



David A. Young

CANMET Mining and Mineral Sciences Laboratories

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Twenty-five years in mine environment engineering and contaminant controls and related technology R&D studies, focusing on mine air quality and ventilation control; nine years on certification and technology applications in diesel emission control in mining.

Professional experience

1998 to present: Mine Environment Engineer, Underground Mine Environment Group, Bells Corners Complex, Natural Resources Canada. Project engineer for the implementation and upgrading of the diesel engine testing facilities. Work included managing installation of the new AC dynamometer and ventilation controls and the continued implementation of new analytical test procedures when required. Carry out certification and assessments of after-treatment technologies for removal of diesel emissions contaminants produced by diesel engines.

1996 to 1997: Mine Environment Scientist with the CANMET Sydney Laboratory U/G Mine Environment Group, Natural Resources Canada. Laboratory and fieldwork included supervising coal mine methane and ventilation studies conducted in the Sydney Coalfield. Duties included analysis of dust, components of mine air samples, ventilation monitoring (including tracer gas studies and ventilation modeling). Acted as Scientific Authority on several external studies.

1991 to 1996: Research officer with the CANMET Sydney Laboratory U/G Mine Environment Group, Natural Resources Canada. Work included analysis of dust, components of mine air samples and methane emissions monitoring and maintaining of emissions databases.

1983 to 1991: Laboratory and Field Technologist, CANMET/Energy, Mines and Resources Canada involved in fieldwork in underground mines and laboratory analytical testing.

1980 to 1983: Cargo Surveyor and Analyst, SGS Supervision Services, Sydney Nova Scotia, involved in sampling and inspection of cargo on ocean going vessels and other shipments.

Education: 1980 Diploma, Chemical Engineering Technology,
University College of Cape Breton, Nova Scotia
1989 B.Sc., University College of Cape Breton, Nova Scotia
1998 M.Eng Mining, McGill University, Montreal, Quebec.

Professional Affiliations:

Society of Automotive Engineers (SAE);

Professional Committees:

Underground Coal Mining Safety Research Collaboration (UCMSRC), Canada.; Mining Diesel Emission Council (MDEC) – Management Committee; Canadian Institute of Mining and Metallurgy (CIM) - Ottawa Branch Chairperson