

GAS DESIGN REGISTRATION SUB-FORM: MOVIE AND STAGE EFFECTS

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"/> Propane Cannons	<input type="checkbox"/> Fire Pits	<input type="checkbox"/> Flame Bars Portable	<input type="checkbox"/> Flame Bars	<input type="checkbox"/> Flame Dragons
Type of Gas / Fuel:	<input type="checkbox"/> Large Indoor Flame Effects		<input type="checkbox"/> Other: _____		
Gas Storage Type:		Total Storage Volume on Site:			
Number of Cylinders:	Number of Storage Vessels:	Operating Pressure of Effect PSIG:	Operating Pressure of System PSIG:		
Gas Supplier:					

Note: All pressure vessels shall be DOT or ASME rated for the operating pressure

Drawings

1. Site layout P&ID (Show location of E stops, and fire protection, gas detection if required).
2. Showing classified zones and clearances
3. Piping layout and relief vent termination locations.
4. Protection of tank, piping and effects
5. DMX control layout and operation plan or if manually controlled detailed safety plan for control.
6. Show compliance to NFPA 160 Standard for the Use of Flame Effects before an Audience.
7. Listing of qualified persons operating and setting up effects
8. For large indoor effects a heat and ventilation plan must be submitted.
9. Detailed specifications of effect appliances.

Check below the codes 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 160 Standard for use of flame effects before an audience. Best practice
- CSA B149.1 Natural Gas/Propane Installation Code - adopted under regulation.
- CSA B149.2 Propane storage and handling Code - adopted under regulation.
- CSA B149.3 Field approval code for appliances

Technical Safety BC is working towards going paperless! Participate by signing up for email correspondence.