



Iron King Mine & Humboldt Smelter Site

U.S. Environmental Protection Agency \$ Region 9 \$ San Francisco, CA \$ February 2009

EPA Conducts Ambient Air Sampling

Introduction

The U.S. Environmental Protection Agency (EPA) Region 9 has started an ambient air sampling program at the Iron King Mine – Humboldt Smelter Superfund Site (Site) in the town of Dewey-Humboldt, Yavapai County, Arizona. The air sampling program is being conducted to evaluate the potential migration of particulates (or airborne contaminants) from the Site. The air sampling program is scheduled to extend into Summer 2009 in order to capture the high-wind events that are typical during the spring.

This information will help EPA determine if there is migration of airborne contaminants from the Site that poses an unacceptable risk to human health. Based on the results of this study, additional sampling may be required to evaluate possible solutions for air quality issues.

Sampling

EPA has established four sampling stations at the following locations: Humboldt Smelter, Iron King Mine, Humboldt Elementary School, and one upwind location. The samplers may be moved or augmented based on field conditions. EPA contractors are currently collecting air samples on a 6-day rotating schedule. In addition, samples will be collected at a higher frequency during high-wind events so that these conditions are observed and can be evaluated.

Data collected during this sampling program will include:

- Meteorological data (wind direction and speed)
- Total suspended particulates data (the total amount of matter in the air)
- Particulate matter less than 10 microns (PM10), (this particulate size or smaller can enter the lungs)
- Inorganics data (metal content)

Results

Results from the air sampling program will be available at the Humboldt Library. These records will be updated as data comes in over the course of the sampling program. This data will also be incorporated into the Remedial Investigation Report.



Air Sampling Equipment

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For More Information

Individuals who would like more information should contact Leah Butler by calling (415) 972-3199 or EPA's toll free message number (800) 231-3075 or by emailing butler.leah@epa.gov.

For site documents, please visit the information repository at:

Humboldt Town Library
2735 S. Corral Street
Dewey-Humboldt, AZ



More information is available on the web at:
<http://www.epa.gov/region09/ironkingmine>



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