

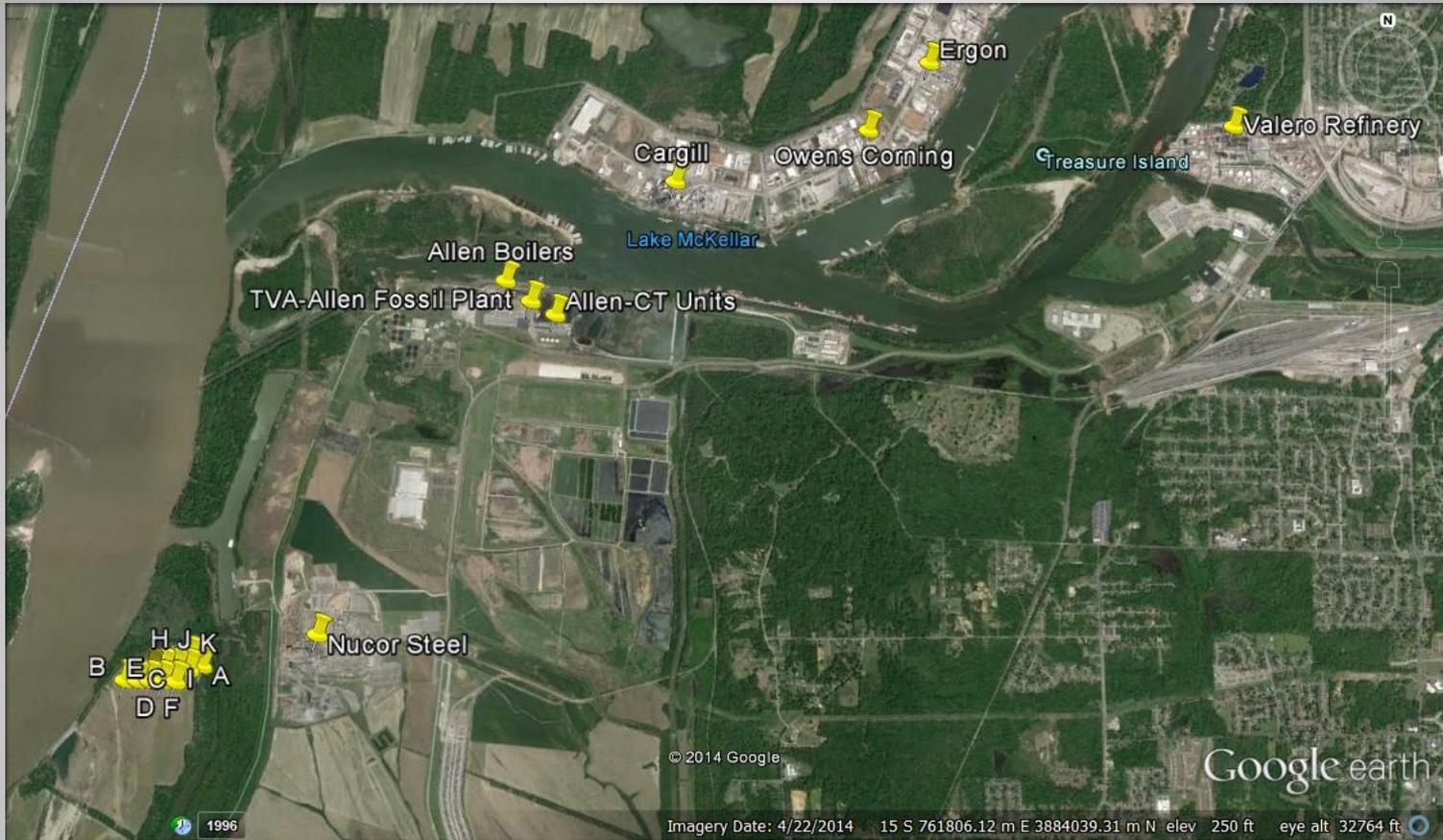
US EPA ARCHIVE DOCUMENT

Resolving Modeled NAAQS Violations

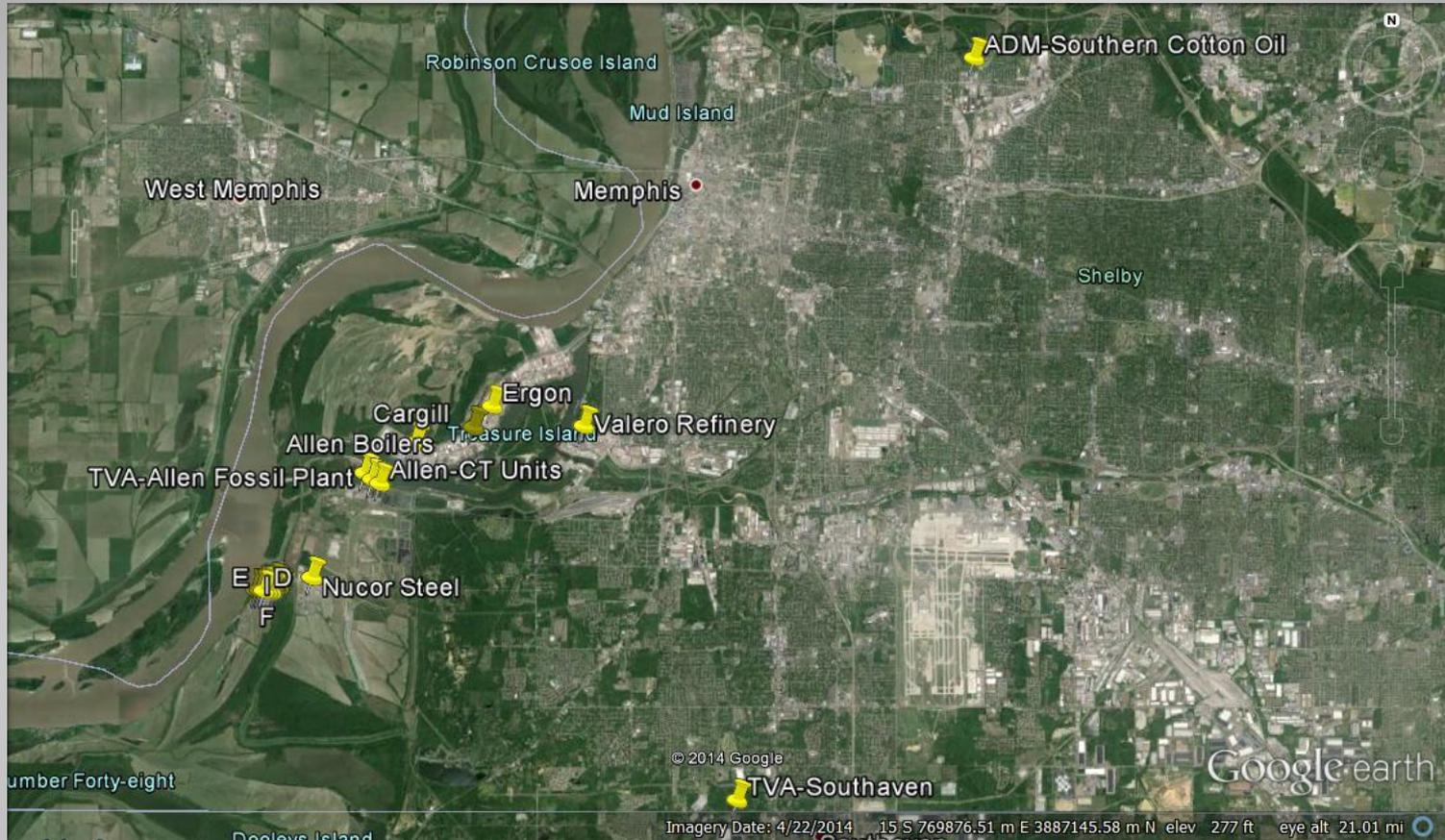
Michael Goldstein
Meteorologist
Shelby County (TN) Health Department
michael.goldstein@shelbycountyttn.gov



Nucor Steel PSD



Nearby Sources



All 20/D Sources

- Extreme NAAQS Violations
- AERMOD “from scratch”
- Determining Culpability
- Resolving Issues

Problems

- Go to Excel

Model Results

- Results show the culpability originates with TVA-Allen Fossil Plant
 - Coal Plant
 - Boiler Stacks
 - CT Units
 - Actual Emissions 6.5-7.5% of Allowable Emissions
 - Consent decree will shut current plant down no later than 12/31/2018
 - Will replace with a clean natural gas 1000 Megawatt plant
 - New model runs show all 11 points fall below the NAAQS

Resolving the Issues