring (CAM)

Detail Report

Reporting Period

July 1, 2014 through December 31, 2014

Company: Allegheny Energy Supply Pleasants Power Station
Address: #1 Power Station Boulevard Willow Island, WV 26134
Unit Description: Coal Fired Generating Facility

Pollutant: PM **Emission Limit:** 312.25 lb/hr per Unit

Unit 1 Excursions

Date	Starting Time	Ending Time		Reason	Action(s) Taken
none in reporting period					

0.0

Unit 2 Excursions

Date	Starting Time	Ending Time		Reason	Action(s) Taken
none in reporting period					

0.0

Unit 1 Monitoring Downtime

Date	Starting Time	Ending Time	Total Hours	Reason	Action(s) Taken
8/21/2014 - 8/22/2014	11:36	12:54	25.3	Loss of power/communication PI data link & ESP Computer	Reset communication manually

25.3

Unit 2 Monitoring Downtime

Date	Starting Time	Ending Time	Total Hours	Reason	Action(s) Taken
12/20/2014	6:24	9:36	3.20	Loss of power/communication PI data link & ESP Computer	Reset communication manually

3.20

Pleasants Power Station

Compliance Assurance Monitoring (CAM) Summary Report

Reporting Period

July 1, 2014 through December 31, 2014

Company: Allegheny Energy Supply *Pleasants Power Station*
Address: #1 Power Station Boulevard Willow Island, WV 26134
Unit Description: Coal Fired Generating Facility

Pollutant: Particulate Matter **Emission Limit:** 312.25 lbs/hr per Unit

Emissions Data Summary		**Unit 1**	**Unit 2**
Total source hours of operation (hr)		4,179	3,994
1. Duration (hr) of excess emissions in reporting period due to:			
a.)	*Startup/shutdown*	*0*	*0*
b.)	*Control equipment problems*	*0*	*0*
c.)	*Process problems*	*0*	*0*
d.)	*Other known problems*	*0*	*0*
e.)	*Unknown excess emissions cause*	*0*	*0*
2. Total duration of excess emission (hr)		0	0
3. Excess emissions duration (%)		0.0%	0.0%
1. Monitoring downtime (hr) in reporting period due to:			
a.)	*Monitoring equipment malfunction*	*25.30*	*3.20*
b.)	*Non-monitoring equipment malfunction*	*0.00*	*0.00*
c.)	*Quality assurance calibration*	*0.00*	*0.00*
d.)	*Other known cause*	*0.00*	*0.00*
e.)	*Unknown causes*	*0.00*	*0.00*
2. Total CEMS downtime (hr)		25.30	3.20
3. Cems downtime (%)		0.6%	0.1%

RECEIVED
MAR 17 2015
Air Protection Division

Allegheny Energy Supply
an Allegheny Energy company
PLEASANTS/WILLOW ISLAND REGION
#1 Power Station Boulevard
Willow Island, WV 26134-9726

September 11, 2014

CERTIFIED MAIL
7011 3500 0000 7347 7748

Mr. William F. Durham, Director
Division of Air Quality
WV Dept. of Environmental Protection
601 57th Street, SE
Charleston, WV 25304

RE: Pleasants / Willow Island Power Stations
Title V Operating Permit #R30-07300005-2008
January 1, 2014 – June 30, 2014

45CSR30-5.1.c.3.A Title V Semi-Annual Monitoring Report
40CFR64 Compliance Assurance Monitoring (CAM) Plan Report

Dear Mr. Benedict:

The enclosed submittal satisfies the Title V Semi-Annual reporting requirement for Permit #R30-07300005-2008 issued for the Pleasants / Willow Island Power Stations. The semi-annual monitoring report is required by Condition 3.5.6 of the Title V permit and covers the period from January 1, 2014 through June 30, 2014.

In the correspondence dated December 21, 2012 from Mark Sowa to John Benedict, we detailed our plans concerning Title V compliance submittals for the long term cold storage effective September 1, 2012. This correspondence confirms that Willow Island Station remained in cold storage throughout the first and second quarter of 2014.

If you have any questions or require additional information, please contact Deborah Schramm at telephone (304) 665-3207 or via email at dschramm@firstenergycorp.com.

Sincerely,

Deborah Schramm

Deborah Schramm

Enclosures

Bc: (w/enclosure)
T. A. Downs – GCC C109
M. Valach - Pleasants
D. E. Evans - Pleasants
D. C. Schramm - Pleasants
Master File – Air/Pleasants/Title V Reports
Master File – Air/Willow/Title V Reports

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: R30-07300005-2008, 2013	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 01 / 01 / 2014 and ending 06 / 30 /2014	
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: 09/11/2014
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

For the reporting period beginning 01 / 01 / 2014 and ending 06 / 30 / 2014

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: 05/07/2014 PLS U2 RATAs: 05/07/2014
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	1st Quarter submitted 04/29/2014 2nd Quarter submitted 07/29/2014
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	July-Dec 2013 submitted 03/14/14 Jan-June 2014 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 09/11/12 Unit 2 11/29/12
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 w 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. 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 d 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 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
For the reporting period beginning 01 / 01 / 2014 and ending 06 / 30 / 2014			
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	1st Quarter submitted 04/29/2014 2nd Quarter submitted 07/29/2014
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:
Willow Island Stack 1,2	7.2.1 Opacity COMS data	X Yes ☐ No	N/A – Long Term Cold Storage

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 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. 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 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 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
For the reporting period beginning 01 / 01 / 2014 and ending 06 / 30 / 2014			
Emission Unit ID	Monitoring, Data, or Analysis Required by the Permit	Separate Monitoring Report?	Date of Separate Report Submittal or Attachment ID
Willow Island Stack 1,2	7.2.1 PM stack tests: Unit 1 in accordance with 45CSR2. Unit 2 annually per (TDF) Consent Order. Unit 1 extension granted 2/11/11, Unit 2 extension granted 4/16/11	X Yes ☐ No	N/A – Long Term Cold Storage
Willow Island Stack 1,2	7.2.3 Records of SO2, NOx and CO2 emissions (CEM Quarterly Reports for SO2 and NOx)	X Yes ☐ No	N/A – Long Term Cold Storage
Willow Island Unit 1,2	7.2.4 / 7.4.4 CAM Compliance. The DAS is programmed to calculate an hourly lb/hr PM emission rate and 3-hour rolling averages, based on correlation with opacity.	X Yes ☐ No	N/A – Long Term Cold Storage
Willow Island Stack 1,2 Aux Blr St	7.4.1 Maintain operating and fuel use records. Submit a quarterly startup/shutdown log for main boilers.	X Yes ☐ No	N/A – Long Term Cold Storage

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 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. 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 c 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

For the reporting period beginning **01 / 01 / 2014** and ending 06 / **30 / 2014**

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)
			None in reporting period		Beginning ☐ am X pm Ending ☐ am X pm
					Beginning ☐ am X pm Ending ☐ am X 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.

Pleasants Power Station

Compliance Assurance Monitoring (CAM) Summary Report

Reporting Period

January 1, 2014 through June 30, 2014

Company: Allegheny Energy Supply *Pleasants Power Station*

Address: #1 Power Station Boulevard Willow Island, WV 26134

Unit Description: Coal Fired Generating Facility

Pollutant: Particulate Matter **Emission Limit:** 312.25 lbs/hr per Unit

Emissions Data Summary		**Unit 1**	**Unit 2**
Total source hours of operation (hr)		2,962	3,830
1. Duration (hr) of excess emissions in reporting period due to:			
a.)	*Startup/shutdown*	*0*	*0*
b.)	*Control equipment problems*	*0*	*0*
c.)	*Process problems*	*0*	*0*
d.)	*Other known problems*	*0*	*0*
e.)	*Unknown excess emissions cause*	*0*	*0*
2. Total duration of excess emission (hr)		0	0
3. Excess emissions duration (%)		0.0%	0.0%
1. Monitoring downtime (hr) in reporting period due to:			
a.)	*Monitoring equipment malfunction*	*0*	*3.7*
b.)	*Non-monitoring equipment malfunction*	*0*	*0*
c.)	*Quality assurance calibration*	*0*	*0*
d.)	*Other known cause*	*0*	*0*
e.)	*Unknown causes*	*0*	*0*
2. Total CEMS downtime (hr)		0	3.7
3. Cems downtime (%)		0.0%	0.1%

Compliance Assurance Monitoring (CAM)

Detail Report

Reporting Period

January 1, 2014 through June 30, 2014

Company: Allegheny Energy Supply Pleasants Power Station
Address: #1 Power Station Boulevard Willow Island, WV 26134
Unit Description: Coal Fired Generating Facility

Pollutant: PM **Emission Limit:** 312.25 lb/hr per Unit

Unit 1 Excursions

Date	Starting Time	Ending Time		Reason	Action(s) Taken
none in reporting period					

0.0

Unit 2 Excursions

Date	Starting Time	Ending Time		Reason	Action(s) Taken
none in reporting period					

0.0

Unit 1 Monitoring Downtime

Date	Starting Time	Ending Time	Total Hours	Reason	Action(s) Taken
none in reporting period					

0.00

Unit 2 Monitoring Downtime

Date	Starting Time	Ending Time	Total Hours	Reason	Action(s) Taken
3/29/2014	10:00	13:42	3.7	Loss of power/communication ESP controls and computer	Reset communication manually

3.70