Sean Gallagher

SENIOR METALLURGIST

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SUMMARY

Senior metallurgist with 9 years in gold processing, covering grinding, carbon-in-leach and heap leach circuits. Owns metallurgical accounting and the monthly mass balance for a 12,000 tonne-per-day mill, and leads process improvement that has added 2.4 points of recovery. Clear verbal and written communication skills with operations, geology and finance.

SKILLS

- Metallurgical Accounting
- Process Improvement
- Mineral Processing
- Mass Balance
- CIL
- Heap Leach
- Flotation
- Metallurgical Testwork
- Excel
- Communication Skills

EXPERIENCE

Senior Metallurgist 04/2022 - Present

Ruby Mountain Gold Operations Elko, NV

Process plant of an open-pit gold mine with a mill and 2 heap leach pads.

- Run metallurgical accounting for a **12,000** tonne-per-day mill and 2 leach pads, closing the monthly balance within 1%.
- Lead process improvement on grinding and CIL circuits, raising gold recovery from 86.1% to 88.5%.
- Design metallurgical testwork for 3 new ore types and forecast recovery for the mine plan.
- Coach 4 process engineers and metallurgists on mass balance, sampling and reporting.
- Manage the sampling and assay program with the lab, cutting mine-to-mill reconciliation gaps by half.

Metallurgist 06/2017 - 03/2022

Great Basin Mineral Processing Winnemucca, NV

Gold and silver processing plant with flotation and leach circuits.

- Monitored flotation and leach performance daily and reported recovery and reagent use to the plant manager.
- Reduced cyanide consumption 15% by changing leach density and dosing controls.
- Commissioned a new carbon regeneration kiln, reaching design throughput in 6 weeks.
- Trained 8 operators on leach circuit sampling, carbon handling and cyanide safety rules.

EDUCATION

Bachelor of Science 05/2017

University of Nevada, Reno Reno, NV

Metallurgical Engineering

CERTIFICATES

Professional Engineer (PE), Metallurgical and Materials

Nevada State Board of Professional Engineers and Land Surveyors

10/2022