

Field Approvals and Permits

This bulletin has been jointly developed by Safety Services and the Gas Technical Council to inform owners, designers, engineers, vendors, builders, installers, contractors, equipment rental and leasing companies of the minimum requirements to ensure safe installation of gas appliances in Alberta. Under the **Safety Codes Act and Regulations** it is the responsibility of the above parties to ensure that the design, installation and operation of equipment comply with the specified Acts and Regulations.

Oil and Gas Industry

ITEM	SCOPE	PRESSURE - Psig (kPag) VOLUME - m ³	ACT	DESIGN CODE	REGISTRATION	GAS FIELD APPROVAL	GAS PERMIT REQUIRED
1	Process gas piping	≥ 15(103) ≥1/2	Safety Codes Act	ASME B31.3	ABSA	N/A	NO
2	Fuel/process gas piping supplying gas to fuel burning equipment	≥ 15(103) ≥1/2	Safety Codes Act	ASME B31.3	ABSA	N/A	NO
3	Fuel/process gas piping supplying gas to fuel burning equipment	< 15(103) < 1/2	Safety Codes Act	ASME B31.3	N/A	N/A	NO
4	New fuel gas piping	≤ 66 (455)	Safety Codes Act	CSA B149.1 CSA B149.2	N/A	N/A	YES
5	Existing fuel gas piping	≤ 66 (455)	Safety Codes Act	CSA B149.1 CSA B149.2	N/A	N/A	NO
6	New fuel gas piping	> 66 (455)	Safety Codes Act	B149.1 and Engineering	N/A	N/A	YES
	New fuel gas piping in a building	> 66 (455)	Safety Codes Act		N/A	N/A	YES
7	Existing fuel gas piping	> 66 (455))	Safety Codes Act		N/A	N/A	NO
	Existing fuel gas piping in a building	> 66 (455)	Safety Codes Act		N/A	N/A	NO
8	New uncertified equipment and appliance	ANY	Safety Codes Act	CSA B149.1 CSA B149.2 CSA B149.3	N/A	CB	NO
						IB	NO
9	Existing uncertified equipment and appliance modification, upgrade	ANY	Safety Codes Act	CSA B149.1 CSA B149.2 CSA B149.3	N/A	CB	NO
						IB	NO
10	Certified equipment and appliance installation or relocation	ANY	Safety Codes Act	CSA B149.1 CSA B149.2	N/A	N/A	YES

Last updated/reviewed July 2016

For more information, please call Municipal Affairs, Safety Services at 1-866-421-6929 or visit www.municipalaffairs.alberta.ca.

Gas Distribution Utilities

ITEM	SCOPE	PRESSURE - psig(kPag) VOLUME - m ³	ACT	DESIGN CODE	REGISTRATION	GAS FIELD APPROVAL	GAS PERMIT REQUIRED
1	Power piping	≥ 15(103) ≥ 1/2m ³	Gas Distribution Act Rural Utilities Act	ASME B31.1	ABSA	N/A	NO
2	Fuel/process gas piping supplying gas to fuel burning equipment	≥ 15(103) ≥ 1/2m ³	Gas Distribution Act Rural Utilities Act	ASME B31.3	ABSA	N/A	NO
3	Fuel/process gas piping supplying gas to fuel burning equipment	< 15(103) < 1/2m ³	Gas Distribution Act Rural Utilities Act	ASME B31.3	N/A	N/A	NO
4	New fuel gas piping	≤ 66 (455)	Gas Distribution Act Rural Utilities Act	CSA B149.1 CSA B149.2	N/A	N/A	YES
5	Existing fuel gas piping	≤ 66 (455)	Gas Distribution Act Rural Utilities Act	CSA B149.1 CSA B149.2	N/A	N/A	YES
6	New fuel gas piping	> 66 (455)	Gas Distribution Act Rural Utilities Act	CSA B149.1 CSA B149.2	N/A	N/A	YES
7	Existing fuel gas piping	> 66 (455)	Gas Distribution Act Rural Utilities Act	CSA B149.1 CSA B149.2 CSA B149.6	N/A	N/A	YES
8	New uncertified equipment and appliance	ANY	Gas Distribution Act Rural Utilities Act	CSA B149.1 CSA B149.2 CSA B149.3	N/A	CB	NO
						IB	NO
9	Existing uncertified equipment and appliance modification, upgrade	ANY	Gas Distribution Act Rural Utilities Act	CSA B149.1 CSA B149.2 CSA B149.3	N/A	CB	NO
						IB	NO
10	Certified equipment and appliance installation or relocation	ANY	Gas Distribution Act Rural Utilities Act	CSA B149.1 CSA B149.2	N/A	N/A	YES

Industrial and Commercial

ITEM	SCOPE	PRESSURE - psig(kPag) VOLUME - m ³	ACT	DESIGN CODE	REGISTRATION	GAS FIELD APPROVAL	GAS PERMIT REQUIRED
1	Process piping	≥ 15(103) ≥ 1/2m ³	Safety Codes Act	ASME B31.3	ABSA	N/A	NO
2	Fuel/process gas piping supplying gas to fuel burning equipment	≥ 15(103) ≥ 1/2m ³	Safety Codes Act	ASME B31.3	ABSA	N/A	NO
3	Fuel/process gas piping supplying gas to fuel burning equipment	< 15(103) < 1/2m ³	Safety Codes Act	ASME B31.3	N/A	N/A	NO
4	New fuel gas piping	≤ 66 (455)	Safety Codes Act	CSA B149.1 CSA B149.2	N/A	N/A	YES
5	Existing fuel gas piping	≤ 66 (455)	Safety Codes Act	CSA B149.1 CSA B149.2	N/A	N/A	NO
6	New fuel gas piping	> 66 (455)	Safety Codes Act	B149.1 and Engineering	N/A	N/A	YES
7	Existing fuel gas piping	> 66 (455)	Safety Codes Act	B149.1 and Engineering	N/A	N/A	NO
8	New uncertified equipment and appliance	ANY	Safety Codes Act	CSA B149.1 CSA B149.2 CSA B149.3	N/A	CB	NO
						IB	NO
9	Existing uncertified equipment and appliance modification, upgrade	ANY	Safety Codes Act	CSA B149.1 CSA B149.2 CSA B149.3	N/A	CB	NO
						IB	NO
10	Certified equipment and appliance installation or relocation	ANY	Safety Codes Act	CSA B149.1 CSA B149.2	N/A	N/A	YES

Pathways to Compliance	
Certification Body	<p>A Certification Body (CB), accredited by the Standards Council of Canada, may test and certify any appliance or equipment related to gas systems for which there is a recognized standard. CB's can also perform a special inspection and approval in the field for uncertified gas appliances and equipment. A special inspection is not intended to be used as a means to accept appliances and equipment when certified products of similar type are available. A field approval label attached by the CB will not allow the appliance or equipment to be moved to another location. A special inspection label will allow relocation. A gas permit is required for the installation of the appliance or equipment through the AHJ. A permit is not required for the uncertified appliance portion of the system that is within the scope of the CB.</p> <p>http://municipalaffairs.gov.ab.ca/documents/G-02-01a-Rev1-UncertifiedAppliancesSpecialInspections.pdf</p>
Inspection Body	<p>An Inspection Body (IB), accredited by the Standards Council of Canada, may inspect and accept one-of-a-kind and site specific installations only. Appliances and equipment of this type will need a third party Inspection Body for testing and approval every time it is installed or relocated. A gas permit is required for the installation of the appliance or equipment through the AHJ. A permit is not required for the uncertified appliance portion of the system that is within the scope of the IB.</p> <p>http://municipalaffairs.gov.ab.ca/documents/G-02-01a-Rev1-UncertifiedAppliancesSpecialInspections.pdf</p>
Existing Equipment	<p>All existing appliances, piping and equipment that were installed without the required permit will require compliance to current codes, a gas permit through the local Authority Having Jurisdiction (AHJ) and an inspection by a Safety Codes Officer in the gas discipline. Appliances and equipment that were exempted from the code, such as petroleum refineries and chemical plants or that were installed under a properly utilized province wide variance, will not require a permit.</p>

Permits can be obtained through the Authority Having Jurisdiction.

To determine who the AHJ may be, go to: <http://www.municipalaffairs.alberta.ca/permits>