

Air Quality Trends for Duval County

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Photo:
Air Monitoring Station
at Pepsi Place



ONE CITY. ONE JACKSONVILLE.

City of Jacksonville, Florida

Lenny Curry, Mayor

Environmental Quality Division
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214 N. Hogan Street, 5th Floor
Jacksonville, Florida 32202

Jacksonville Air Monitoring Network





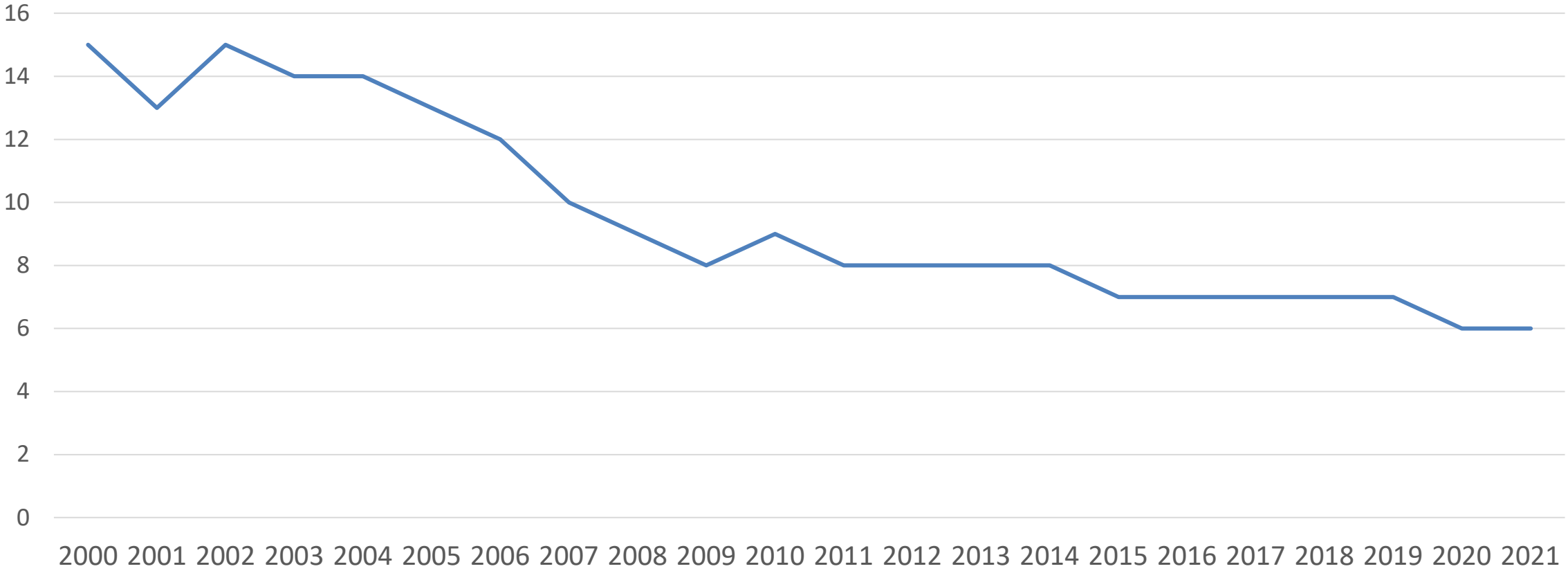
Criteria Pollutants – all monitored in Duval Co

- Carbon monoxide (CO) – 1 site
- Nitrogen Dioxide (NO₂) – 2 sites
- Sulfur Dioxide (SO₂) – 1 site
- Ozone (O₃) – 3 sites
- Course Particulate Matter (PM₁₀) – 1 site
- Fine Particulate Matter (PM_{2.5}) – 6 sites



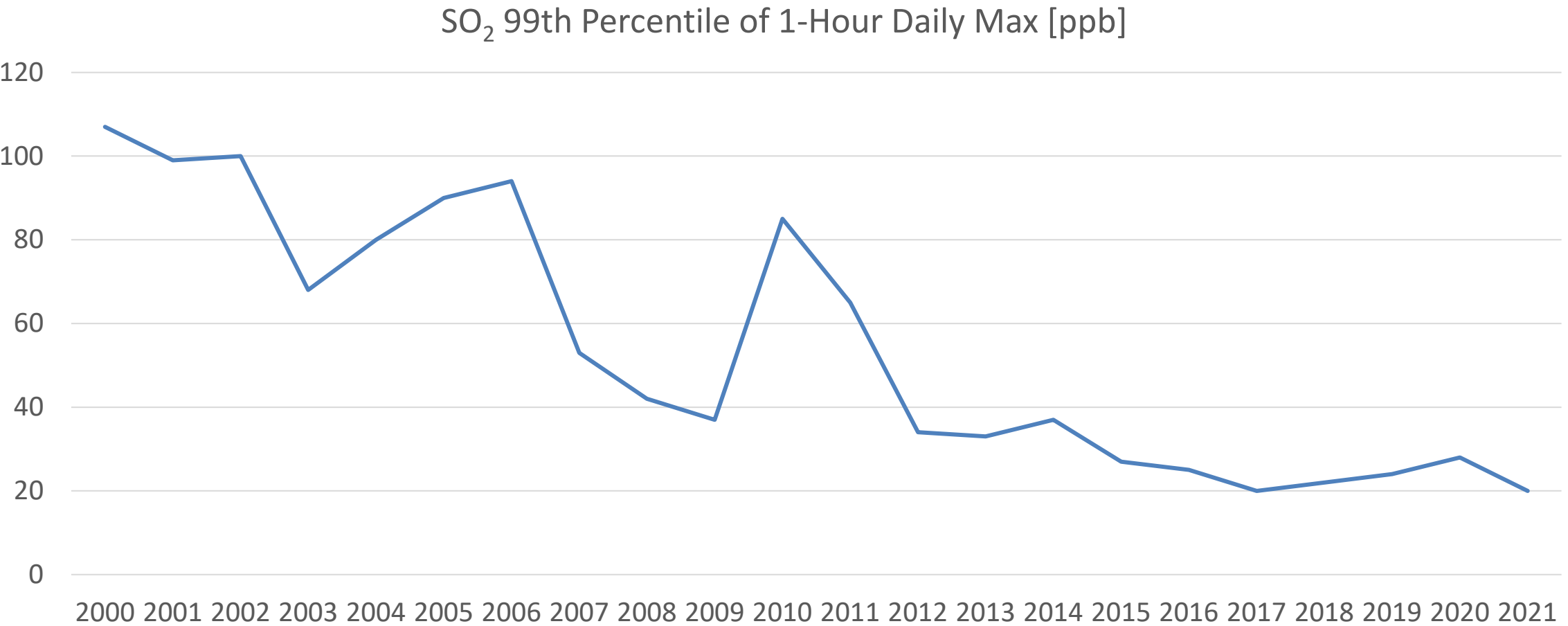
Duval Nitrogen Dioxide Trend

NO₂ Annual Mean [ppb]





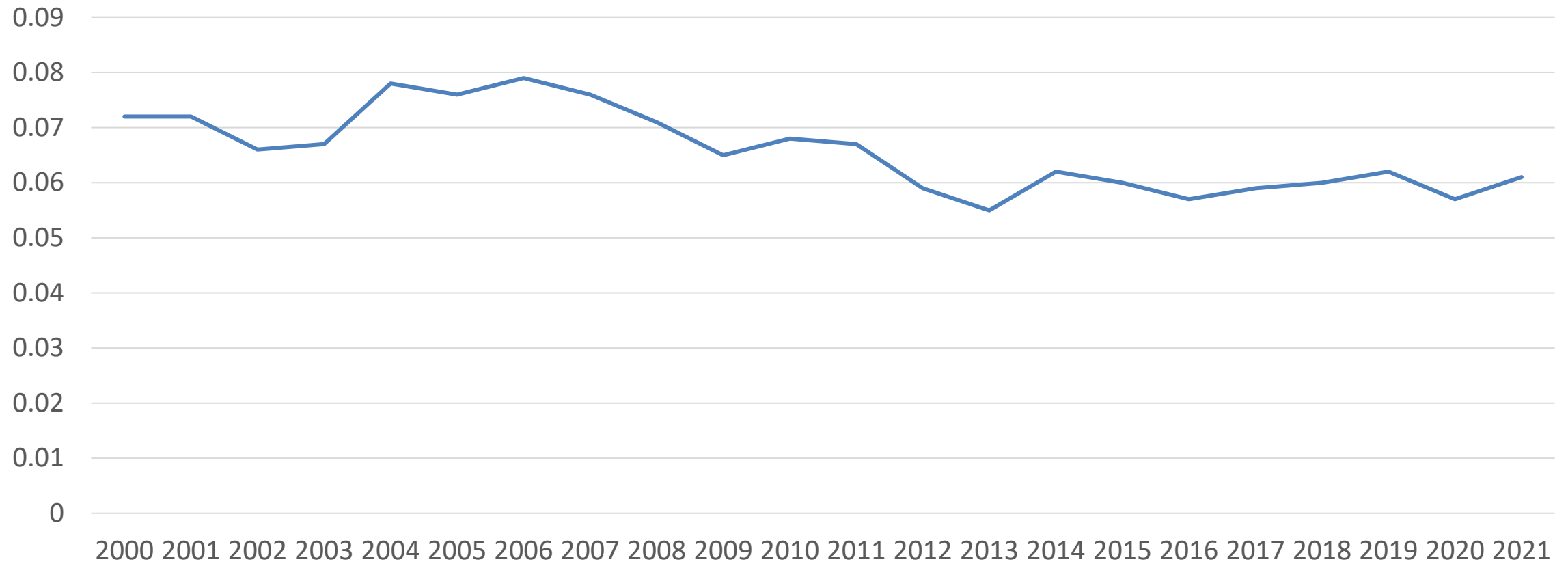
Duval Sulfur Dioxide Trend





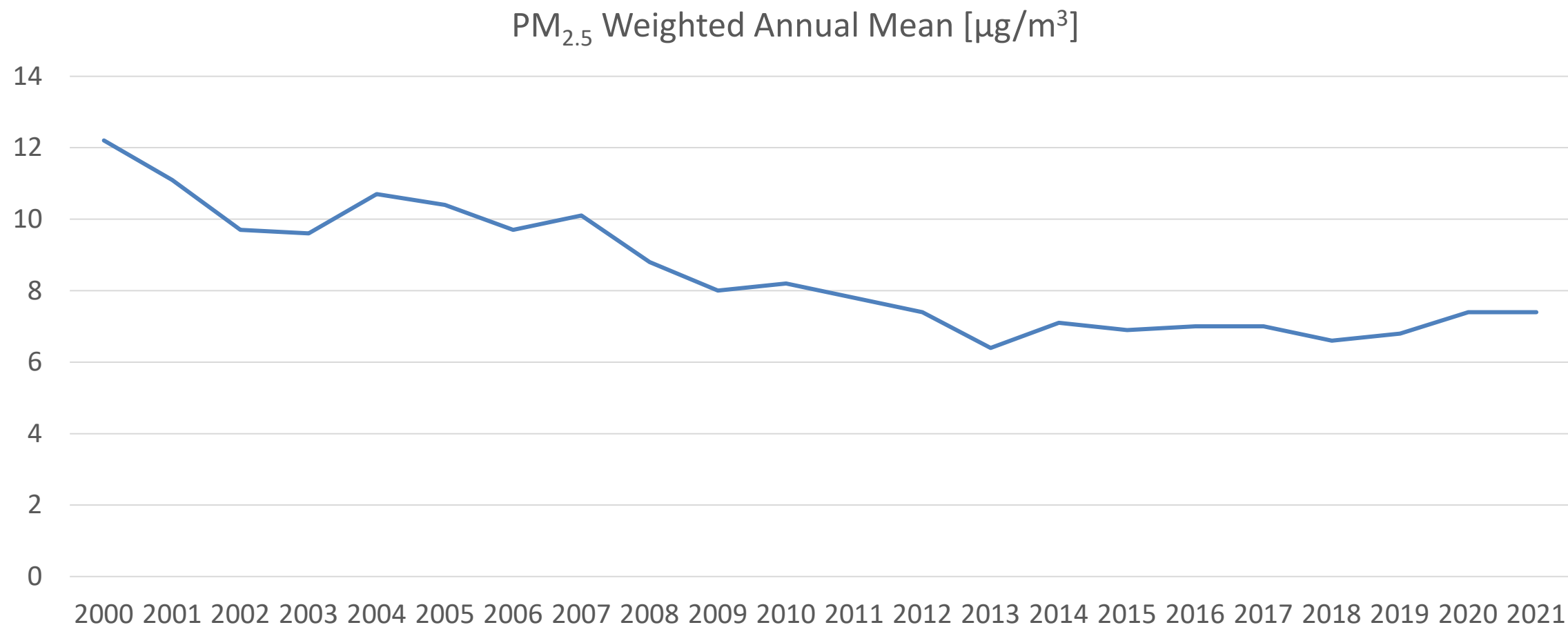
Duval Ozone Trend

O₃ 4th Highest Daily Max [ppm]



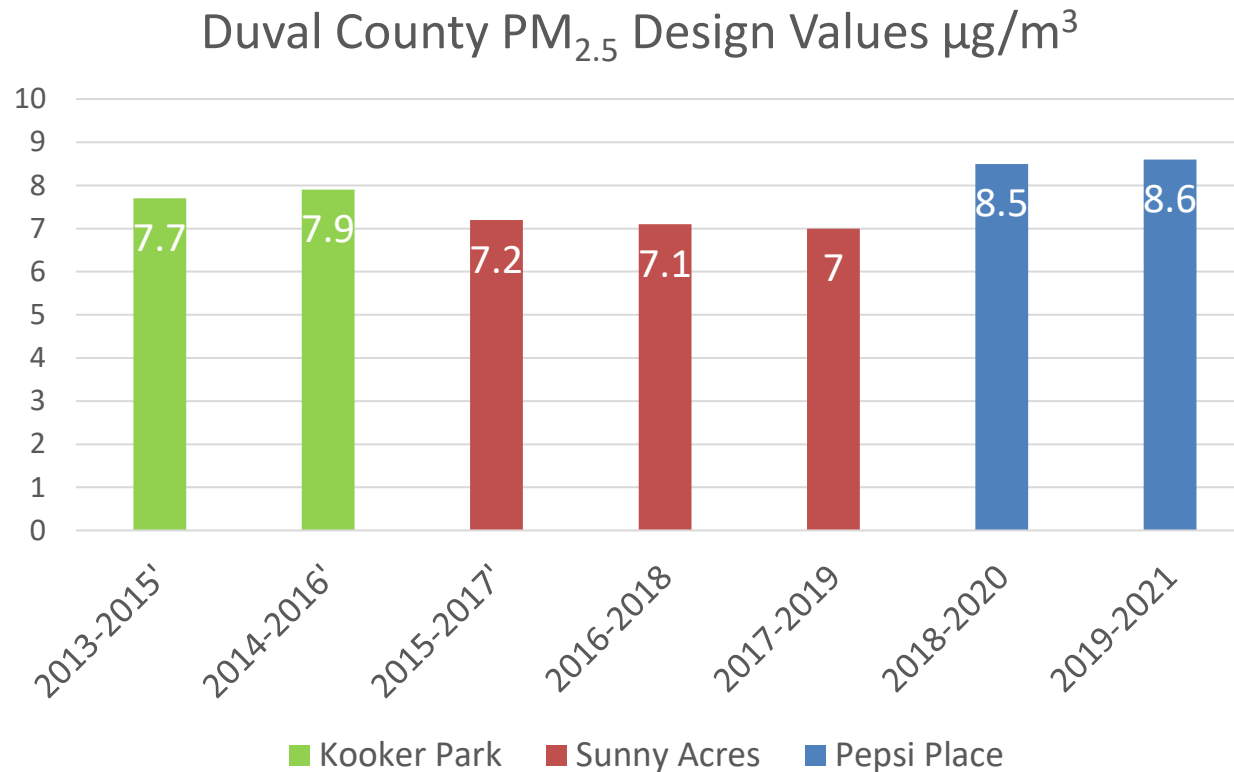


Duval Fine Particulate Matter Trend



EPA Proposing Reconsideration of PM_{2.5} NAAQS

- EPA is proposing to **revise the level of the primary (health-based) annual standard** for fine particles (PM_{2.5}) from its current level of 12 µg/m³ to within the range of 9 – 10 µg/m³.
 - EPA is soliciting comment on revising the level as low as 8.0 µg/m³ and up to 11.0 µg/m³.



American Rescue Plan (ARP) Direct Award

- In August 2022, EPA awarded Duval County \$74,600 as part of a nationwide effort to upgrade PM_{2.5} and other criteria pollutant instruments in environmental justice (EJ) areas. Legislation 2022-868 was passed January 10, 2023 appropriating these funds.
- Pre-approved instrument purchases designed to upgrade our Kooker Park air monitoring site (located in an EJ area), include ultra-fine particulate (PM_{1.0}), and nitrogen dioxide (NO₂).