2010 Primary Sulfur Dioxide (SO$_2$)
National Ambient Air Quality Standard (NAAQS)

List of Modeling Files Uploaded to
Region 6 Air Program-Oklahoma SharePoint Site For
American Electric Power
Public Service Company of Oklahoma,
Northeastern Power Station

[PSO\]
> This is the working folder for the PSO facility.

[PSO\CEM Data\2011-2014]
> This is the working folder for processing the CAMD CEM data files for the PSO Northeastern Power Station.

[PSO\CEM Data\2011-2014\RATA]
> This folder contains the Relative Accuracy Test Audit (RATA) reports.
> > {YEAR Facility Unit #.pdf}
> > > Adobe files of RATA reports for the specific facility, emission unit, and year.
> > {Facility RATA.xls}
> > > Excel file analyzing RATA data for the specific facility.

[PSO\CEM Data\2011-2014\Northeastern]
> This is the working folder for the PSO Northeastern CEM data.
> {2012-14 PSO NE (R).prn}
> > This is the hourly source data AERMOD input file.
> {2012-14 PSO NE (R).xlsx}
> > Excel file used to combine data from each year and each emission unit into a single file.
> {YEAR-Northeastern-#.csv}
> > CSV file containing the continuous hourly input data formatted for AERMOD for the specific year and emission unit.
> {YEAR-Northeastern -#-RAW.csv}
> > CSV file that contains the raw hourly CEM data for the specific year and emission unit.
> {YEAR-Northeastern -#-RAW Analysis.xlsx}
> > Excel file used to analyze the CEM data for that specific year and emission unit.
> {AEP-NES Temp Flow and Vel YEAR Unit.xls}

Excel file containing hourly CEM from the applicant data used to generate the hourly AERMOD input file.

{AEP-NES Temp Flow and Vel YEAR Unit.pdf}

Adobe files containing hourly CEM from the applicant data for each year.

[PSO\DOMAIN10\]

This is the working folder for the AERMOD modeling files for the PSO facility.

This folder contains the following files for each modeling run:

AERMOD INPUT: {DOMAIN10CEM(R2).DTA}

    A single run for the combined meteorological data period 2012-2014.

    This run represents multiple scenarios as different source groups as defined in the modeling report.

AERMOD RUN File: {DOMAIN10CEM(R2).RUN}

AERMOD OUTPUT: {DOMAIN10CEM(R2).LST}
                           {DOMAIN10CEM(R2).SUM}

AERMAP INPUT: {DOMAIN10CEM(R2).MAP}

AERMAP RUN File: {DOMAIN10CEM(R2).Mot/Rmp}

AERMAP OUTPUT: {DOMAIN10CEM(R2).rcf/srf}
                           {MAPDETAIL.OUT}
                           {MAPPARAMS.OUT}

BPIP INPUT: {DOMAIN10CEM(R2).PIP}

BPIP RUN File: {DOMAIN10CEM(R2).PRW}

BPIP OUTPUT: {DOMAIN10CEM(R2).TAB/SO}

MAXDCONT File: {DOMAIN10CEM(R2)_1-hr_NAAQS2_4_10_MAXDCONT.OUT}

    Separate analyses were conducted with and for different operating scenarios.

GUI Files: {DOMAIN10CEM(R2).BST}
                           {DOMAIN10CEM(R2).BAT}

Graphic File: {DOMAIN10CEM(R2).GRF}

[PSO\DOMAIN10\52654310/67675012\]

This folder contains the terrain files for AERMAP and their associated files generated when the NED data was downloaded.

{52654310/67675012.tif/aux/dir/idx/prj/tfw/xml/}

{52654310/67675012_meta1.faq/html/sgml/txt/xml}

{METADATA.bdf/prj/shp/shx}

{NED DataDictionary.pdf}

{NED_Release_Notes_Oct12.pdf}

{output_parameters.txt}

[PSO\DOMAIN10\Source Data\]
This folder contains files of the original CEM data submitted to the AQD from the affected facility and processed data used for the modeling of the facility.

{Export_FACID.xls}
Actual emission inventory data for the given facility ID. The PSO Northeastern Power Station facility ID is 212.
{2012918-2vr1.doc}
Current facility operating permit.

[PSO\AERSURFACE Files\]
This folder contains all of the AERSURFACE files used in processing the meteorological data.

{CALL_(A/D/W).(log/txt)}
These are the individual AERSURFACE run files (log) and output (txt) for the specific station given by their call signs. They contain the primary and secondary (if used) meteorological data stations. Call Signs - ISHD Station: KGCM; Mesonet Station: CLRM; Site Location: PSO. The A, D, W options are descriptors defining if the AERSURFACE run was conducted using average – A, dry – D, or wet – W conditions when determining the Bowen Ratio.

[PSO\Meteorological Data]
This is the working folder for processing the meteorological data.

[PSO\Meteorological Data\CLRM]
This is the working folder for processing the meteorological data for the PSO modeling domain (DOMAIN 10).

{CLRM Wind Rose 2012-2014.jpg}
This is the wind rose picture for the three year meteorological data set.

[PSO\Meteorological Data\CLRM\BEEST]
This is folder contains the GUI files and the AERMET input output files.

{CLRMYR(1).IN1/IN2/IN3}
Input files for the specific station and year. IN1/IN2/IN3 designates the AERMET processing stage (1, 2, or 3).
{CLRMYR(1).MS1/MS2/MS3}
Message files for the specific station and year. MS1/MS2/MS3 designates the AERMET processing stage (1, 2, or 3).
{CLRMYR(1).RP1/RP2/RP3}

Report files for the specific station and year. RP1/RP2/RP3 designates the AERMET processing stage (1, 2, or 3).

{CLRMYR(1).SFC/PFL}
AERMET output files containing the processed meteorological data for the specific year and station.

[PSO\Meteorological Data\CLRM\FSL Data]
This folder contains the ESRL RAOB data files for each year.

{YEAR_OUN.txt}
Text files with the ESRL data for the specific year for the OUN station.

[PSO\Meteorological Data\CLRM\ISH Data]
This folder contains the ISHD data files for each year and the ISHD files containing data substitution for missing hours and missing cloud cover.

{722091-53940-YEAR} {USAFID-WBAN#-YEAR}
Text files with the ISHD data for the specific station and year.
{722091-53940-YEAR(1)} {USAFID-WBAN#-YEAR}
Text files with the ISHD data for the specific station and year with substituted data from KTUL.
{722091-53940-YEAR(rpt).txt} {USAFID-WBAN#-YEAR}
Text files with report on data substitution from KTUL.

[PSO\Report\]
This folder contains the modeling report and associated files.

{SO2 Modeling Report – PSO Northeastern (10-17-2016) Final.docx}
{SO2 DRR - Modeling Data - PSO Northeastern Power Station.xlsx}
This file contains all of the source data used in the model.
{List of Files in Modeling Folders(PSO).docx}
This file lists all of the files in the modeling folders.

Names enclosed with **brackets []** are folder names.
Names enclosed with curly brackets {} are file names.

YEAR – Specific year which the file contains data (e.g. 2012).
- Emission unit
YR – Specific year which the file contains data (e.g. 12).
MO – Specific month for which the file contains data (e.g. 01).
DY – Specific day for which the file contains data (e.g. 01).
FACID – Facility ID number (TEAM Database).