



**Eric Miller**  
Staff Engineer I

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## Education

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BS, Geological Engineering, Colorado School of Mines, 2018

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## Experience Summary

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Mr. Miller is a Staff Engineer I with geotechnical and civil design experience. His expertise lies in earthworks design, civil drafting, hydrology, and soil and rock mechanics. He has experience using Groundwater Vista (MODFlow, MT3D), GIS, MATLAB, MathCAD, and AutoCAD Civil 3D.

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## Project Experience

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### ***Mining/Site Plans***

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#### **AMERICAN GYPSUM MINE | GYPSUM, COLORADO**

Assisted in the design and drafting of pit layouts, haul road configurations, and reclamation plans. (Tierra Group, 2018 to Present)

#### **STIBNITE GOLD PROJECT | STIBNITE, IDAHO**

Composed a technical memo putting forth 60-mil high-density polyethylene (HDPE) AGRU MicroDrain liner as an equivalent substitute to the regulatory prescribed component in performance and superior in cost-efficiency. Performed foundation bearing capacity and settlement analysis for plant site facilities. Conducted extensive drafting of geotechnical investigation and site plan drawings. (Tierra Group 2018)

#### **NORTH BLOCK TAILINGS DISPOSAL FACILITY (NBTDF) EXPANSION, BARRICK GOLDSTRIKE | CARLIN, NEVADA**

Conducted civil design support for the Roaster Corridor Realignment. (Tierra Group, 2018 to Present)

#### **TAILINGS STORAGE FACILITY 3 (TSF3), BARRICK GOLDSTRIKE | CARLIN, NEVADA**

Assisted in civil and earthworks design support for TSF3 Stage 3 and Stage 4. (Tierra Group 2018)

#### **WASTE DISPOSAL FACILITY, FEKOLA MINE | MALI, AFRICA**

Provided location and footprint size options for a potential waste disposal facility contingent on a mine expansion. Performed preliminary facility design aimed at optimizing storage capacity and cost. (Tierra Group 2018 to Present)

#### **TSF REDESIGN, ANACONDA MINE | MALI, AFRICA**

Aided in the redesign of a TSF configuration for a previously passed over mining project. Developed a cost estimate and calculated earthworks volumes and liner system quantities for the new configuration. Additional tasks included stage storage design, drafting of project drawings, data management, and research. (Tierra Group 2018 to Present)

#### **TSF ENGINEERING SUPPORT, LA NEGRA MINE | MEXICO**

Primary drafter for geotechnical investigation, instrumentation, and TSF conceptual configuration drawings. Conducted general project data management. (Tierra Group, 2018 to Present)

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## ***Geotechnical***

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#### **EL LIMON MINE | NICARAGUA**

Assisted in preparing quarterly monitoring letters for three facilities. (Tierra Group, 2018 to Present)

#### **LA LIBERTAD TSF | NICARAGUA**

Performed data management and review of monitoring instrumentation for the La Libertad Mine. (Tierra Group, 2018 to Present)

**LOST CREEK GEOTECHNICAL INVESTIGATION | ROGGEN, COLORADO**

Assisted in field investigation support, drafting, and laboratory results analysis and data management. (Tierra Group, 2019 to Present)

***Hydrology / Hydraulics***

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**TSF INUNDATION UPDATE, HOMESTAKE MCLAUGHLIN MINE | CALIFORNIA**

Assisted with TSF dam breach inundation modeling and analysis. Provided design support via AutoCAD Civil 3D. (Tierra Group 2019)

**FIRE CREEK WASTE ROCK STORAGE FACILITY, FIRE CREEK MINE | LANDER COUNTY, NEVADA**

Assisted with design drawings and report for a Water Treatment Pond modification. Performed hydrological modeling of watershed using HEC-HMS. (Tierra Group, 2018)

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**Employment History**

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<b>CURRENT EMPLOYER</b>	<b>TIERRA GROUP INTERNATIONAL, LTD.</b>
<b>POSITION</b>	Staff Engineer I
<b>YEARS</b>	2018 to Present
<b>CURRENT EMPLOYER</b>	<b>THE ELECTRUM GROUP LLC</b>
<b>POSITION</b>	Geology Intern
<b>YEARS</b>	2018
<b>EMPLOYER</b>	<b>NAZARBAYEV UNIVERSITY PARTNERSHIP</b>
<b>POSITION</b>	Research Support
<b>YEARS</b>	2017 to 2018