

RESUME OF QUALIFICATION AND EXPERIENCE

CORY PAWL, P.ENG., C.F.E.I.
17510 - 102 Avenue
Edmonton, Alberta
T5S 1K2

EMPLOYMENT HISTORY

2012 – Present **ALLAN R. NELSON ENGINEERING (1997) INC., Edmonton, Alberta**
Mechanical Engineer

- Responsible for overseeing entire projects from concept to finished project including fabrication drawings.
- Pressure calculations for CRN application for pressure fittings using ASME B31.3, B31.1, and Section VIII.
- Develop manufacturing procedures and inspection criteria.
- Pressure calculations for mud pump piping systems.
- Insurance work, including, but not limited to Fire and Explosion investigations, valve/electrical/bearing and other equipment failures leading to fire, analysis of structural failure due to improper design or manufacture, investigation of mechanical failure of tools and equipment, for Oilfield, and Commercial.
- Carry out engineering analysis on structures and associated equipment for drilling and service rigs.
- Design oilfield equipment and structures according to API Specifications and CAODC Recommended Practices.
- Perform failure analysis of oilfield equipment and other industries.
- Prepare drawings using AutoCAD, SolidWorks, and FEA analysis using S-Frame and ANSYS.
- Conduct equipment and structural inspections according to CAODC Recommended Practices or applicable standards.
- Prepare engineering reports for inspections, instruction, and failure analysis intended for customer use.
- Root cause analysis of failed equipment using various engineering tools.

2010 – 2012 **WIKA INSTRUMENTS LTD., Edmonton, Alberta**
Production Engineer – Mechanical Engineering

- Design, test and develop operating procedures for pressure testing (pressure vessels, piping, etc.) and supporting equipment (ASME Section VIII and B31.3).
- Provide engineering support to sales and shop personnel; execute technology development; execute design cost reduction projects for pressure and temperature gauges.
- Provide engineering support for WIKA Products.
- Provide technical expertise to individuals performing pressure and temperature engineering worldwide.
- Support technical qualification of component vendors, including support for ongoing material containment initiatives.
- Keep needed product certifications current with governing bodies.
- Preparation of calculations and design packages for submission to ABSA for a design registration to obtain a CRN's (Canadian Registration Numbers).
- Creating pressure testing procedures as per applicable Codes (ASME Section VIII and B31.3).
- Development and maintenance of welding procedures.

Cory Pawl, P.Eng.

PROFESSIONAL AFFILIATIONS

- Professional Member of Association of Professional Engineers and Geoscientists of Alberta (APEGA)
- Certified Fire and Explosion Investigator (NAFI)

EDUCATION

B.S. Degree, Mechanical Engineering, University of Alberta, Edmonton, Alberta (2010)