



rpc

SCIENCE & ENGINEERING

921 College Hill Rd. Fredericton, NB Canada E3B 6Z9
115 A Harrisville Blvd. Moncton, NB Canada E1H 3T3

Mineral Processing

RPC offers a broad range of services to the mining sector including mineral dressing, environmental services and analyses, bioleaching, hydrometallurgy and pyrometallurgy. We have a well-equipped flotation pilot plant and extensive experience in all aspects of extractive metallurgy. Our environmental services include characterization and testing of acid producing rock, tailings and hazardous wastes and asbestos identification. Our mineral processing services include crushing, sizing, grinding, gravity separation and flotation.

Our acid-rock drainage service line offerings include acid-base accounting, humidity cell and lysimeter testing, and large-scale project management capabilities.

One area in which we specialize is in mineral process development. We evaluate the potential to recover valuable metals from a wide range of ore deposits using new and existing technologies. We have particular strength in bacterial leaching ("bioleach") for recovery of metal values from low grade or refractory raw materials.

RPC operates four fluidized bed roasters to provide the flexibility needed to meet a variety of testing requirements. Our roasters are 2, 6, 8, and 12-inch diameter stainless steel and refractory units. They are equipped with a variety of gas cleaning and ancillary equipment including hot filters, cyclones, cold baghouses and condensers.

RPC operates this comprehensive mineral processing and pilot plant test facility staffed by a multi-disciplinary team of specialists comprised of chemists, metallurgists, chemical engineers, electrochemists, mineralogists and physical metallurgists.

Research / Development / Services

- flotation
- acid rock drainage
- bioleaching
- extractive metallurgy
- pyrometallurgy
- hydrometallurgy
- materials characterization
- inorganic analysis
- wet chemistry

Support Services

- chemical analysis
- mineralogy and imaging
- materials engineering
- design engineering and prototype development

Contacts

Leo Cheung, P.Eng.
Dept. Head, Minerals and Industrial Services
Tel: 506.460.5654 Fax: 506.452.1395
Toll Free: 1.800.563.0844
E-mail: leo.cheung@rpc.ca

RPC's Quality Management System is registered to ISO 9001:2015.

www.rpc.ca

