



GEORGIA
DEPARTMENT OF NATURAL RESOURCES

ENVIRONMENTAL PROTECTION DIVISION

Georgia EPD Air Protection Branch Updates

Karen Hays
Chief, Air Protection Branch

GIEC Annual Meeting
November 16, 2021



The Air Protection Branch

Staffing

- 145 total positions

Permitting

- 347 Title V sources
- 738 synthetic minor sources
- 2342 minor and permit-by-rule sources
- 450 permit applications processed in SFY21 (531 in SFY20)

Inspections/Full Compliance Evaluations

- 417 inspections or off-site FCEs in FFY 2021 (390 in FFY 2020)

Monitoring

- 34 Ambient Air Monitoring Sites in Georgia, monitoring for over 200 pollutants

Radioactive Materials Program

- 436 licensees that use or possess radioactive materials

Mobile Sources

- Over 3 million vehicles tested in 13-county Atlanta metro area
- 764 inspection stations, with 816 test lanes
- Approx. 1,900 certified inspectors



TOPICS

- **2015 Startup/Shutdown/Malfunction (SSM) SIP Call**
- **EPA’s “Revised DRAFT Guidance for Ozone and Fine Particulate Matter Permit Modeling” (9/20/2021)**
- **Regional Haze Round 2**
- **GEOS update**
- **Ethylene oxide**



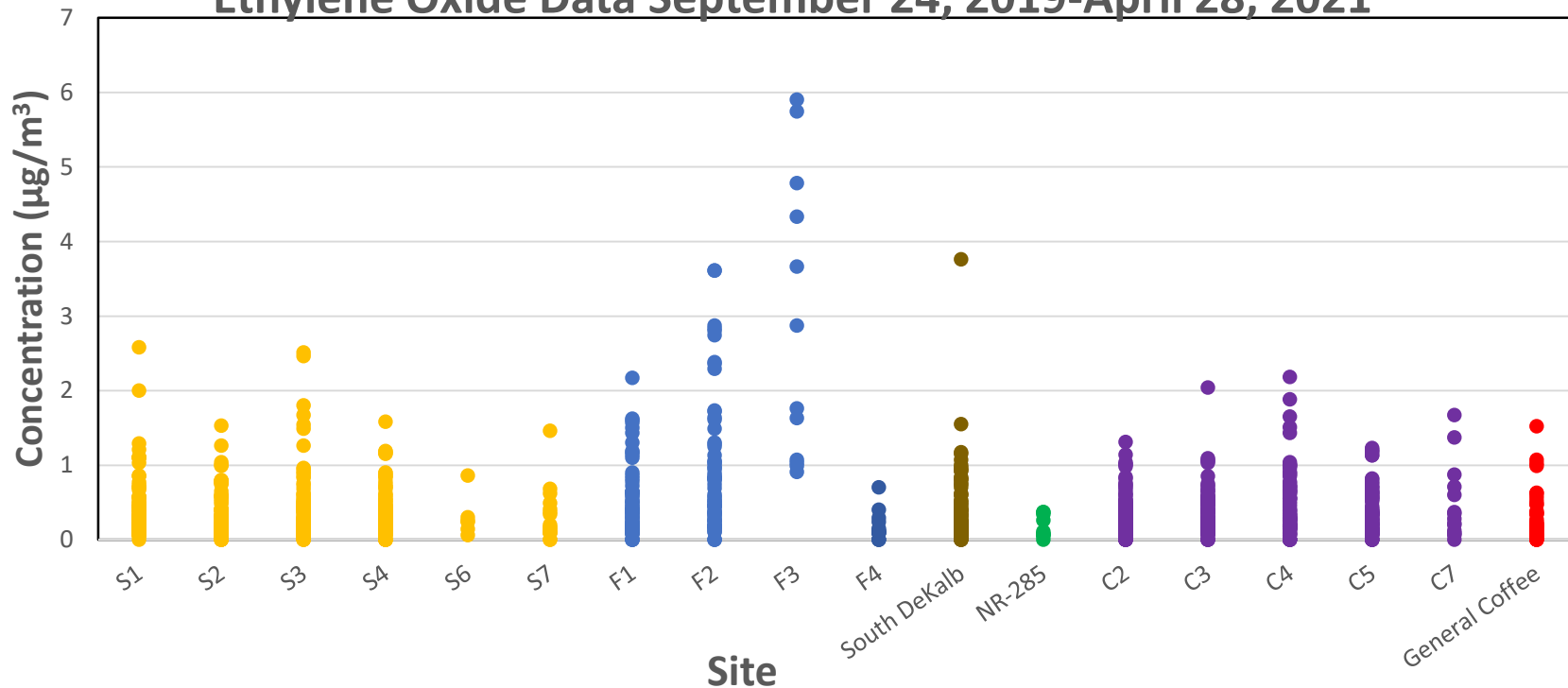
ETHYLENE OXIDE

- **2016 change in risk characterization by EPA triggered an EPD re-evaluation of “best available control technology” for commercial sterilizers using ethylene oxide**
- **Required installation of new controls to capture off-gassing emissions**
- **Developing permits for the continued operation of the new controls**
- **Ethylene Oxide monitoring**



EPD ETHYLENE OXIDE STUDY RESULTS

Ethylene Oxide Data September 24, 2019-April 28, 2021



Yellow = Cobb County, Blue = Fulton County, Purple = City of Covington, Brown = Urban Background, Red = Rural Background



2022 AND BEYOND

- Toxic air pollutant (TAP) modeling
- RBG petition to EPA and OIG report – *“EPA Should Conduct More Oversight of Synthetic Minor-Source Permitting to Assure Permits Adhere to EPA Guidance”*
- Hazardous air pollutant (HAP) emissions inventory
- EPA’s Annual Air Toxics Data Update to replace the triennial National Air Toxics Assessment (NATA)
- Proposed PM_{2.5} NAAQS by Summer 2022?



PM2.5 ANNUAL TRENDS IN GEORGIA

