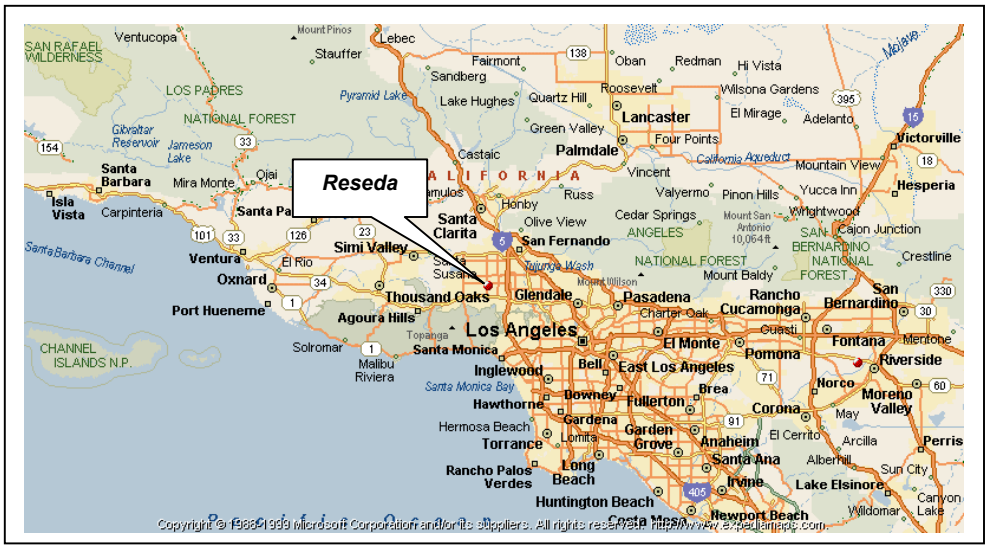
California Environmental Protection Agency
Air Resources Board

California Ambient Dioxin Air Monitoring Program
- Site Summary -

Reseda

This page updated on November 4, 2003

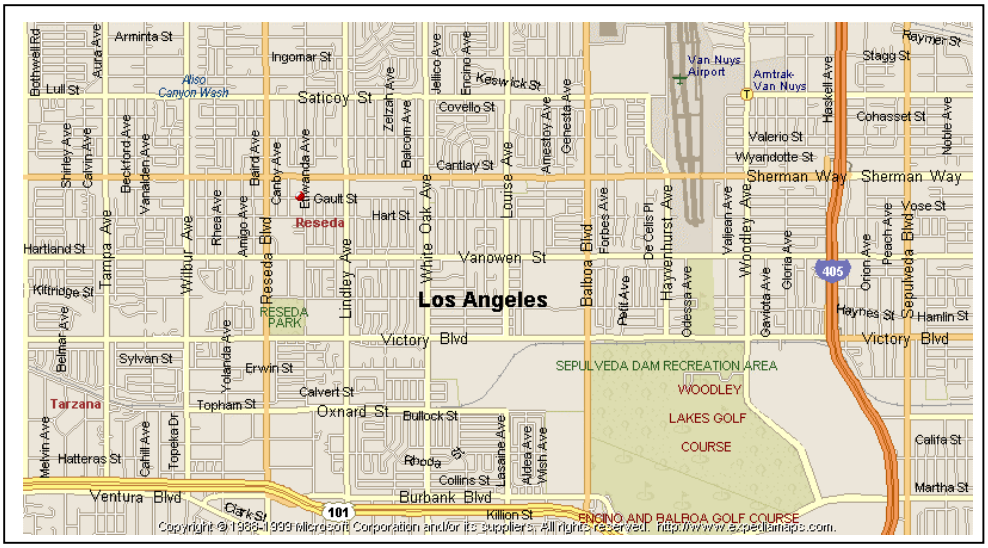
Site Location:
Monitoring for the California Ambient Dioxin Air Monitoring Program (CADAMP) will be conducted at 18330 Gault Street in Los Angeles community of Reseda. This site is part of the South Coast Area Air Quality Management District's (SCAQMD) routine monitoring network for criteria pollutants.



Site Approval:
With the SCAQMD's approval, the CADAMP dioxin sampler was placed at the SCAQMD's routine monitoring site in Reseda.

Monitoring Start Date:
Collection of samples for ambient air quality analysis for CADAMP at Reseda began in December 2001.

Reason for Choosing Reseda:
Reseda is a population center with a mix of light industry, commercial, and residential uses nearby. Reseda was chosen as one of the ten sites for ambient dioxin monitoring because it is located in a part of the South Coast Air Basin with elevated relative cancer risk due to ambient levels of toxic air contaminants. Reseda reported noticeable dioxin levels in a short-term air quality study conducted in the mid-80s. The Reseda location provides good spatial representation within the South Coast Air Basin.



Emission Sources:
Emission sources in the vicinity include multiple freeways, and neighborhood-scale sources such as dry cleaners, auto body repair shops, and service stations.

Monitoring Parameters:
Dioxin-like compounds that will be monitored for CADAMP include dioxins, furans and congener specific PCBs. A total of 31 compounds will be evaluated each month. Meteorological parameters will include wind speed and wind direction.

Monitoring Schedule:
The dioxin sampler will be run for 28 consecutive days each month for the duration of the project. Sampling media consists of quartz fiber filters, polyurethane foam (PUF), and XAD resin. Filters will be collected and replaced every 6^{th} day. PUF/XAD cartridges will be collected on the 28^{th} day. Filters, PUF, and XAD will be composited for a single monthly sample analysis. Meteorological data will be collected continuously.

Anticipated End Date:
The ARB anticipates that CADAMP monitoring at the Reseda site will end in 2004.

Agencies/Resources/Roles:
The ARB is the lead agency for carrying out the California Ambient Dioxin Air Monitoring Program and has overall responsibility for the study. The SCAQMD provided assistance in selecting the Reseda station and will perform all routine sample collection tasks. A laboratory under contract to the ARB will analyze samples collected at the Reseda site. Staff in the ARB Monitoring and Laboratory Division, Quality Management Branch (Operations Planning and Assessment Section) will have the lead role coordinating the CADAMP sampling effort, tracking the project, validating the data, and conducting quality control and quality assurance activities. The ARB's Stationary Source Division (SSD) will evaluate ambient air concentrations to prioritize risk management strategies.

Connection to Other Air Monitoring Programs:
The SCAQMD is collecting samples routinely for air toxic measurements as part of their air toxic network at the Reseda site. Monitoring is currently being performed for CO, NO2, ozone and particulates (PM2.5).

Additional exposure data has been collected at the Reseda site by researchers from the Southern California Particle Center and Supersite (SCPCS). The mission of this research-based group is "…to identify and conduct the highest priority research for airborne particulate matter (PM) to ensure protection of the public health." The SCPCS data from the Reseda station will enhance data collected by the ARB for the CADAMP.