

681 S. Highline Lane  
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## John N. Cochran

### Highlights of Qualifications

- Successful in managing environmental projects within budget and deadline constraints
- Strong interpersonal and communication skills; ability to work as part of an environmental management team
- Considerable experience in regulatory compliance, data analysis, and technical writing
- Qualified Environmental Professional, IPEP
- Registered Sanitarian, Class II Water Distribution Operator - State of Arizona

**Education:** B.S. Hydrology, University of Arizona, 1981  
Amphitheater High School, Diploma, 1972

### Professional Experience

#### 2015 to Present – Peabody Investments Corporation, Flagstaff and Camp Verde, AZ

**Consultant** – Provide support to Arizona, Colorado, New Mexico and Montana mines with permitting and compliance support for water-related regulatory programs (CWA, SDWA, and SMCRA).

#### 2007 to 2015 - Peabody Investments Corporation, Flagstaff, AZ

**Manager Environmental Hydrology** - Supervise several hydrologists at Arizona, Colorado and Wyoming mines charged with permitting and compliance with water-related regulatory programs (CWA, SDWA, and SMCRA). Provide support to New Mexico Mines regarding hydrologic compliance issues (CWA and SMCRA). Ensure compliance with federal, state, and tribal permits at all Western mining operations within budgetary constraints. Prepare budgets for monitoring programs and special projects. Develop strategies and programs for maintaining industry sustainability and minimizing regulatory risk. Provide company representation for inspections and permit negotiations with regulatory authorities.

#### 2005 to 2007 - Peabody Investments Corporation, Flagstaff, AZ

**Environmental Specialist** – Coordinated permitting under State program for closed mines in Montana. Ensured compliance with federal, state, and tribal permits for operating mines in Arizona, Colorado, and New Mexico. Provided company representation for regulatory inspections and permit negotiations for Western mines (e.g., CWA, SDWA, and SMCRA).

#### 2004 to 2005 – Aspen Environmental and Wastewater Management

**Consultant** – Provided consulting services to several Western coal mines for permitting and reporting under SDWA, CWA, and SMCRA regulations.

1998 to 2004 - Peabody Western Coal Co, Black Mesa, AZ

**Supervisor Environmental Compliance** - Supervised several permanent and temporary employees involved with operation and maintenance of air, water, solid waste and hazardous waste compliance programs. Ensured compliance with federal, state, and tribal permits within budgetary constraints. Prepared budgets for monitoring programs and special projects. Provided company representation for regulatory inspections and permit negotiations (e.g., CWA, SDWA, CAA, SMCRA, and RCRA).

1990 to 1998 - Peabody Western Coal Co, Flagstaff / Black Mesa, AZ

**Senior Hydrologist** - Ensured compliance with federal, state, and tribal permits, and hydrologic monitoring commitments at several western coal mines. Performed final review of hydrologic reports for regulatory authorities. Prepared environmental information for permit applications and permit renewals including impact assessments and monitoring plans. Managed environmental investigations within budgetary constraints that involved both field and office-related activities. Prepared budgets for monitoring programs and special projects. Designed and developed hydrologic databases and reporting utilities. Provided company representation for regulatory inspections and permit negotiations (e.g., CWA, SDWA, and SMCRA).

1987 to 1990 - Peabody Western Coal Co, Flagstaff, AZ

**Hydrologist I** - Performed final review of hydrologic information reported to regulatory authorities. Coordinated compliance with NPDES permits and hydrologic monitoring program requirements. Prepared hydrologic information for mining applications and routine reports. Designed and implemented hydrologic monitoring programs within budgets.

1984 to 1987 - Peabody Western Coal Co, Flagstaff, AZ

**Hydrologist II** - Designed and implemented an eight-year study of erosion on reclaimed lands. Coordinated data preparation, analysis, and reporting for routine submittal to regulatory authorities. Installed surface and ground water monitors within budgetary constraints, and developed associated monitoring protocol and documentation.

1981 to 1984 - Peabody Western Coal Co, Black Mesa, AZ

**Environmental Technician** - Conducted routine monitoring activities at surface and groundwater monitoring sites, including aquifer testing, water quality sampling, and discharge measurements. Maintained meteorological and air quality monitors, including data collection and performance audits. Prepared and analyzed data for routine reporting to regulatory authorities.

**Skills**

**FIELD STUDIES** - Aquifer testing, water quality sampling, discharge measurements, monitoring well installations, stream gauging installations, data loggers, soil infiltration measurements, surveying, percolation testing

DATA ANALYSIS - Extensive technical writing, geochemical analyses and interpretation, well and aquifer characteristics, analytical groundwater flow, surface water discharge and sediment modeling, statistical analysis of water quality and stream flows, storm distributions, infiltration and evapotranspiration

COMPUTERS - Considerable experience using a variety of operating systems and software, including Windows XP Office products (e.g., PowerPoint, Excel, Word, Access). Extensive use of hydrologic software, including custom hydrologic data analysis software

### **Coursework**

Small Water System Operation and Maintenance, UCS-Sacramento, 4/98

40-hour Hazardous Waste Operations Training, University of Phoenix, 12/96

Surface Water Records Computations (USGS) - 5/95

MINTEQ-Modeling of Water/Rock Interactions (E3) - 8/94

Characterization and Modeling of the Vadose Zone, University of Arizona - 3/91

EASI/MULTSED Training Course (WET) - 5/90

Ground Water Geochemical Modeling (NWWA) - 11/89

SEDIMOT Training Course, Oklahoma State University, 1985

### **Honors and Affiliations**

- Arizona Hydrological Society - Chapter President, 1994
- Speaker - "Interactive Forum on Bond Release," sponsored by the U.S. OSMRE, Denver, Colorado, 1996
- Co-recipient - 1996 Excellence in Design Award, International Erosion Control Association
- Co-author - Peterson, M.R., Zevenbergen, L.W., and J. Cochran, 1996. "Application of a Watershed Computer Model to Assess Reclaimed Landform Stability in Support of Reclamation Liability Release"

### **References Available Upon Request**