

APPENDIX A

Jeff Mackenzie

Calgary, Alberta

SUMMARY

Highly skilled Senior Emergency Manager with more than 20 years' experience in Emergency Management & Preparedness, Risk Management, Facilities and H&S. Specialized knowledge in Emergency Services Management, EH&S Programs Development, Risk Management and Emergency Services Administration.

EXPERIENCE

TransCanada Pipeline

08/2014 - Present

Senior Emergency Preparedness & Response Specialist, Major Projects

- Responsible for coordinating emergency preparedness and response-related activities in support of all phases of the Major Project life-cycle.
- Manages a variety of project activities by creating and updating scorecards that provide stakeholders with the status of EP&R deliverables.
- Maintains project deliverables and budgets by creating project plans and identifying and addressing any gaps or project conflicts - proactively communicates with stakeholders and team members accordingly.
- Provides permit application support by creating work plans and submitting timely and accurate documentation to ensure all applicable regulatory and Company standards are met.
- Engages in stakeholder outreach and consulting by developing business fact sheets, presentations and talking points for meetings and open houses.
- Plans and coordinates EP&R activities by creating work plans that incorporate operation requirements - ensures that plans are filed, approved, and submitted in a timely matter and with respect to all applicable regulatory and Company standards; ensures that Company is prepared to respond to emergencies.
- Conducts design and document reviews to ensure EP&R requirements are understood by the project and identify hazards and mitigation measures to be implemented through engineering design and other means.
- Ensures that the Company is able to meet or exceed all regulatory requirements and is adequately staffed to effectively respond to emergencies.
- Coordinates equipment procurement by ensuring the proper identification, budgeting and delivery of emergency-response related equipment.
- Develops and maintains a network of EP&R consultants, contractors, and industry and agency organizations by working with external resources leads and supply chain to identify needs for supplemental support by third parties - ensures corresponding agreements are active and in accordance with resource strategies.

Bissett Resource Consultants

Senior Emergency Planner

11/2013 – 08/2014

- Development of Regulatory projects completed in accordance with governing regulatory body (Alberta Energy Regulator - AER).
- Preparation of projects for public consultation, the analysis and processing of field work, the writing of an Emergency Response Plan (ERPs – Corporate, Site Specific, Facility/Area) for the approval by the regulator and for the protection of workers, the public, and the environment in the event of an emergency.
- Full scale & table top exercise AER regulated training for corporate (Emergency Command Centre), site leaders and field. Some clients include: Suncor Energy, Sinopec, ConocoPhillips, Bonavista Energy, and Harvest Energy.
- Liaise with all departments (Petroleum Engineers, Hazard Assessors, GIS Technologists, Dispersion Modelers) that have input required for writing emergency response plans

- Development of regulatory projects completed in accordance with the AER Directive 056 and AER Directive 71 for projects in Alberta and BC Oil and Gas Commission Emergency Response Plan Requirements for projects in BC.

Suncor Energy

11/2006 – 09/2013

Natural Gas, North America Onshore Emergency Management & EH&S Advisor

Risk Management

- Completion and compiling of a Security Risk Registry/All Hazards to identify probable and potential risks to the organization by using a task risk analysis approach. Security risk registry range from Bomb threats, to terrorism to environmental issues (WCSS, loss of containment and spill prevention & response).
- Detailed understanding and on hands experience of Integrated Risk Management System (IRMS) and Operational Excellence Management System (OEMS).
- Experience with Incident Learning Prevention, Action Management, Management of Change, EH&S and Risk Matrix.
- Experience in a variety of settings that were primarily in the oil & gas sector: Remote drilling sites, Production (Oil Sands Mining & InSitu), H2S, Natural Gas and Well site services.

Emergency Preparedness & Management

- Emergency Management Advisor & Team Leader of the development of the North America Onshore, Natural Gas Emergency Management Guideline G503. Successfully implemented to maintain, test and continuous improvement for Suncor's emergency/security preparedness.
- Assist businesses, manage, implement, plan, test, guide and facilitate emergency management components: Full Scale ERP Exercises, Evacuation drills, Revision of fire protection systems, confined space consulting, and the Incident Command System (Level 3).
- Interaction with external parties AER (ERCB), CEPA, DOT, Canutec, ...
- Maintenance and update of resource material and essential information for ERPs.
- Interaction with federal, municipal, local and mutual aid agreements to coordinate emergency response planning and preparedness.

EH&S

- EH&S Advisor for Suncor Energy's largest Natural Gas Plant, Hanlan Robb and the Medicine Hat & Saskatchewan field.
- Advisor for OH&S code regulations, Policies & Procedures, Best Practices and occupational classifications. Board member of Workplace Health & Safety Committee.
- Authorization & revision of safety contingency plans and site specific work plans.
- Completion of on-site safety audits inspections
- Incident Investigation for EH&S & Security (Injuries, Fatalities, Incidents, Preventive Maintenance,...)
- Emergency preparedness planning creation & implementation for hazardous operations.
- Process Safety Management (PSM): Field Level Risk Assessments, Work place observations and pre-start up safety reviews and process analysis.
- Environmental issue responsibility: Environmental spills, Hazardous Materials, Call Outs and Crisis Communication (CEPA & E2 Plans).
- Support the EH&S team through active participation in the development of EH&S safety programs and plans to support Suncor's ongoing commitment to the Journey to Zero injuries program.

Emergency Response Officer

- Paramedic, Medical Clinic and firefighter duties provided at Suncor Energy Oil Sands, Fort McMurray and In-situ, Firebag.
- Active daily involvement with WCB Policies & Procedures (referrals, diagnosis, initial/re-visit medical – occupational & non-occupational classification, short & long term disability involvement).
- Perform a wide variety of duties relating to fire, medical, security, hazmat and environmental monitoring, oil response preparedness and training according to standard practices and procedures.
- Provide leadership and training to personnel while ensuring the effective choice and application of appropriate fire and medical response tactics and techniques at the scene.

City of Calgary Fire Department

02/2006 – 11/2006

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Firefighter

- Emergency Response, fire ground operations, pump operations, primary searches, ventilation, interior attack, salvage/overhaul, pre-hospital care, vehicle extrication, fire prevention/inspections, training/drills, public relations, aircraft rescue, hazardous materials, high angle, urban search and rescue and administrative duties.

City of Calgary Emergency Medical Services Advanced Care Paramedic

03/1999 – 02/2006

- Provide treatment and transport to emergent medical requests, inter-facility transfers and facility based medical support with the Calgary Zone and the Province of Alberta. Provided Alberta Residents with the highest quality Advanced Cardiac Life Support (ACLS) services in accordance with legislation. A patient advocate who effectively communicated and interacted with other allied health care professionals and public safety partners.
- Incident analysis training/conducting (Calgary EMS – Medical Examiner's Office fatality classification).

Crowsnest Pass Emergency Medical Services – Industrial Advanced Care Paramedic

01/2004 – 11/2006

- Provide advanced care paramedical services in the industrial setting.
- Experience in a variety of settings that were in the oil & gas sector: Remote drilling sites, Production (Oil Sands Mining & InSitu), H2S, Natural Gas and Well site services in Northern Alberta and BC. Some clients include: EnCana, CNRL and Husky Oil.

Grande Prairie Regional Emergency Medical Services Flight Paramedic

03/1998 – 03/1999

- Provided advanced care flight paramedic duties for STARS (formerly Northern Life Flight).

EDUCATION

- Bachelor of Applied Business: Specializing in Emergency Management, with Distinction *2011*
- Canadian Registered Safety Professional & Certified Emergency Manager (currently completing). *2014*
- Texas – TEEEX Advanced Industrial Firefighter. *2007*
- National Fire Protection Assoc. Standard 1001,1003,1006 Fire Fighter Level II *2006*
- Emergency Medical Technician – Paramedic, S.A.I.T., Calgary, AB. *1994-1998*
- Advanced High School Diploma, John G. Diefenbaker H.S., Calgary, AB. *1991*

SPECIALIZED KNOWLEDGE & SKILLS

- ~ Emergency Services Management
- ~ Risk Management
- ~ Ethics for Emergency Services
- ~ Interpersonal Communications
- ~ Organizational Behaviour
- ~ Team Leadership & Development
- ~ Financial Statement Analysis
- ~ Statistics for Administrators
- ~ Resource Management
- ~ Legal Issues in Emerg Services
- ~ Labour Relations/Contract Law
- ~ Future of Leadership
- ~ OH&S Programs Development
- ~ Emergency Services Administration
- ~ Public Relations/Media Skills
- ~ Crisis Communication
- ~ Human Resources Management Emergency Services
- ~ Accounting Principles
- ~ Capital Budgeting
- ~ Strategic Business Planning
- ~ Personal Performance Management
- ~ Critical Thinking
- ~ Critical Incident Stress Management
- ~ Reflective Thinking
- ~ Advanced Cardiac Life Support
- ~ Aircraft Rescue Fire Fighting
- ~ Calgary Fire Dept. HazMat Awareness
- ~ Pediatric Advanced Life Support
- ~ Advanced Basic Trauma Life Support
- ~ Calgary Fire Dept. HazMat Operations

- ~ HazMat Paramedic Team (1st in Canada)
- ~ Incident Command System 100,200,300
- ~ Flight Paramedic, Aeromedical Evacuations

- ~ High Angle Rescue Tech
- ~ Emergency Operations Centre Management
- ~ Crew Chief, City of Calgary, Cochrane & Grande Prairie EMS

PROFESSIONAL & RECREATIONAL AFFILIATIONS

- ~ Canadian Society of Safety Engineers (CSSE)
- ~ Alberta College of Paramedics Association
- ~ Health Sciences Association of Alberta
- ~ Heart and Stroke Foundation of Canada
- ~ C.U.S.A. Calgary United Soccer Association
- ~ Lakeland College
- ~ International Association of Firefighters.
- ~ Emergency Cardiac Care Task Force, GPREMS
- ~ S.A.I.T. Alumni Association
- ~ N.C.A.A Calgary Junior Hockey League Alumni

AWARDS

City of Calgary – Employment Recognition Awards

Rutherford Scholarship - Awarded on the basis of consistent academic merit in High School.

Northwest Athletic Association Scholarship – Calgary Junior Hockey League (C.J.H.L.)

Calgary Old Time Hockey Players Association – Sweeney Schriner Memorial Scholarship