

JOHN A. AMIRAULT, M.Eng.,P.Eng.

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PROFILE

An accomplished engineer with a reputation as a skilled executive planning strategist, tactician, negotiator and mediator. Demonstrates application of superior knowledge and skills, while managing project initiatives from concept feasibility through to successful completion. Broad expertise applied in diverse areas of government, environment, public consultation, mining, construction, and transportation. Projects a strong bias for proactive, articulate communication, with a clearly focused hands on operating style.

John A. Amirault , M.Eng, P.Eng Consulting Engineer to 2003

Offering professional services as a senior independent engineering and environmental consultant, operating from a base in Atlantic Canada. Prior professional work experience has established an extensive network of contacts within the Professional Service Sector, Industry, Universities, Communities and Government, to facilitate the brokering of services from a variety of firms. Activity focuses on natural resources management, environmental planning, site management and rehabilitation, technology development, community liasion and communication. Current assignments involve preparation and management of industrial permit applications, major mine sit reclamation schemes, cost benefit analysis for transportation infrastructure projects, industrial public relations programs, market analysis strategic planning, and active project management, participates as Board member of Industry associations and Vice Co-Chair , Advisory Council to Minister of Environment and Labour on Occupational Health and Safety.

Environmental and Waste Management Focus

Founded on a solid, progressive and leading edge graduate academic program at McGill University, a significant amount of the professional work has encompassed environmental issues relating to air, water and waste management activities. Graduate thesis related to air pollution, early industrial work involved the design and application of trace metal sampling techniques, and interpretation of the results to direct ongoing studies. Professional activities with government and as an engineering consultant, provided numerous opportunities, to participate in and to direct the emerging environmental activity during the last three decades. Continue to be actively engaged in the practice of engineering consultation with heavy empasis on environmental issues. Many current assignments are directly and extensively related to securing regulatory and community approvals, the design and execution of monitoring and environmental programs.

Government of Nova Scotia 1973- 1981

Department of Mines and Energy, Director of Engineering

- Member of Interdepartmental Committee on the Environment.
- Member of the Sable Island Environmental Committee.
- Participant, 1977 Coal Association of Canada tour of Industrial Reclamation sites in Europe.
- Member of Land Reclamation Association of Canada.

- Director Thorburn Mining Ltd., Coal Mine Waste Reclamation Project, Stellarton, N.S.

This project involved the design, retooling and manpower training, to establish a 100 tph coal mine waste recovery extraction facility which successfully operated over 6 years. Commercial profits generated from the waste recovery project, were used to reclaim large tracts of previously derelict mining lands in Pictou Co.

- Senior Professional responsible for coordinating and facilitating environmental approvals, permits and negotiating environmental reclamation bonds, land access disputes, and community complaints relative to operating mines.
- Attendance and participation at public meetings representing Government.
- Facilitating and coordinating meetings on worker and public safety issues.

Engineering Consultant and Manager 1981 – 2002

- Novaco Limited: managed the reclamation of several hundred acres of open pit mining lands in several locations including overall design, contract setup and management, as well as community consultation, liaison and acceptance of final disposition.
- Various: prepared numerous land reclamation schemes relating to coal mines, gypsum operations, salt mining waste management and disposal, and also derelict mining lands reclamation.
- Participated in the design of major engineering programs, to characterize environmental hazards at mine sites in Nova Scotia and Ontario.
- Alone and in association with other firms designed, managed and executed the public consultation process for a number of undertakings, the most notable was the approval of the Shubenacadie project involving a large open pit mine in close proximity to residential properties, Middle Shoal Project, various open pit Coal mine approvals in Pictou Co., Cape Breton and Cumberland Co.
- Directed the activities of an active engineering group, responding to professional opportunities from diverse locations, requiring the coordination and motivation of multidisciplinary teams of inhouse and external engineering specialists, for over 14 years and continuing at present.
- Participated in the development of numerous mine site reclamation projects on Cape Breton Island, Pictou Co, Cumberland Co. and Yarmouth Co. N.S.
- Actively engaged in reviewing environmental plans and commitments for a number of Major Industrial concerns.
- Participated as Senior management advisor and environmental program co-ordinator for a major and sensitive dredging program at the entrance to the Bra d'Or Lakes.
- Actively engaged in managing domestic water supply issues in relation to industrial activity.
- Participated in a number of formal public hearings for environmental applications and appeared as expert witness on behalf of industrial clients in Supreme Court of Nova Scotia.
- Assignment to many senior level advisory groups to Industry, and the Federal and Provincial Government. One of the more recent appointments is the **International Trade Advisory Committee (ITAC)** Task force on Trade and the Environment, reporting to the Federal Minister for International Trade.
- Was responsible for recruiting the General Chairman and acted as Technical Program Chair for the **Canadian Institute of Mining, Metallurgy, and Petroleum**, Annual General Meeting, held in Halifax, May 1995. This task is a clear example of team building skills which ultimately resulted in the program design, 200 paper definition and selection, with a very successful final execution on schedule by authors from across Canada and abroad.

An employee owned engineering and environmental consulting firm of 250 individuals in Canada and internationally. Areas of speciality include geotechnical and materials engineering, concrete technology, and hydrogeology and environmental services.

The key individual responsible for establishing and managing a mining practice within the group. Primary focus included business development and the delivery of geotechnical and environmental consulting services to the mining sector throughout Atlantic Canada and nationally. Managed a direct staff of 8 and up to 60 professionals on a project basis.

- Succeeded in establishing the firm as the #1 geotechnical and environmental consulting firm for the mining sector in Atlantic Canada. Delivered in excess of 230 major projects in the mining sector.
- Led successful initiatives which utilized hydrogeological and geotechnical principles to solve complex contaminated mine water flow issues. This work is considered to be a major step in the solution of complex environmental water problems at mine sites.
- Secured one of 2 pilot studies conducted on behalf of the Government of Ontario, to survey and develop a comprehensive inventory of abandoned mine sites in a specific area of the province. This document served as the blueprint for over 15 subsequent studies, which were carried out in various other parts of Ontario.
- Facilitated the purchase and sale of a major base metal mine involving both private and public sector parties. The significance was that upon completion, it would have been the first time in Canadian history that the environmental liability will be allowed to transfer to the new owners.
- Represented the company to the highest professional and corporate level to establish business within the Natural Resource sector, breaking new ground in terms of engineering new environmental technologies.
- Identified, pursued and secured contracts, while utilizing and directing highly qualified specialized multi-disciplined teams. Prime areas of specialization - mining, environmental issues, site development, water and waste management operations, and including a strong emphasis on community liaison.
- Delivered quality, time driven proposals and studies which assembled data on mining projects, and prepared recommendations for mine development activity, feasibility and marketing studies.
- Assisted construction, transportation, and mining companies, in the development and acquisition of environmental permits by researching the project, assessing the requirements, developing and executing plans of action.
- Planned, initiated, and directed clean-up and reclamation of industrial and mine sites.
- Represented the interests of Industrial Associations to industry and Government forums, through the preparation of briefs, papers, media interviews and speeches.
- Senior advisor and consultant to mining companies operating in the Atlantic region.
- Directed and conducted public consultation programs.
- Instrumental in preparing reviews to Nova Scotia Mineral Resources Act and Nova Scotia Environmental Assessment Act.
- Qualified as expert witness in the Supreme Court of Nova Scotia. Participated as board member of a public company.

NOVA SCOTIA DEPARTMENT OF MINES AND ENERGY
Director of Engineering

1973 - 1981
1977 - 1981

Hired as a mining engineer in 1973, was quickly promoted to Senior Mining Engineer and to Director of Engineering, Chief Inspector of Mines.

- Directed the mine engineering division in all aspects of mine developments and operations in Nova Scotia.
- Managed three hundred employees working in six major divisions dealing with the mine engineering, mine inspection, workplace safety, mine rescue programs, and the operation of a modern diamond drilling unit to service industry and Government.
- Oversaw the operations of a coal preparation plant, reclaiming coal from coal mine wastes and rehabilitating derelict mining lands to productive use.
- Member of Board of Directors of Provincial Crown Corporation.

FALCONBRIDGE NICKEL MINES LIMITED

1969 - 1973

MEMBERSHIP ASSOCIATIONS

- **Canadian Institute of Mining Metallurgy and Petroleum**, nominated for President 1993 of this prestigious 12,000 membership national organization. Director CIM Foundation. Member of Strategic Planning Committee. Vice President CIM District 1 1989-91., Technical Program Chairman, CIM '95.
Awards: Past Presidents Medal 1987, Fellowship Award 1992.
- **OH&S** Advisory Council on Occupational Health and Safety, 1994 to present
- **NAFTA**, member Sectoral Advisory Group on International Trade, Minerals and Metals to the Federal Minister for External Affairs, member of Task Force on Trade and the Environment.
- **Association of Professional Engineers** of Nova Scotia and Ontario.
- **Chamber of Mineral Resources of Nova Scotia**, Director, 1981 - present; President, 1991- 1992.
- **Nova Scotia Consulting Engineers Association**, Director, 1982-1988; President, 1986 - 1987.
- **Mining Society of Nova Scotia**, President, 1985 - 1986 ; Councillor, 1975 - 2003.
- **Minister's National Advisory Committee**, Main Committee Member, 1987 - 1989; Business Subcommittee Chairman, 1987 - 1989.
- **National Advisory Committee to Canmet on Mining and Metallurgical Research**, Main Committee and Subcommittee on Coal Technology, 1979 - 1987.
- **Board of Examiners**, APENS Chairman, 1982 - 1983; NS CMRA, 1975 - 1981.
- **Academic Advisory Committees**
 - Dalhousie University of Nova Scotia, 1995
 - College of Cape Breton, Chairman, 1978
- **American Institute of Mining Engineers**

EDUCATION

- **M. Eng.**, McGill University, 1969.
- **B. Eng.**, Nova Scotia Technical College, 1967.
- **Dip. Eng.**, St. Francis Xavier University, 1965.

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