

QUALITY CONTROL & QUALITY ASSURANCE

Box 160, Lampman, Saskatchewan S0C 1N0
Ph: (306) 487-2281 Fax: (306) 487-3235

Carson Energy Services Ltd. has developed and implemented a Quality Assurance system which covers ASME (Pressure Vessel and Piping), CSA (Pipeline) and CWB (Structural) welding.

Safe work procedures are an integral part of the QA program.

CANADIAN WELDING BUREAU CERTIFICATION

Carson Energy Services Ltd. is registered with the Canadian Welding Bureau, qualifying the company to CSA Standard W47.1, Division 2.

All of the company's qualified welders are registered with the Canadian Welding Bureau.



REGISTERED QUALITY CONTROL PROGRAM

Carson Energy Services Ltd. complies with the provisions of the Boiler and Pressure Vessel Act and Regulations. The company is authorized to fabricate pressure vessels, fittings and pressure piping, and to repair and alter pressure vessels, fittings and pressure piping in accordance with the following standards:

- ASME Section VIII, Division I for Pressure Vessels
- ASME B31.1 for Power Piping
- ASME B31.3 for Process Piping
- CSA B51 for Category A, E, H Fittings
- ASME Section I for Power Boilers
- ASME Section IV for Heating Boilers
- Boiler and Pressure Vessel Act and Regulations

Carson Energy Services Ltd. is authorized for this work at all CES locations and field sites.



A REPUTATION BUILT ON QUALITY

Carson Energy Services Ltd. has around 40 full time welders and access to many more if required for future work. Carson Energy Services Ltd. is known and respected by welders in Alberta, Saskatchewan and Manitoba. Some of Carson Energy's in house welders have a history of over 30 years with the company.

MANUALS

Carson Energy Services Ltd. has an approved Quality Control Manual for the manufacture and repair of pressure piping and vessels. We also have Registered Weld Procedures to cover all types of carbon and stainless steel welding. The manuals and procedures are registered with:

- Government of Saskatchewan
- Alberta Boilers Safety Assoc.
- Manitoba Labour & Immigration
- British Columbia Safety Authority

Carson Energy Services Ltd. has a Pipeline Quality Control Manual that follows CSA Z662.

Carson Energy Services Ltd. has an internal Quality Assurance Manual that is utilized on projects to ensure compliance with clients QC/QA requirements.

Carson Energy Services Ltd. also has developed a Safe Work Procedure Manual, which details procedures designed to accomplish tasks in a safe manner.

We have also implemented Quality Management Principles where applicable and justified, but is not ISO certified as the certification is based on a single location and is not appropriate for field fabrication.

Carson Energy Services Ltd. has a full time Quality Control Manager, Quality Control Coordinator as well as many Quality Control Representatives to manage and meet our QC program.

Welders, supervisors and designates are trained and oriented to comply with our QC program as an ongoing part of the company practice.

QUALITY CONTROL INSPECTIONS

In order to maintain the highest standards in welding code assurance, Carson Energy Services Ltd. employs two Certified Engineering Technologists, as well as personnel that range from CWB Level I Welding Supervisors up to Level III Welding Inspectors. These personnel are responsible for managing the quality control pertaining to welding, and ensure that all work meets all current standards as set down by the government and relevant ASME and CSA codes.

To find out more about how Carson Energy Services' QC/QA process can play an integral role in your upcoming projects, please contact:

Tyler Adams, A. Sc.T, M.E.T.
Project Fabrication/QC Management
Phone: (306) 487-4116
Cell: (306) 487-7463
Fax: (306) 487-3235
tadams@carsonenergyservices.com