An Analysis of Ozone Concentrations During the COVID-19 Pandemic

Danielle Jones, Air Monitoring Program Manager
Kileigh Welshofer, Air Monitoring Specialist
Suzanne Hollenbeck, Senior Air Monitoring Specialist
Decrease in Traffic from 2019

I-77 Vehicle Count Comparison

Vehicle Count (1000's)

SAH Period   Ozone Season

2019  2020

-47.3%  -21.2%

*SAH Period March 26 - April 29

I-277/US-74 Vehicle Count Comparison

Vehicle Count (1000's)

SAH Period   Ozone Season

2019  2020

-44.0%  -17.8%

*SAH Period March 26 - April 29
Ozone Concentrations at Garinger
Ozone Concentrations at University Meadows
An Increase in Good Days
Mecklenburg County Ozone Compliance Values

2019: 70 ppb
2020: 67 ppb
Summary of 2020 Ozone Season

- Less traffic
- Drop in average $O_3$ concentrations (beyond predictions)
- Improved $O_3$ compliance value
Questions?