

Sub-Form for Gas Design Registration: Fueling Stations

Payment Card Industry Data Security Standards prevent the use of credit card information sent through email or fax. A Client Service Representative will contact you within three business days to complete any payment process required.

Note: Any personal information collected is handled in accordance with the British Columbia *Freedom and Protection of Privacy Act*. If you have questions about the collection, use, or disclosure of this information, contact the Records, Information and Privacy Analyst for the Technical Safety BC at 1-866-566-7233.

Please note: Designs may be submitted electronically by e-mail or mailed in on a data CD or data DVD. All electronic documents must be in PDF or Word formats and scans must be legible. Picture files need to be in standard formats and must be clear. Hard copy submissions shall include two copies of all data. Designs must be made by a Certified Professional acceptable to the Authority.

Designs are required for Propane Fleet installations above 1000 Gallons and All Retail and Card lock installations.

All other gas types are required irrespective of size.

Type of Installation:		<input type="checkbox"/> VRA Residential	<input type="checkbox"/> Fleet Fueling System	<input type="checkbox"/> Public Fueling System
Type of Gas / Fuel:		<input type="checkbox"/> VRA Commercial	<input type="checkbox"/> Time Fill System Fleet	<input type="checkbox"/> Other Specify Below
Number of Dispensers:	Dispensing Pressure PSIG:	Gas Supplier:		
Number of Storage Vessels:	Gas Storage Type:	Total Storage Volume:		<input type="checkbox"/> Liters <input type="checkbox"/> Gallons
Storage Tank 1 Size:	CRN:	Fill Volume:		<input type="checkbox"/> Liters <input type="checkbox"/> Gallons
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Storage Tank 1 Size:	CRN:	Fill Volume:		<input type="checkbox"/> Liters <input type="checkbox"/> Gallons
Number of compressors:	Manufacturer:			
<input type="checkbox"/> Cascade or Buffer Storage	Number of cylinders:	Pressure PSIG:	Cylinder Type: <input type="checkbox"/> DOT <input type="checkbox"/> ASME	

Drawings:

Site layout P&ID

1. Showing classified zones and clearances
2. Piping layout and relief vent termination locations.
3. Protection of tank, piping and dispensers
4. Drainage openings (Propane and LNG)
5. Containment and site grading (LNG)
6. Show location of E stops, and fire protection, gas detection as required.

Specification information sheets:

1. Valve, component and control specifications, ratings and certification

(cut sheets may be used but must be marked up to indicate the specific variations employed)

Check the codes below used in your design, also available on the gas design web page are code check off sheets for your use. You may use them and include the file in your design.

- NFPA 52-2013 Vehicular Gaseous Fuel Systems Code (replaces NFPA 57) - considered a best practice document.
- CSA Z276-11 Liquefied natural gas (LNG) - Production, storage, and handling Code. - considered a best practice.
- CSA-B108-99 Natural Gas Fueling Stations Installation Code - considered a best practice document for these applications.
- CSA-B109-01 Natural Gas for Vehicles Installation Code - adopted under regulation.
- CSA Z662-11 Oil and gas pipeline systems Code - adopted under regulation.
- CSA B149.1 Natural Gas/Propane Installation Code - adopted under regulation.
- CSA B149.2 Propane storage and handling Code - adopted under regulation.
- CSA B149.5-10 Installation code for propane fuel systems and tanks on highway vehicles installation code for propane fuel systems and tanks on highway vehicles.

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