



rpc

SCIENCE & ENGINEERING

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Medical Gas Certifications

RPC has over 30 years of experience providing medical gas certifications in the Atlantic provinces for all new and renovated medical gas piping systems. RPC is Atlantic Canada's only accredited inspection body recognized by the Standards Council of Canada for the inspection of Medical Gas Piping Systems for compliance with CSA Z7396.1-17 standards.

Analyses of medical gases for purity to the requirements of the CSA standard are performed in our independent air quality services laboratory. Medical gas sample analysis can be completed 24 hour rush, 48 hour rush, or standard 7 day. The air quality services laboratory also provides semi-annual purity analysis on medical air from compressor systems and oxygen concentrator systems as required by the standard.

Our experienced staff can work with you by performing a pre-construction review of your mechanical plans for medical gas piping systems. With our assistance, mechanical drawings for new and renovated construction can be assured of compliance to the standard with all the necessary components before construction begins. A preliminary site visit to verify construction to drawings can also be arranged to ensure compliance to the standard before the pipeline system is closed in the walls eliminating costly repair. Certification by RPC includes an in-depth report that indicates the status of the system and its conformance or non-conformance to the requirements of the relevant CSA standard.

Services

- Review of mechanical drawings for compliance to relevant standards
- Semi-annual purity testing of compressor based systems and oxygen concentrators
- Annual pipeline maintenance inspections
- Certification of new source units, new facilities and renovated pipeline systems
- Preliminary on-site inspections

Facilities/Equipment

RPC's medical gas inspections team provides fast service by maintaining a mobile testing unit that allows for fast service. Equipment includes:

- Flow testing apparatus including precision digital gauges
- Viasensor G100 Carbon Dioxide Analyzer and G210 Medical Gas Analyzer
- All-2000 Oxygen Analyzer
- Reed Instruments R8050 Sound Level Meter

Contact

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RPC's Quality Management System is registered to ISO 9001:2015.