



## **Gary W. Bonnell**

Natural Resources Canada  
CANMET, MMSL, Sudbury Lab  
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### **Experience**

1978-1982 Energy Research Laboratories Sydney, NS  
Supervising Chemist

- Undertook chemical and physical testing of coal samples.
- Preparation of analysis reports for clients.
- Participated in the development and revision of coal and coke standards.
- Provided technical expertise to the coal industry.

1982-1996 Cape Breton Coal Research Laboratory Sydney, NS  
Supervising Chemist

- Undertook field and laboratory testing for underground coal mining industry.
- Participated in the development of tracer gas techniques and studies for the mining industry.
- Scientific Authority for research contracts serving the coal industry.
- Provided technical expertise to the coal industry.

1996-Present Mining and Mineral Sciences Laboratories Sudbury, Ont  
Chief Analytical Chemist

- Undertakes underground mine ventilation and contaminant assessment studies.
- Oversees particulate analysis services.
- Establishment of an inter-laboratory Proficiency Analytical Testing program for quartz.
- Preparation of standard reference materials for the mining industry.
- Former Chair of the Underground Coal Mining Safety Research Collaboration.

### **Education**

1974-1975 University College of Cape Breton Sydney, NS  
1975-1978 Dalhousie University Halifax, NS

- B.Sc., Major in Chemistry and Math.

### **Publications**

CANMET and divisional reports

- Underground mine environment studies for the coal and hard rock mining industry.
- Coal testing and analysis for the Canadian coal mining industry.

### **Affiliations**

- Mines and Aggregates Safety and Health Association (MASHA).
- Underground Coal Mining Safety Research Collaboration (UCMSRC).
- American Society for Testing and Materials (ASTM) – Committee D5 on Coal and Coke (formerly).