

2018 Ozone Design Values – Washington, DC Ozone Nonattainment Area

Background

Association for Southeastern Integrated Planning (ASIP) performed a photochemical modeling analysis for projecting ozone design values for the year 2018 for a number of states in southeast region.

An analysis of the ASIP model projected ozone design values for the year 2018 for the Washington, DC-MD-VA ozone nonattainment area; it is clear that for –

Virginia

Six out of nine Virginia monitors will be in nonattainment for the new (2008) ozone NAAQS of 75 ppb. These monitors are:

- a. Arlington (77.8 ppb)
- b. Mt. Vernon (79 ppb)
- c. Lee Park (79 ppb)
- d. Annandale (78.3 ppb)
- e. McLean (77.5 ppb)
- f. Alexandria (79 ppb)

Maryland

All Maryland monitors are projected be in attainment for the new ozone NAAQS.

District of Columbia

All Maryland monitors are projected be in attainment for the new ozone NAAQS.

Conclusion

The highest ozone design value in the Washington, DC-MD-VA ozone nonattainment area in the year 2018 is projected to be 79 ppb, which is higher than the new 2008 ozone standard of 75 ppb. Therefore, it would require additional emissions control efforts to bring ozone levels down and attain the standard in the year 2018 and beyond.