

Sub Form for Gas Design Registration: Bulk Storage

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.

Type of Installation:		<input type="checkbox"/> Bulk Storage	<input type="checkbox"/> Gas Distribution System (Grid)	(Select One):		<input type="checkbox"/> Temporary
		<input type="checkbox"/> Propane Backup System	<input type="checkbox"/> Other (Specify Below)			<input type="checkbox"/> Permanent
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Type of Gas / Fuel:		<input type="checkbox"/> Natural Gas	<input type="checkbox"/> Propane	<input type="checkbox"/> LNG		
Number of Meters: _____		System Pressure PSIG: _____		Gas Supplier: _____		
Number of storage vessels: _____		Gas Storage Type: <input type="checkbox"/> Liquid Storage		<input type="checkbox"/> Vapor Storage	<input type="checkbox"/> From Grid	<input type="checkbox"/> Cryogenic Storage
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
Storage Tank 2 Size:		CRN:		Fill Volume:		<input type="checkbox"/> Liters <input type="checkbox"/> Gallons
Storage Tank 3 Size:		CRN:		Fill Volume:		<input type="checkbox"/> Liters <input type="checkbox"/> Gallons
Storage Tank 4 Size:		CRN:		Fill Volume:		<input type="checkbox"/> Liters <input type="checkbox"/> Gallons
Number of compressors: _____		Manufacturer: _____				
<input type="checkbox"/> Vaporizer (list manufacturer below)	Number of Vaporizers: _____		Pressure PSIG: _____		Cylinder Type: <input type="checkbox"/> DOT <input type="checkbox"/> ASME	
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<input type="checkbox"/> Air Mixer (list manufacturer below)	Pressure PSIG: _____					
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Drawings

Site layout P&ID

1. Showing classified zones and clearances
2. Piping layout and relief vent termination locations.
3. Protection of tank, piping.
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 used in your design below. 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.

- CSA Z276-11 Liquefied natural gas (LNG) - Production, storage, and handling Code. - considered a best practice.
- 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.

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