

AIR QUALITY

IN THE FORE RIVER BASIN

EXISTING LEVELS OF AIR POLLUTION:

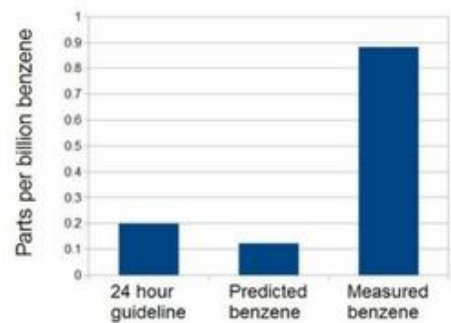


- Levels of pollution were tested for benzene, formaldehyde and other volatile organic compounds (VOCs).
- The data demonstrate violations of Mass. Dept. of Environmental Protection guidelines for 8 toxic air pollutants, including some that can cause cancer.

BENZENE AND SPECTRA'S COMPRESSOR STATION

- Benzene is found in gasoline, oil, and natural gas, as well as exhaust from burning these fuels. It can cause anemia, headaches, leukemia, and more.
- **Benzene was measured at concentrations that were more than 4 times the state's guideline.**
- Spectra's draft air pollution permit states that the station won't cause benzene concentrations to exceed 0.124 part per billion (ppb) in 24 hours. The data, analyzed by GeoLabs, measured benzene around the Fore River at 0.883 ppb in 24 hours, or about 7 times what Spectra and the state claim would happen, if the station were built.

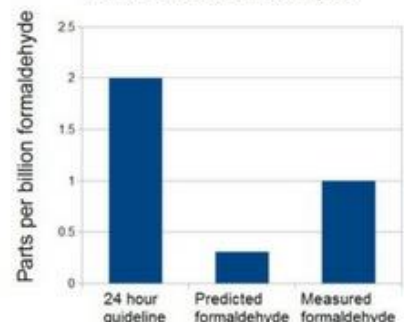
Benzene prediction from Spectra vs measured benzene



FORMALDEHYDE AND SPECTRA'S COMPRESSOR STATION

- Formaldehyde is found in fertilizers, pesticides, building materials, as well as a byproduct of fuel combustion. It can cause asthma-like symptoms, shortness of breath, and more.
- Spectra's draft air pollution permit states that formaldehyde will not exceed 0.31 parts per billion (ppb) in 24 hours. **The data, analyzed by Advanced Chemical Sensors, measured formaldehyde at the proposed site at 1 ppb, or more than 3 times what Spectra and the state claim would happen, if the station were built.**

Formaldehyde prediction from Spectra vs measured formaldehyde



More info: NoCompressor.com