

# Air Monitoring at Chicora Elementary School

Presentation to  
BCD COG Clean Air Coalition Meeting  
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Henry Porter, Director  
Division of Emissions, Evaluation and Support



# Why?

- USA Today Story (The Smokestack Effect)
- DHEC Study
- EPA Monitoring Plan for Schools



# Identified Air Toxics

- Manganese
- Nickel
- Chromium
- Copper
- Formaldehyde

# Type of Sampling

## Monitors

- Metals (PM 10)
- Chromium +6
- Formaldehyde (Carbonels)
- VOCs

10 to 13 Samples over ~ 60 days. (at least several weeks into the school year)



# DHEC Air Toxics Sampling

- Add Additional Site
  - Jenkins Ave.
  - Howard Heights
- Co-located samplers at Chicora Elementary
- Comparable to National Air Toxics Trends Stations (NATTS) - Chesterfield

# Jenkins Ave.

- High Vol. PM10 for metals
- Chromium +6
- Carbonels
- VOC's



## Chicora Elementary (DHEC Sampling)

High Vol. PM 10 for  
metals

## Howard Heights

High Vol. PM 10 for  
metals  
Chromium +6

# Next Steps

- Installation of EPA monitors at Chicora later this month.
- Monitoring results will be available on a new DHEC website for all sampling and on EPA website for EPA sampling.
- Continue to share information about monitors w/students.
- Evaluate results from 60 day sampling to determine which sampling will continue.

# Questions?

Henry Porter  
(803) 898-4138  
porterhj@dhec.sc.gov