

APPLICATION FOR FIELD APPROVAL OF GAS EQUIPMENT/APPLIANCES

Owner: _____ Address: _____ Phone: _____

LOCATION OF INSTALLATION

Urban: City/Town _____ Address: _____

Rural: R.M.# _____ Land Location: LSD _____ Sec _____ Twp _____ Rg _____ W of _____

APPLICANT

Company: _____ Phone Number: _____

Address: _____ Contact/Name: _____

LICENSED GAS CONTRACTOR

Company: _____ Phone Number: _____

Address: _____ Contact/Name: _____

Permit Number: _____

EQUIPMENT New appliance **OR** A replication of a previously approved unit **OR** Burner/manifold replacement

Manufacturer's Name: _____ Address: _____

Type of Appliance: _____ Year Built: _____

Type of Gas: Propane Natural Gas Casing Gas Other: _____

Is the fuel gas sour? Yes No See chart on back page for sour gas definition

Copper/Brass Fittings? Yes No

Serial Number: _____ (Required) Model Number: _____ (Required)

Supply Pressure: _____ (psig) Press. Downstream of Regulator: _____ (psig) Manifold Pressure: _____ (psig)

High Pressure Switch Setpoint: _____ (psig) Low Pressure Switch Setpoint: _____ (psig)

Main Max Input: _____ (Btu/hr) Pilot Max Input: _____ (Btu/hr) Type of Venting: _____

Fuel Train External Temperature Range: - _____ °C to + _____ °C Stack Temperature: _____ (degree Fahrenheit)

SEND NO MONEY, YOU WILL BE INVOICED. E-MAIL APPLICATIONS ARE PREFERRED.

ALONG WITH THE APPLICATION, PROVIDE DOCUMENTATION OF THE FOLLOWING ITEMS BY E-MAIL OR MAIL:

- | | |
|--|---|
| 1. A valve train schematic | 3. A bill of materials including model #, part # and name of manufacturer |
| 2. A ladder style electrical schematic | 4. A sequence of operation |

TO:

Douglas Hird, Senior Engineer, Gas Codes & Standards
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NOTE: APPROVAL PERTAINS TO THE FUEL RELATED COMPONENTS AND ACCESSORIES AND THEIR ASSEMBLY ON AN APPLIANCE UTILIZING GAS. THIS DOES NOT INCLUDE APPROVAL FOR ELECTRICAL OR MECHANICAL DESIGN.

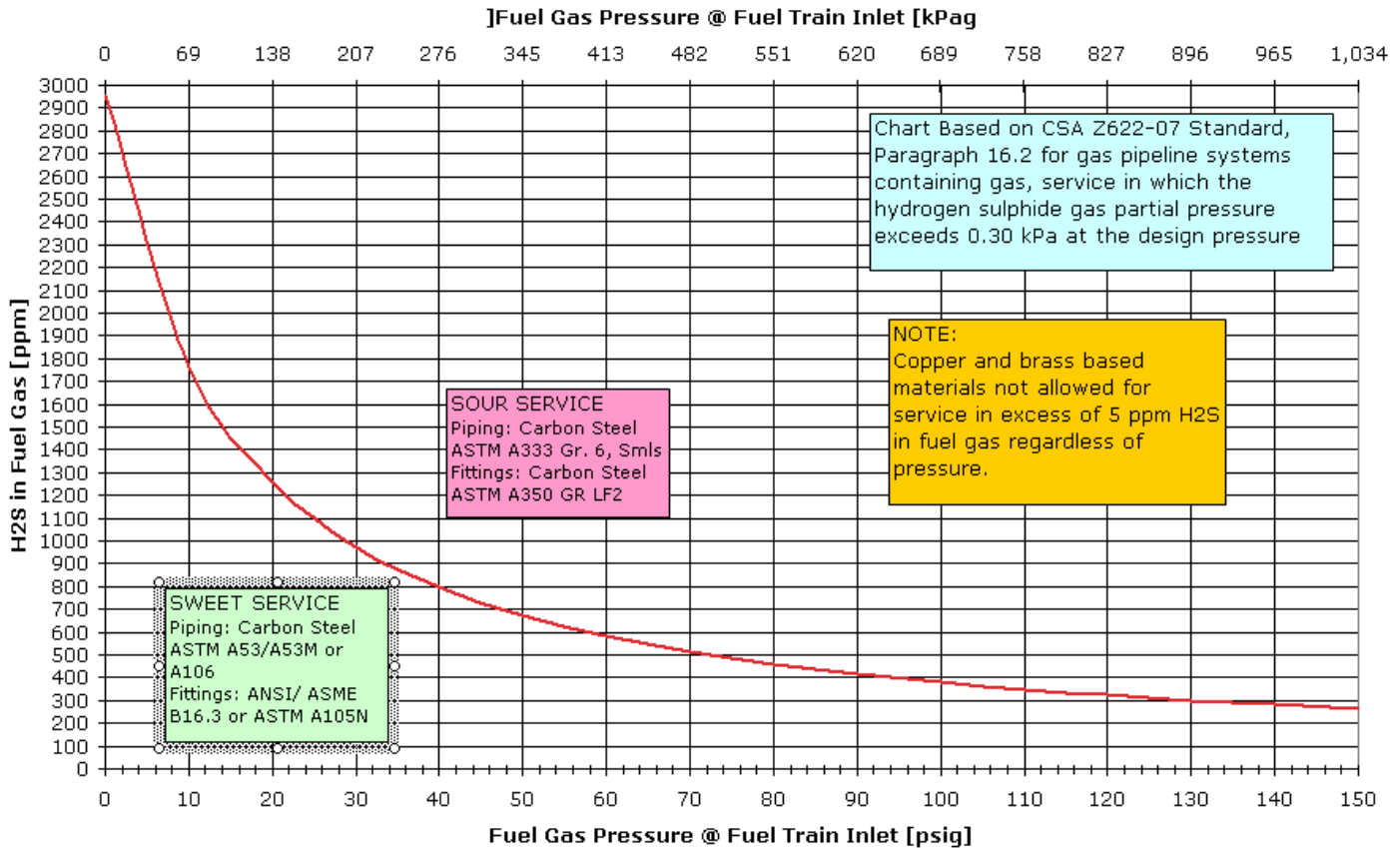
For TSASK Use Only:

Inspection District: _____ Inspector: _____ Label Number: _____

Permit Number: _____ Approved Application: _____ Date: _____

FIELD APPROVAL FEE: _____ (includes GST) INVOICE DATE: _____

Sour Gas H2S Limit in Fuel Gas Piping



| Inlet Pressure psig | Inlet Pressure kPag | Inlet Pressure kPa Abs | Max H2S partial pressure kPa abs | Molar fraction 1 | Max H2S allowable ppm |
|------------------------|------------------------|---------------------------|-------------------------------------|---------------------|--------------------------|
| 0 | 0 | 101.3 | 0.3 | 0.0029615 | 2962 |
| 10 | 68.94 | 170.24 | 0.3 | 0.001762218 | 1762 |
| 20 | 137.88 | 239.18 | 0.3 | 0.001254285 | 1254 |
| 30 | 206.82 | 308.12 | 0.3 | 0.000973647 | 974 |
| 40 | 275.76 | 377.06 | 0.3 | 0.000795629 | 796 |
| 50 | 344.7 | 446 | 0.3 | 0.000672646 | 673 |
| 60 | 413.64 | 514.94 | 0.3 | 0.000582592 | 583 |
| 70 | 482.58 | 583.88 | 0.3 | 0.000513804 | 514 |
| 80 | 551.52 | 652.82 | 0.3 | 0.000459545 | 460 |
| 90 | 620.46 | 721.76 | 0.3 | 0.000415651 | 416 |
| 100 | 689.4 | 790.7 | 0.3 | 0.000379411 | 379 |
| 110 | 758.34 | 859.64 | 0.3 | 0.000348983 | 349 |
| 120 | 827.28 | 928.58 | 0.3 | 0.000323074 | 323 |
| 130 | 896.22 | 997.52 | 0.3 | 0.000300746 | 301 |
| 140 | 965.16 | 1066.46 | 0.3 | 0.000281305 | 281 |
| 150 | 1034.1 | 1135.4 | 0.3 | 0.000264224 | 264 |