

Peter White, P. Eng.

GROUTING SPECIALIST

Professional Summary

A professional engineer with over 40+ years of diversified experience including corporate, administrative, management, supervisory and technical responsibilities in project evaluation, construction, operation, contracting and consulting at project locations in Canada, United States, Europe and Asia.

Work History

- 1988 to date** Owner of service companies providing materials, equipment and engineering support services for grouting operations in heavy civil construction, utility, tunneling and mining industries.
- 1987 to date** Self-employed consulting engineer engaged for assignments on diverse projects by mining companies, mining contractors, engineering companies, electrical utilities, general contractors, heavy civil contractors and specialty contractors
- 1971 - 1987** Mining engineer employed by various mining contractors and mining companies at project locations across Canada, USA and overseas.

Education

- 1971 B.Sc. Mining - Queen's University
Kingston, Ontario
- 1976 M.B.A - Queen's University
Kingston, Ontario

Professional Affiliations

- Professional Engineer, Ontario

Specialties

- Water control for underground mines and tunnels
- Rock grouting for dams and cut-off walls
- Troubleshooting complex grouting projects
- Soil stabilization and ground improvement
- Hands-on engineering and supervisory skills
- Engineering for pressure grouting operations
- Grouting technology transfer and personnel training
- Comprehensive knowledge of grouting equipment
- Extensive knowledge of grouting materials
- Emergency situations involving water inflows

Selected Grouting Experience



Marcopper Mining Corp, Philippines

Provided technical expertise to a local contractor during plugging of drainage tunnel located 500 feet below abandoned open pit filled with tailings using cement, polyurethane and hot bitumen grouting materials.



Kiewit - Mayo B, Yukon

Delivered hands-on engineering services to stop a water inflow of 1500 GPM interrupting an underwater tunnel construction project.



HLH, Chile

Designed and supervised a chemical grouting operation using a two-component polyurethane elastomer to reinforce the rock strata adjacent to a high-pressure concrete tunnel lining.



United Paragon Mining, Philippines

Developed detailed grouting program and equipment required for stopping 800 GPM water inflow into the bottom of an 800 foot deep mine shaft, using cement grout accelerated with sodium silicate

Selected Grouting Experience



CP RAIL, Canada

Prepared technical recommendations and cost estimates for reducing water infiltration into concrete lined ventilation shaft. Trained railway personnel and directed successful implementation of polyurethane grouting operation to stop water infiltration.



Excellon Resources, Mexico

Supervised deep hole drilling and high-volume cement grouting operations to seal water-bearing rock formations and successfully recover a flooded underground silver mine.



JF White Contracting, USA

Provided engineering services and grouting expertise to JF White Contracting Company on the Catskill-Delaware water system upgrade project. Designed a complex under water grouting application to seal a 12 m long bypass pipe.



Agnico-Eagle Mines Ltd, Canada

Specified and supervised a cement grouting program using sodium silicate as an accelerator which successfully stopped substantial water inflows into an ore pass and a ventilation raise at depths of 300 feet below surface.