

Casey Schmitt, BSc Eng



Casey Schmitt started with Paterson & Cooke at the Denver office in December 2009. He has been involved in the mining industry since 2007, initially as a manufacturing engineer and maintenance supervisor at MI Swaco's bentonite mine and milling operations in Greybull, Wyoming.

As a graduated engineer with Paterson & Cooke, Casey has assisted with several tailings and paste test campaigns, feasibility designs and system reviews. His primary interests are rheological testing, and mechanical design.

Qualifications

2007, BSc Eng. (Mech)
High Honors
Montana Tech

Professional Status

Registered Engineer Intern
State of Montana, 2007
Member of American Society of
Mechanical Engineers

Specialization

Rheology testing and analysis
Paste testing and analysis
Hydraulic design of pump and piping
systems
Mechanical design and specification of
equipment
Equipment operation and maintenance

Notable Projects

Joslyn North Mine, Canada

PID's, PFD's, and hydraulic design support for in-line flocculation and thin lift dewatering field trail design. On site pumping system operation and pipeline data analysis

Williams (Hemlo) Mine, Canada

On site paste backfill binder study including cyclone operation and sampling, cemented tailing strength and rheology testing

Sierrita Mine, USA

Tailings rheology testing for the evaluation and hydraulic design of tailings expansion

Snap Lake Mine, Canada

Paste rheology testing for backfill evaluation and design

Kennecott Utah Copper

Tailings rheology testing for the evaluation and hydraulic design of tailings delivery system

Goldstrike Mine, USA

Paste backfill test work including rheology, cemented tailings and cyclone testing

Metates Mine, Mexico

Hydraulic design for return water and concentrate pipeline scoping study

MI Swaco, USA

Automated bentonite packaging system feasibility study, upstream pneumatic conveying evaluation, and detailed equipment selection

MI Swaco, USA

Structural design, contractor evaluation, and construction management for plant building roof repair campaign

MI Swaco, USA

Airflow testing and evaluation for plant dust collection systems including duct sizing and fan selection