



MINING FACT SHEET

Environmental challenges exist throughout the life of a mine, from exploration to closure. Pace® supports our mining clients, consultants to the mining industry and regulatory agencies in areas of environmental analytical services with over 40 years' experience with site investigations, remedial investigations, mine closures and incident response.

Pace® offers methods which determine the acid producing potential of mine tailings, overburden, and mine waste rock. Analyses to provide acid-base accounting and predict acid mine drainage include kinetic testing with simulated weathering columns and cells. These mining support services are available to assist our clients in their predictions for proposed mines and assessment at operating mines and monitoring for closure activities.

Permitting Cycle

Pace® can help during the Permitting Cycle with:

- Baseline Characterization
- Air Quality, Soil/Rock Quality/Surface and Ground-Water Quality such as:
 - Kinetic Testing (accelerated weathering) of rock and soil
 - Cation/Anion and metals analyses of water
 - Meteorological (weather parameters)

Production/Mining Cycle

During the Production/Mining Cycle Pace® offers:

- Permit Compliance work
- Air Quality, Soil/Rock Quality/Surface and Ground-Water Quality
- Typical Analyses:
 - Kinetic Testing (accelerated weathering) of rock and soil
 - Cation/Anion and metals analyses of water
 - Meteorological (weather parameters)

Reclamation/Closure

During the Reclamation/Closure:

- Air Quality, Soil/Rock Quality/Surface and Ground-Water Quality typical analyses include:
- Kinetic Testing (accelerated weathering) of rock and soil
 - Cation/Anion and metals analyses of water
 - Meteorological (weather parameters)
 - Vegetation analyses for metals uptake

Minerals Pace® Provides Testing For

- **COAL** – lignite (Brown), bituminous (Black – more Combustible) and anthracite (Highest ranking, based on BTU value)
- **PRECIOUS METALS** – gold, silver, platinum, palladium, PGM (Platinum Group Metals)
- **BASE METALS** – iron, nickel, aluminum, copper, zinc, lead, manganese, titanium
- **INDUSTRIAL MINERALS** – talc, trona, limestone, barite, bentonite, borax, clay, silica, sand & gravel aggregates, dimension stone
- **URANIUM** – Used to make fuel for nuclear reactors and weapons.
- **PETROLEUM** – crude, natural gas
- **RARE EARTH ELEMENTS - REE**
- **CRITICAL MINERALS**



Our mining support services provide a complete range of laboratory analysis to meet the environmental requirements of the mining industry in accordance with recognized standards.

Contact us today to learn more! Scan the QR code or call 307.751.9454.