



## RESUME

### John B. Richardson - Senior Environmental Consultant

ASARCO Incorporated  
Technical Services Center  
3422 South 700 West  
Salt Lake City, Utah 84119-4191

**EDUCATION** MS - Environmental Health/Industrial Hygiene - 1973 - University of Minnesota  
BA - Political Science/Pre-med - 1970 - University of Utah

**CERTIFICATIONS** Certified in the Comprehensive Practice of Industrial Hygiene by the American Board of Industrial Hygiene in 1976. Certificate No. 1037.

Certified as a Safety Professional by the Board of Certified Safety Professionals in 1978. Serial No. 5832.

**PROFESSIONAL  
MEMBERSHIPS**

American Industrial Hygiene Association  
Air and Waste Management Association

**EXPERIENCE**

**1997-Present** Senior Environmental Consultant, Technical Services Center, ASARCO Incorporated, Salt Lake City, Utah

Consults with plant and upper management, plant environmental staff, corporate attorneys and regulatory affairs personnel on all matters related to environmental regulation.

**1994-1996** Manager, ASARCO's Corporate Environmental Sciences Department, Salt Lake City, Utah

Managed a staff of six environmental professionals, three instrumentation technicians and two computer programmers. Under his guidance the department initiated regular environmental audits of Asarco mining, milling, smelting, refining and subsidiary operations. Personally led several of these audits. Also organized and conducted auditor training sessions.

**1987-1993** Senior Corporate Environmental Scientist, ASARCO Incorporated, Salt Lake City, Utah

**I. Air**

Participated in air permit application preparation and negotiations in Arizona, Missouri, Illinois and Texas, including the \$100 million ConTop project for the ASARCO-El Paso plant.

Was instrumental in completing the Part B permit air addendum for a commercial hazardous waste recycling facility in Texas.

Assisted in the development and implementation of PM10 and lead State Implementation Plans (SIPs) in Texas, Arizona, Missouri, Montana and Nebraska.

Crafted air study and compliance sampling protocols for ASARCO operations located in Texas, Arizona, Missouri, Colorado, Arkansas, Washington, Illinois and Matamoros, Mexico.

Prepared and reviewed air emission inventories for Texas and Missouri operations of ASARCO.

## **II. Water**

Assisted in the preparation of National Pollutant Discharge Elimination System (NPDES) and also Texas Water Commission (TWC) discharge permit applications or renewals for ASARCO plants in Texas, Missouri and Arkansas.

## **III. Hazardous Waste**

Prepared Resource Conservation and Recovery Act (RCRA) Part A and Part B permit applications for ASARCO plants in Texas and Oklahoma.

Assisted in negotiations with the Texas Water Commission and the Texas Air Control Board which resulted in the issuance of a Part B permit for a commercial hazardous waste recycling facility in Corpus Christi, Texas.

Participated in a study team charged with evaluating the feasibility of constructing a greenfield secondary lead smelter in southeast U. S.

Advised ASARCO operations on changing aspects of RCRA regulations, particularly on the loss of the Bevill exemption for the nonferrous metals industry sector.

## **IV. Environmental Audits/Due Diligence Investigations**

Participated as team member and team leader in pilot environmental audits at ASARCO and ASARCO subsidiary facilities, evaluating compliance with Clean Air Act, Clean Water Act, RCRA, TSCA, SARA and other applicable regulations.

Acted as environmental coordinator in due diligence investigations of a world class integrated copper complex in eastern Europe.

## **V. Superfund (CERCLA/SARA)**

Represented ASARCO at negotiating sessions with other potentially responsible parties (PRPs), the EPA and affected state agencies at several Superfund meetings from 1984 to present.

Assisted several ASARCO plants in Texas, Colorado and Missouri with the preparation of SARA 312 and 313 reports, as required under the Community Right-to-Know provisions.

## **VI. OSHA/MSHA**

Consulted with ASARCO plants on compliance with applicable occupational health regulations.

- Conducted several workplace studies to evaluate compliance status at ASARCO operations.
- 1984-1987**      **Manager, Technical Services, American Environmental Consultants, Salt Lake City, Utah (Part of ASARCO's Environmental Department)**
- Co-founded an in-house consulting organization offering professional services in air pollution control, solid waste management, industrial hygiene, laboratory analysis and data processing.
- 1981-1984**      **Senior Environmental Scientist, ASARCO Incorporated, Salt Lake City, Utah**
- Supervised an air pollution source sampling group which conducted numerous compliance tests at corporate sites.
- Negotiated air sampling protocols with government agencies which frequently resulted in significant savings to the company.
- Represented the firm at trade association and government agency meetings where compliance strategies were formulated.
- Provided frequent commentary to EPA on proposed regulations.
- Designed numerous in-house sampling protocols for specialized environmental assessments.
- Provided consultative services to plant managers and corporate officers.
- Streamlined data reporting procedures.
- 1976-1981**      **Environmental Scientist, ASARCO Incorporated, El Paso, Texas**
- Established a comprehensive industrial hygiene program at ASARCO's El Paso smelter complex.
- Conducted air pollution compliance tests.
- Developed solid/hazardous waste and PCB management programs.
- 1973-1976**      **Environmental Specialist, ASARCO Incorporated, Salt Lake City, Utah**
- Performed comprehensive industrial hygiene and environmental surveys at numerous ASARCO facilities.
- Advised plant and corporate management on compliance with current and pending government regulations.
- 1971-1972**      **Laboratory Technician/Chemist, ASARCO Incorporated, Salt Lake City, Utah**
- Performed sample preparation and laboratory analyses of industrial hygiene, air, water, waste and soil samples.
- Participated in industrial hygiene and stack sampling surveys.