

(Doc. No.1) Attachment No. 5 - Pennsylvania Fleet Average for Units Identified by OTC

Ozone Exceedance Dates:	Average Emission rates of Combined PA Units Identified by OTC Lbs/MWh	Average Emission rates of Combined PA Units Identified by OTC Lbs/MMBtu	Does Daily Average of OTC Identified Units Combined Meet Maryland's Daily Requirements?	Does Daily Average of OTC Identified Units Combined Meet Delaware's Daily Requirements?	Does Daily Average of OTC Identified Units Combined Meet New Jersey's Daily Requirements?	
<u>PA Units Averaged based upon the Units identified in the OTC's 184(C) Petition. (WC= Waste Coal & C = Coal)</u>						
5/1/2018,	1.16	0.117	Yes	Yes	Yes	Bruce Mansfield, Cambria Cogen (WC), Cheswick (C), Conemaugh (C), Homer City (C), Keystone (C), Montour (C), Panther Creek (WC), Scrubgrass Generating Plant (WC), & Seward (WC)
5/2/2018,	1.12	0.114	Yes	Yes	Yes	Bruce Mansfield, Cambria Cogen (WC), Cheswick (C), Conemaugh (C), Homer City (C), Keystone (C), Montour (C), Panther Creek (WC), Scrubgrass Generating Plant (WC), & Seward (WC)
6/18/2018,	1.15	0.11	Yes	Yes	Yes	Bruce Mansfield, Cambria Cogen (WC), Cheswick (C), Conemaugh (C), Homer City (C), Keystone (C), Montour (C), Panther Creek (WC), Scrubgrass Generating Plant (WC), & Seward (WC)
6/30/2018,	1.22	0.11	Yes	Yes	Yes	Bruce Mansfield, Cambria Cogen (WC), Cheswick (C), Conemaugh (C), Homer City (C), Keystone (C), Montour (C), Panther Creek (WC), Scrubgrass Generating Plant (WC), & Seward (WC)
7/3/2018,	1.16	0.107	Yes	Yes	Yes	Bruce Mansfield, Cambria Cogen (WC), Cheswick (C), Conemaugh (C), Homer City (C), Keystone (C), Montour (C), Panther Creek (WC), Scrubgrass Generating Plant (WC), & Seward (WC)
7/9/2018,	1.34	0.122	Yes	Yes	Yes	Bruce Mansfield, Cambria Cogen (WC), Cheswick (C), Conemaugh (C), Homer City (C), Keystone (C), Montour (C), Panther Creek (WC), Scrubgrass Generating Plant (WC), & Seward (WC)
7/10/2018,	1.14	0.105	Yes	Yes	Yes	Bruce Mansfield, Cambria Cogen (WC), Cheswick (C), Conemaugh (C), Homer City (C), Keystone (C), Montour (C), Panther Creek (WC), Scrubgrass Generating Plant (WC), & Seward (WC)
7/16/2018,	1.19	0.113	Yes	Yes	Yes	Bruce Mansfield, Cambria Cogen (WC), Cheswick (C), Conemaugh (C), Homer City (C), Keystone (C), Montour (C), Panther Creek (WC), Scrubgrass Generating Plant (WC), & Seward (WC)
8/10/2018,	1.06	0.099	Yes	Yes	Yes	Bruce Mansfield, Cambria Cogen (WC), Cheswick (C), Conemaugh (C), Homer City (C), Keystone (C), Montour (C), Panther Creek (WC), Scrubgrass Generating Plant (WC), & Seward (WC)
9/6/2018.	1.18	0.112	Yes	Yes	Yes	Bruce Mansfield, Cambria Cogen (WC), Cheswick (C), Conemaugh (C), Homer City (C), Keystone (C), Montour (C), Panther Creek (WC), Scrubgrass Generating Plant (WC), & Seward (WC)

Delaware's 24 Hour requirement:

0.125 on a 24 hour rolling basis.

Maryland's requirement:

Not later than June 1, 2020, meet either a NOx emission rate of 0.13 Lbs/MMBtu as determined on a 24-hour systemwide block average or a systemwide NOx tonnage cap of 21 tons per day during the ozone season.

Not later than June 1, 2020: Install and operate a selective catalytic reduction (SCR) control system; and meet a NOx emission rate of 0.09 lbs./MMBtu, as determined on a 30 day rolling average during the ozone season.

Maryland should define a system wide block average in response to the comments and indicate how many units can participate in such a block average.

New Jersey requirement:

1.5 Lbs. / Megawatt hour. This is equivalent to about 0.15 Lbs/MMBtu heat input depending upon a unit's operational efficiency.

Note: Pennsylvania's rule makes no accomodation for start up and shut down opertions. Delaware, Maryland and New Jersey may not enforce daily limits for hours of operation during start-up and shut down periods.