

MEGAN SUTTON

BSc., E.I.T.

ACADEMIC QUALIFICATIONS

University of Alberta
MEng., Engineering Management, in progress

University of Alberta
BSc., Materials Engineering, 2009

CONFERENCES, MEETINGS AND TECHNICAL TRAINING

- University of Alberta, Department of Chemical and Materials Engineering - *Welding Fundamentals*, Edmonton, Alberta, September - December 2011
- Global Innovative Campus - *Requirement of Materials by Piping Code ASME B31.3 Webinar*, Edmonton, Alberta, October 2011
- Codes and Standards Training Institute (CASTI) - *ASME Section IX - Welding Codes and Metallurgy*, Edmonton, Alberta, April 2011

PROFESSIONAL ASSOCIATIONS

- Member-in-Training, Association of Professional Engineers, Geologists, and Geophysicists of Alberta (APPEGA)
- Member, ASM International
- Member, American Welding Society (AWS)

WORK EXPERIENCE

Anderson Associates Consulting Engineers Inc. Sept. 2009 – Present
Materials Engineer-in-Training/Metallurgical Laboratory Supervisor
Edmonton, Alberta

- Material failure analysis on mechanical parts and equipment including oilfield downhole tools, drill pipe, steel/polymer/glass fiber reinforced pipelines, and welded components.
- Metallurgical analysis including microstructure and coating evaluation, microhardness testing, and weld assessment.
- Welding procedure qualification
- Corrosion analysis and testing.
- Quality assurance testing and procedures.
- Heat treatment of carbon, alloy, stainless steels and nickel alloys.
- Materials testing and selection.
- Failure investigations on components including gas lines, filters, and plumbing lines
- Non-destructive evaluation.
- Motor vehicle accident reconstruction.

Blade Energy Partners, Ltd.

May – Aug 2008

Engineering Intern

Houston, Texas

- Coordinated corrosion testing for sour service drilling materials.
- Assisted in the research and development of a drilling materials database.
- Developed a laboratory space for failure analysis.
- Participated in weekly engineering progress meetings.
- Formal presentation to engineers outlining new laboratory space and corrosion test results.

Anderson Associates Consulting Engineers Inc.

May – Aug. 2006

Engineering Student

May – Aug. 2007

Edmonton, Alberta

- Conducted quality assurance testing.
- Metallographic sample preparation.
- Assisted in motor vehicle accident (MVA) reconstruction investigations.
- Surveyed roadways for MVA examinations.
- Prepared PowerCADD drawings for MVA investigations.
- Metallurgical sample preparation and testing for material failure analysis.