

Community Air Risk Evaluation

Goals and Objectives

Program Goals: The Bay Area AQMD (District) has initiated a Community Air Risk Evaluation (CARE) program to investigate health risk from toxic air contaminant (TAC) emissions in the Bay Area, and to assess opportunities for additional risk reduction measures and implement a risk reduction plan to improve air quality in more highly impacted communities. The CARE program contains elements to measure and model TAC emissions in the Bay Area. The study will use the latest available analytical and display techniques to measure and compute ambient air quality risk.

- Objective 1. District staff will seek input from the BAAQMD Advisory Council and from a CARE Task Force composed of scientists, community representatives, industry representatives and public health professionals.**
- Objective 2. The District will develop an average annual toxic air contaminant (TAC) emission inventory of the Bay Area. TAC emissions density, weighted for toxicity, will be allocated on a 2 km x 2 km grid and mapped using geographic information system (GIS) software.**
- Objective 3. Obtain samples and perform analyses for particulate matter, carbon₁₄ and toxic air contaminants.**
- Objective 4. Analyze results of pollutant sampling and laboratory analyses.**
- Objective 5. Select a pilot project neighborhood.**
- Objective 6. Conduct research and collect data for the pilot project area**
- Objective 7. Perform a cumulative risk evaluation of stationary sources for the pilot project area.**
- Objective 8. Evaluate risk reduction opportunities.**
[Deferred]
- Objective 9. Implement risk reduction plan.**
[Deferred]