

**STATE OF NEW MEXICO  
BEFORE THE WATER QUALITY CONTROL COMMISSION**

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In the Matter of:	)	
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PROPOSED AMENDMENT	)	No. WQCC 12-01(R)
TO 20.6.2 NMAC (Copper Rule)	)	
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**EXHIBIT LANDE – 1**

**RESUME:**

**Lynn Lande**

**3980 Pitchfork Ranch Road**

**Silver City, New Mexico 88061**

**Work Telephone 575-912-5237; Work Cell 575-538-1724**

**Job History:**

**Chief Environmental Engineer at Freeport-McMoRan**

- Participate in NM Copper Rule development by organizing and directing the Freeport technical staff. As well as participating in monthly and weekly technical meetings with the NMED, environmental groups, and academics.
- Cobre EA – Project Manager leading a diverse team of employees and consultants in the development of the Mine Plan of Operation and the Environmental Assessment.
- Mining Act and Discharge Permits – As the Closure Closeout permit regulatory lead my work includes development of financial assurance, reclamation and water treatment plans.
- Site-Wide Abatement Stage 2 DP 1340 and 1341 Project Lead for Chino and Tyrone.
- Chino Reclamation - Coordinate with Reclamation Service construction crews on projects with the NMED and MMD.
- Mentor new employees in the Chino Environmental Services department on numerous mine and reclamation projects such as pit dewatering, screening plant implementation, and mine projects.
- Manage the NPDES permit and SWPPP updates for the Chino Tailing area.
- New Mine Facility Permitting - worked with the NMED and MMD as well as Chino management, engineers, and geologist to prepare material and work plans for new stockpiles at Chino.
- As a geologist I act as a field expert and resource across the organization.

**Chino Sr. Environmental Engineer**

- Drafted several Operational DP renewal applications.
- Managed the drafting of several Chino Environmental reports such as Mine Hydrology, Stockpile Mass Loading, Feasibility Study, and Stockpile Slope Stability.
- Managed and participated in the drafting and reviewing of the Chino and Tyrone Closure/Closeout Plan renewal application package.
- Submit to NMED Quarterly Reports for three discharge permits and two MMD annual reports as related to the MAP.
- Interact with mine personal to educate staff concerning Chino's environmental commitments to NMED and MMD.

**Chino Sr. Geologist**

- Generated the monthly and quarterly geologic forecast models used in the development of monthly and quarterly mine plans.
- Supervised the Chino Ore Control Department with a staff of two Ore Control Geologists, a Mining Engineer, and four Mine Senior Sampling Technicians.
- Coordinated with Operations, Engineering and the Mill employees on a daily basis providing information on the ore and waste tons, grades, and geologic ore type characterization used to process ore.

- Spear-headed the grass root installation and training of the MineSight and acQuire upgrade, which is a comprehensive mine model and resource evaluation software package. This project restructured the ore control process and improved data quality.
- Attended numerous safety and supervisor developmental programs.
- Managed brown field exploratory drill and core sampling program. Included supervising geologists, drillers, and geology technicians.

#### Freeport-McMoRan Morenci Geologist

- Logged core, digitized cross-sections and plan maps.
- Helped develop the geologic, alteration/mineralization models using MineSight software.
- Acted as the Geology Environmental Coordinator. During my tenure the Geology department audit record was 100 % in compliance at drill sites, equipment lay down yards, chemical storage sites, and office areas.
- As Environmental Coordinator I trained employees and contractors on proper waste and spill handling procedures.
- Supervised up to seven Geologic Technicians in addition to core drilling crews.

#### Barrick Goldstrike Geologist -

- Developed and supervised multimillion dollar core and RC drill programs to expand reserves.
- Logged geology and geotechnical aspects of thousands of feet of core and drill cuttings.
- High degree of geologic and geotechnical interpretation and mapping skills.

#### Employment History:

##### YEAR

##### TITLE and COMPANY

2011-Present	Chief Environmental Engineer Freeport-McMoRan Copper & Gold
2006-2011	Senior Environmental Engineer Freeport-McMoRan Copper & Gold/ Phelps Dodge Chino
2005-2006	Senior Geologist Phelps Dodge Chino
2004-2005	Geologist II Phelps Dodge Morenci
2003-2004	Algebra Teacher Morenci Junior High School
2002-2003	Substitute Teacher Morenci Junior High School
2001-2002	Volunteer School Tutor Morenci Junior High School
1999-2000	Independent Geologic Consultant Aqua Terra Consultants
1997-1999	Home Maker
1995-1997	Independent Geologic Consultant Self Employed
1993-1995	Mine and Senior Geologist Barrick Goldstrike/Kilborn Engineering
1991-1993	Independent Geologic Consultant Barrick Goldstrike
1989-1991	Staff Geologist Cominco American Resources Inc.
1988-1989	Consulting Geologist Westmont Mining
1987-1988	Metallurgical Tech and Geologist Newmont Mining Company

#### Academic Background:

MS Program: Idaho State University, Pocatello Idaho

BA Geology Degree and Economic Minor Kean University of New Jersey: Junior Student Council Representative, Finance Board Member and Geology Club President