

Ian Dowsett - *Emergency Management Consultant - Retired*

SKILLS 45 years of experience in areas of public safety, emergency response management, pipeline design and operations, well performance modeling, dispersion modeling, and hazard & risk analysis

Recognized as a subject area expert with extensive experience in both regulatory & public domains having provided advice and direction to the regulators, corporations and the public and through participation at regulatory hearings, public meetings, open house events and courses

EXPERIENCE **SKYSTONE ENGINEERING, CALGARY**
2011 to Retirement
Vice President, Emergency Management

FIRST RESPONSE EMERGENCY SERVICES LTD., CALGARY
2006- 2011
President and CEO - Emergency Management Consulting
Built a successful 23 person company -

RWDI AIR INC., CALGARY
1999 to 2006
Director, Hazard and Risk Services, R&D Model Development

CONOR PACIFIC ENVIRONMENTAL, CALGARY
1998 to 1999
Manager - Hazard and Risk Services

ENERGY RESOURCES CONSERVATION BOARD, CALGARY
1984 to 1998
Senior Advisor, Hazard and Risk Management

CANADIAN WESTERN NATURAL GAS COMPANY LIMITED, CALGARY
1968 to 1984
Analyst - Pipeline Distribution Systems

CORPORATE SERVICES

Recognized Leading Provider of Emergency Management Services. We contributed to building confidence in the companies we served through: the integration of safety and risk management tools with pipeline integrity engineering; the practical implementation of Emergency Management Systems and Public Safety Programs; the facilitation of Regulatory Approvals, and through courses, services, and training.

EXPERT WITNESS
& TESTIMONY

Expert input and opinion into several watershed policy-setting hearings. Hearing participation include:

- D13 ABAER 019 - Grizzly Resources Ltd. and Sinopec Daylight Energy Ltd.: Applications for Well, Pipeline, and Facility – (Hazard and risk modeling set the standard for the use of quantitative risk assessment and acceptability of risk criteria *(for client)*)
- D11 ABERCB 007 Errata -Shell Canada Limited *(for client)*
- D10-030, Application to Construct and Operate an Oil Sands Upgrader in Strathcona County - TOTAL E&P Canada Ltd. *(for client)*
- D10-023, June-2010, Williams Energy (Canada) Inc. *(for client)*
- D10-22 - PetroCanada: Sullivan Sour Gas Development Project – (hazard and risk modeling represented the relationship between risk and pipeline design & operations, for client)
- D07-58 - North West Upgrading Inc.: Application to Construct and Operate Oil Sands Upgrader in Sturgeon County. *(for client)*
- D07-100 - Burlington Resources Canada Ltd: (an affiliate of ConocoPhillips Canada) *(for client)*
- D05-60 - Compton Petroleum Corporation *(for intervenor)*
- D03-101 - Polaris Resources Ltd. Hazard and risk modeling conducted established modeling relationship between risk and pipeline design & operations.
- D02-11 - Talisman Energy Inc. *(for client)*
- D01-98 - Burlington Resources Canada Energy *for client)*
- D01-09 - Shell Canada Ltd.: Application for a well license to drill a level-4 critical sour gas well, Shell PCP Ferrier, Ferrier Field. *(for intervenor - fist use of plume animation at a regulatory hearing)*
- D00-58 - Union Pacific Resources Inc. *(for client)*
- D00-49 - Avalanche Energy Ltd. *(for client)*
- D99-31 - Northrock Resources Ltd. *(for client)*
- D99-16 - Canadian 88 Energy Corp. *(for intervenor)*
- D99-15 - Ulster Petroleums Ltd. *(for client)*
- D97-16 - Canadian 88 Energy Corp. *(for intervenor)*
- D96-01 - Encal Energy Limited: Application *(participation as ERCB staff)*

MAJOR REPORTS
& PUBLICATIONS

- The Relationship of Risk between Land Development and Oil and Gas Activities: A Review of the Walton Risk Report in the Keystone Hill Area; prepared for The City of Calgary (2015).
- Human Health Risk Assessment of Oil and Gas Activity in Northeastern British Columbia; prepared for the British Columbia Ministry of Health by Intrinsik Environmental Sciences Inc., First Response Emergency Services/ Skystone Engineering, Matrix Solutions Inc. and RWDI AIR Inc.
- Interprovincial Emergency Management Regulation Project, Review of International Emergency Management Systems 2010, prepared on behalf of Canadian Association of Petroleum Producers, the Alberta Energy Resources Conservation Board and the B.C. Oil and Gas Commission.
- Assessment of Sour Gas Restrictions on North Calgary Development Lands, RMC and Associates and First Response Emergency Services Ltd. (2007), prepared for Mattamy Homes Ltd.
- Impacts of Sour Gas Operations on Proposed Red Deer Growth Areas, RMC and Associates and First Response Emergency Services Ltd. (2007), prepared for the City of Red Deer.
- On the Leading Edge of Real Time Incident Management. Prepared for: 14th World Conference on Disaster Management (WCDM), Toronto, Ontario Arulanandam, S.J., Dowsett, I.P. (2004).
- Environmental Best Practices: New Regulations and Cost-Effective Technologies for Managing Sour Gas in British Columbia. Dowsett, I. P., Preston, K.E., (2004). Prepared for: British Columbia Natural Gas Symposium.
- A Transient Release Assessment Model for the Analysis of Pipeline Ruptures. Arulanandam, S. J., W.A.J. Springer, M.A. Lauzon, C.D. Serdula and I.P. Dowsett (2003). TRAMP: 53rd Canadian Chemical Engineering Conference, Process Safety and Loss Management Symposium. (Abstract only). Presented in Hamilton, Ontario, October 26-29, 2003.
- Understanding Hazard and Risk Modeling: Transient Analysis Application to a Unique Pipeline Case Study Dowsett, I. P. (2003), Prepared for the Banff Pipeline Workshop, Banff, Alberta.
- An Evaluation of Emergency planning Zones Criteria Applied in Alberta Dowsett, I. P. (2000),. Submitted to Alberta Energy and Utilities Board, cited in Public Safety Review, Alberta, Canada.
- International Review of Risk Management Systems (Report 2) Dowsett, Ian P. (1999), , ARPEL.
- Use of Energy and Utilities Board Production Statistics Reports S-Reports (Production Statistics Reports) As a Performance Measure of Flaring Activities in Alberta Dowsett, I. P. (1997),. Canadian Prairie and Northern Section, Air & Waste Management Association, Annual General Meeting and Technical Conference, Kananaskis, Alberta.
- A Meteorological Screening Matrix for Near-surface Sources such as Accidental Releases. Davies, M.J.E., M.P. Brennand, M.J. Zelensky and I. Dowsett (1992), , Paper 92-101.02 presented at the AWMA 85th Annual Meeting and Exhibition, Kansas City.
- Report of the Subcommittee on Public Safety, Northeast Calgary Application Consultation Committee (NCACC), 1992.