

**GIUSEPPE (JOE)
MURACA**

ASSOCIATE
ENVIRONMENTAL
PLANNER

Education

M.E.S. and Graduate
Diploma in Business and
the Environment, York
University, Toronto,
2001

B.E.S., Graduated Magna
Cum Laude, York
University, Toronto,
1999

Affiliations

President, Ontario
Society for
Environmental
Management

Ontario Professional
Planners Institute

Canadian Institute of
Planners

International Right of
Way Association

Canadian Nuclear
Association

Language

English, Italian, French

PERSONAL PROFILE

Joe is an Associate and environmental planner at Dillon. Over the past thirteen years, he has managed a number of large, multi-disciplinary environmental and socio-economic impact assessment (EA) and stakeholder consultation projects. He has also been involved in environmental mitigation and inspection services and has provided expert testimony at the Ontario and National Energy Boards. Joe has worked to assist a wide range of companies in managing/coordinating the environmental assessment, stakeholder consultation, and permitting of a variety of facilities.

RELEVANT EXPERIENCE

ENVIRONMENTAL ASSESSMENT AND ENERGY

Natural Gas Pipelines

Joe has managed over 30 pipeline reinforcement projects for a variety of clients including Enbridge Gas Distribution, Enbridge Pipelines, Utilities Kingston, and Calpine Corporation. Some highlights are included below.

Enbridge Gas Distribution

EA Project manager for 50 km of 36" pipeline to reinforce the City of Toronto. General duties include background data collection, evaluation of environmental impacts of pipeline construction, pipeline route selection.

Enbridge Gas Distribution

Project manager for the installation and abandonment of 20 inch pipelines in Mississauga, Ontario, on behalf of Enbridge (conducted under the National Energy Board Act [Section 58] and the Canadian Environmental Assessment Act).

Enbridge Gas Distribution

Co-managed a feasibility study on behalf of Enbridge for the Three Nations Bridge Pipeline. The work involved the removal and replacement of a large diameter pipeline suspended on a bridge owned and operated by the Federal Bridge Corporation and the Seaway International Bridge Corporation. Conducted work and data collection toward an Application for a Project under the NEB Guidelines.

Utilities Kingston

Project manager for the EA and chief environmental inspector for a 15 km (12 and 8 inch) natural gas pipeline to be constructed in Kingston, Ontario, to reinforce the supply of natural gas to the City of Kingston. Also prepared the "Leave to Construct" application submitted to the Ontario Energy Board and coordinated all permit applications.

Power Generation and Transmission

Northland Power

Project manager for the Environmental Assessment of 250 MW cogeneration station to be located in Oshawa, Ontario.

Ontario Power Generation

Project manager for the Darlington Nuclear Campus Plan on behalf of OPG, a project being undertaken to revitalize the site and associated infrastructure.

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Hydro One

Project manager for a socio-economic impact assessment for a proposed 430-km transmission line from Nipigon to Pickle Lake, Ontario.

Various Power Generation Stations

Assisted with individual environmental assessments for power generation stations in northwestern Ontario: Thunder Bay, Atikokan, Cascades Fine Paper, and Norampac.

Pristine Power

Co-Project manager for an environmental assessment and permitting for several large natural gas-fired power generation stations proposed to be located in Ontario on behalf of Pristine Power – 580 MW Simple Cycle (Milton Ontario), 84 MW Cogeneration (Windsor, Ontario), 580 MW Simple Cycle (Sarnia, Ontario), 400 MW Simple Cycle (King Township, Ontario).

Ontario Power Generation

Co-Project manager for an environmental assessment and permitting of a proposed 880 MW Simple Cycle gas-fired generation station to be located in Mississauga, Ontario.

Peat Resources Limited

Assisted with an environmental assessment for a project undertaken by Peat Resources Limited to harvest peat in northwestern Ontario and process it for use as a fuel source.

Trillium Energy Centre

Assisted with an environmental assessment for the Trillium Energy Centre, a 600 MW power station to be constructed in St. Clair Township, Ontario.

Portlands Energy Centre

Assisted with an environmental assessment for the Portlands Energy Centre, a 550 MW power station to be constructed in the Portlands area of Toronto.

Brighton Beach Power Station

Assisted with an environmental assessment for the Brighton Beach Power Station, a 580 MW power station to be constructed in Windsor, Ontario.

Pickering Nuclear Waste Management Facility

Assisted in the development of technical documents and baseline conditions for the Pickering Nuclear Waste Management Facility Phase II Environmental Assessment.

Assisted in the development of a bid package for a proposed pump storage hydro-electric project in Atikokan, Ontario.

Environmental Management and Energy Studies

Ontario Power Authority

Assisted in the development of a model for the Ontario Power Authority to quantitatively evaluate the natural environment impacts of different electrical generation options.

Ontario Realty Corporation

Assisted in the development of a method to incorporate socio-economic evaluation into the Class EA process on behalf of the Ontario Realty Corporation. Provided a system to aid staff in assessing impacts, ranking them, suggesting mitigation, and providing training on the model and socio-economic analysis in general.

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Nevis Electric Company

Assisted in the development of a health, safety and environmental management plan for the Nevis Electricity Company.

Hydro One Networks Inc.

Completed numerous compliance audits for Hydro One Networks Inc. service centres and transformer stations across Ontario.

Imperial Tobacco

Assisted in the development of an environmental management plan and facilities audit for Imperial Tobacco.

Assisted in several surveillance (ISO 14000) and annual compliance audits for several facilities throughout Ontario.

Completed numerous Phase I environmental site assessments for several properties (commercial and industrial).

Assisted in the development and implementation of Phase II and Phase III environmental site assessment programs, including site remediation activities, and soil and groundwater sampling programs.

Design and implementation of water monitoring and turbidity analysis programs for several natural gas pipeline construction projects throughout Ontario.

Completed and assisted in the implementation of groundwater and surface water monitoring programs throughout Ontario.

Completed annual potable water sampling programs for several large automobile manufacturing facilities.

Provided assistance to a team that provided environmental due diligence and strategic advice to a large U.S. independent power producer.

HAZARDOUS WASTE

Environment Canada

Development of a manual for the Transboundary Movement Division (TMD) of Environment Canada detailing the procedures which need to be followed by the staff in TMD for approving notices and tracking manifests under the EIHWR.

Participated in several studies on liability and compensation mechanisms in the hazardous waste industry, focusing specifically on insurance and financial assurance mechanisms.

Participated in a project to develop environmentally sound management guidelines for the ship dismantling industry in Canada.

Completed several discussion papers on regulatory reviews for hazardous waste and hazardous recyclable materials under the technical support to CCME-HWTG on hazardous waste management issues.

Developed a computer-based training course, based on the EIHWR, involving the classification, sampling, transportation and management of hazardous wastes and hazardous recyclable materials. The target audience for this course was CEPA inspectors, generators, receivers and carriers.

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EMPLOYMENT HISTORY

Dillon Consulting Limited

2006-Present Environmental Planner

SENES Consultants Limited

2001-2006 Environmental Scientist/Planner

Meteorological Service of Canada, Environment Canada

2000-2001 Manager of Environmental Management Systems in the Policy and Corporate Affairs Division.

1999 to 2000 Research Manager in the Science Assessment and Policy Integration Branch.

York University

2000 Research for M.E.S. Thesis

AWARDS

Diploma in Business and the Environment (Sustainability), Schulich School of Business.

Fellowship Award Recipient

Two-time Winner, Ontario Graduate Scholarship

York University Continuing Scholarship Award

Nestle Scholar Award – Business Case Competition

PROFESSIONAL DEVELOPMENT

Screenings under the Canadian Environmental Assessment Act, Environment Canada, 2004.

Participated in and completed a Noise Modelling Course hosted by Dr. Ramani Ramakrishnan (Ryerson University) on Noise Modelling and Monitoring, which included training on the use of noise monitoring equipment and the Stamson model (Road and Rail Pass-By Noise).

Environmental Management Systems, Standards, Practices and Aspects, and Environmental Auditing, Legislation, and other Canadian Requirements, Sustainable Enterprise Academy, York University, 2001.

Compliance 101: Environmental Compliance and Regulations in Canada and Ontario, Federal Programs Division, Environment Canada, 2001.

Alternative Dispute Resolution, Stitt, Feld, Handy, Houston, 2000.