Questions ECATT Answers:

- Which facilities release which pollutants?
- Which facilities could be key contributors to air pollution or risk hotspots?
- How well do monitored pollutant readings align with reported emissions from nearby facilities?

ECATT Functionality:

Access to Clean Air Act (CAA) data to evaluate emissions at stationary sources of air pollution and evaluate general air quality.

- Uses data from stationary air monitors to find pollutant and cancer-risk hotspots
- Analyzes CAA data to identify potential facilities contributing to air pollution

How to find ECATT:

https://echo.epa.gov/

Select 'Analyze Trends', then 'Pollution Analysis', then 'Clean Air Tracking Tool (ECATT)'

Contact: ECHO Contact Form

Air Monitoring Stations Tab

Presents data from a network of ambient monitoring stations measuring Hazardous and Criteria Air Pollutants in a map. Incorporates AirToxScreen data so users can screen by hazard level/cancer risk and compare pollutant readings with reported emissions from nearby facilities to Identify discrepancies.

Make Your Selections

1. Search Type (Hazardous or Criteria Air Pollutants)

2. Geographic Location (ZIP, County, State, Region)

3. Community (Environmental Justice Indices, % People of Color, % Low Income)

4. Monitored Risk Level (Ambient Air Quality Monitoring, aggregate emissions or single pollutant)

5. Modeled Risk Screening (Air Toxics Cancer Risk Level and Respiratory Hazard Index)

ECHO Clean Air Tracking Tool (ECATT)

ECATT Integrates these Data Sources:

- Toxics Release Inventory
- Emissions Inventory System
- Air Monitoring Station Data
- Clean Air Markets Division
- Enforcement and Compliance Data
- AirToxScreen Toxics Risk Data
- CAA Regulated Facility Classifications
- Greenhouse Gas Reporting Program

Emission Screener Tab

Make Your Selections

1. Report Type (Facility, Pollutant, or Industry Specific Reports)

2. Emissions (Aggregate emissions or single pollutant)

3. Geographic Location (ZIP, County, State, Region)

4. Facility Characteristics (Name, ID, Industry Code)

5. Enforcement and Compliance History (Formal and Informal Enforcement Actions)

ECATT includes data from multiple emission inventories to enable users to identify top emitters by answering: WHO, WHAT, WHEN, WHERE, and HOW MUCH are facilities emitting?

Air Monitoring Station Report

An interactive report with detailed information about ambient air quality, weather station information, and facility emissions near an air monitoring station.

Air Pollutant Report

Presents 10 years of air emissions data organized by aggregate or individual pollutant and EPA program. Consolidates emissions data from different EPA programs so users can easily understand a facility's complete air emissions profile.