Air Monitoring Station Locations and Attributes (2014) Overview

General Description

The Department of Environmental Conservation (DEC) measures air pollutants at more than 50 sites across the state, using continuous and/or manual instrumentation. These sites are part of the federally-mandated NCore Monitoring Network and the State and Local Air Monitoring Stations Network. Real time direct reading measurements include gaseous criteria pollutants (ozone, sulfur dioxide, oxides of nitrogen, carbon monoxide), $PM_{2.5}$ (fine particulate with diameter less than 2.5 microns), and meteorological data. Filter based $PM_{2.5}$, lead, and acid deposition samples are collected manually and shipped to the laboratory for analysis. DEC operates two National Ambient Toxics Trends Stations (NATTS) sites as part of the EPA supported national network, in addition to nine other sites statewide. These monitoring stations are collectively known as the Volatile Organic Compound (VOC) ambient monitoring network. Annually DEC evaluates the State's monitoring efforts and proposes any modifications in a detailed network plan, which is subsequently submitted to EPA for approval. The dataset reflects the approved monitoring locations and parameters for the current calendar year (2014).

Data Collection Methodology

The coordinates for each site are determined using GPS. The maps are generated using ArcGIS/ArcMap.

Limitations of Data Use

There may be instances where temporary sites are set up for special purpose monitoring. Similarly, monitoring at some sites may be suspended due to circumstances beyond our control. Examples of such include: roof work, reconstruction/rehabilitation of the building, and closure of a facility where the site is located.