

**Ally M. Freitas, E.I.**  
**Air Quality Engineer**

**Professional Experience**

Ms. Freitas is an environmental engineer with four years of academic and professional experience in engineering. Ms. Freitas' areas of expertise include air quality permitting and compliance, air dispersion modeling, water quality, and fate and transport of chemicals in the environment. Ms. Freitas' responsibilities have included air permitting and compliance work, air dispersion modeling, technical report writing, analytical data review, and conducting Phase I Environmental Site Assessments (ESA).

**Education**

M.S., Civil and Environmental Engineering, University of Nevada, Reno, 2015.

B.S., Environmental Engineering, University of Nevada, Reno, 2013.

**Certifications**

Engineer-in-Training (E.I.) #0T7083

OSHA, 29 CFR 1910 40-Hour Certification

EPA Method 9 Visible Emissions Certified

OSHA Hazwoper 40 Hour Certification

MSHA Part 46, New Miner Training

**Professional Affiliations**

Nevada Mining Association

Air & Waste Management Association (A&WMA) Eastern Sierra Chapter; Member since 2014

American Society of Civil Engineers (ASCE); Member since 2012

**Selected Project Experience**

**Air Quality**

- **Mining Projects**
  - **Jerritt Canyon Mine, Jerritt Canyon Gold, LLC., Elko, Nevada**
  - **Relief Canyon Mine, Pershing Gold Corporation, Lovelock, Nevada**
  - **Florida Canyon Mine, Rye Patch Mining US Inc., Imlay, Nevada**
  - **Norman D. Sweeney Construction, Various Aggregate Pits, Winnemucca, NV**
  - **Joy Engineering, Several Aggregate Pits, Various Nevada Locations**

Staff Engineer responsible for preparing Nevada Division of Environmental Protection Title V/Class I and Class II new and revision Air Quality Operating Permit applications, Mercury Operating Permit to Construct, and various permitting action requests for the facility. Activities include performing air dispersion modeling, developing emissions inventory, providing

recommendations on equipment selection and placement, assisting mine in determining required facility boundary, and serving as regulatory liaison.

- **Industrial and Manufacturing Projects**
  - Aqua Metals, Lead-Acid Battery Recycling Plant , Storey County, NV
  - Clean Dried Processing, Pet Food Ingredient Drying Facility, Silver Springs, NV
  - Thiessen Team USA, Elko Shotcrete Facility, Elko, NV
  - Min-Ad, Dolomitic Limestone Feed Supplement Facility, Winnemucca, NV
  - Cyanco, Sodium Cyanide Production Plant, Winnemucca, Nevada

Services provided to above facilities include air quality permit applications and modifications, record keeping and reporting support, compliance support and air quality dispersion modeling.

### *Environmental Site Assessment and Remediation*

- **Diamond X Ranch, Minden, NV** – Staff Engineer responsible for sample receipt, storage, and laboratory preparation for upwards of 800 soil samples. Participated in sample collection conducted in order to characterize the extent of metal contaminated soils, sediment, surface water, and groundwater at a former cattle grazing ranch. Metal contamination resulted from flood irrigating the ranch with surface water that had been impacted by Acid Mine Drainage.
- **Former Sagehill Gun Club, Reno, NV** – Staff Engineer responsible for the perimeter air monitoring and sampling conducted at the former gun club site during remediation activities to mitigate lead and polycyclic aromatic hydrocarbons soils contamination at a former shotgun shooting club to prepare the site for residential development.