

RESUME

Peri Mehling, B.A.Sc., M.Sc., P. Eng.

Senior Consultant



Education:

B.A.Sc. (Civil Engineering)
University of British Columbia, Canada
M.Sc. (Environmental Science & Engineering)
Oregon Graduate Institute of Science and Engineering, Oregon, U.S.A.)

Years of Relevant Experience: 27

Summary of Experience:

2005 – present: President and Senior Consultant, MESH Environmental Inc.

1997 – 2005: President and Senior Consultant, Mehling Environmental Management Inc.

1994 – 1997: Independent Consultant, Mehling Environmental Management.

1988 – 1994: Senior Environmental Engineer, Mining & Smelting, Industrial Programs Section, Pollution Abatement Branch, Environment Canada.

1979 – 1981: Geotechnical Engineer, Klohn Leonoff Ltd.

Affiliations:

Association of Professional Engineers and Geoscientists of British Columbia (APEGBC)

Association of Professional Engineers, Geologist and Geophysicists of the Northwest Territories (NAPEGG)

Society for Mining, Metallurgy and Explorations (SME)

Canadian Institute of Mining (CIM), Vancouver Branch

Ms. Mehling is a geotechnical/environmental engineer with over 27 years experience addressing mining environmental issues. This includes evaluation of environmental impacts and design of mitigation works for more than 60 new, operating and closing mines in North America, as well as international projects in Australia, Russia, Indonesia, Mexico, South America, Oman and Italy.

Areas of Expertise:

- Assessment of acid rock drainage (ARD) and metal leaching (ML) potential for open pits, underground workings, excavations, underground backfill, tailings, and waste rock facilities using static and kinetic tests.
- Management of residual mill chemicals, such as cyanide, and nitrogen compounds from explosives use.
- Prediction of water quality from mine components.
- Linking geochemistry with waste and water management, hydrogeology, hydrology, mill processes, treatment facilities, and downstream water quality impact evaluations to develop environmentally acceptable mining projects.
- Design of remedial and closure plans for mining waste management facilities, including blending of waste rock, backfill, water covers, soil covers, and underwater disposal.

Recent Project Experience:

- St. Ives Gold Mine Co Pty Ltd, Kambalda, W.A., Australia - Overall characterization of existing waste rock piles for ARD/ML potential, including consideration of salinity and reclamation issues; assessment of residual cyanide species and long term leaching potential for a proposed heap leach development.
- Canadian Zinc Corporation, Prairie Creek Mine, NWT, Canada – ARD/ML characterization for waste rock, ore, coarse mill float, tailings, paste backfill and concentrate for an underground lead/zinc prospect hosted in carbonate rock; evaluation of metal leaching under alkaline conditions; differentiating leach rates for metal carbonates and metal sulphides.
- Barrick Gold Corp., Eskay Creek Mine, B.C, Canada – prediction of underground mine water quality and development of preliminary mine closure plan.
- Northern Orion Resources Inc., Agua Rica Project, Argentina – third party review of ARD/ML assessment.
- MEND Research Project – Report on the Paste Backfill Geochemistry, Environmental Effects of Leaching and Weathering.