



## Liquefied Petroleum Gas (LPG) Checklist / SPS 340.50 / NFPA 58 – 2011 Ed.

Initial   
  2<sup>nd</sup>   
  3<sup>rd</sup> Inspection

Owner: \_\_\_\_\_ Address: \_\_\_\_\_ Phone: \_\_\_\_\_

Site: \_\_\_\_\_ Address: \_\_\_\_\_ E-mail: \_\_\_\_\_

New   
  Used /Secondhand   
  AG   
  UG   
  Bulk Storage   
  Mfg   
  Process   
 MAWP: \_\_\_\_\_   
 U-68 / U69

Manufacturer: \_\_\_\_\_ N.B. / Serial #: \_\_\_\_\_ YR: \_\_\_\_\_ WGC: \_\_\_\_\_ SA: \_\_\_\_\_ (sq ft)  
 (Circle one)

LPG Bulk Storage System    SPS 340.40(1)(b)4 adopts ..... NFPA 58 - 2011		
SPS or NFPA Par	Std Par #	Item Description and Comments
<b>Pipe, Tubing, and Fittings - Appurtenances</b>		
6.9.3.1		Acceptable Materials per ANSI-B31.3 Joints (See ANSI B31.3 for design)
6.9.3.5		Threaded at least sch. 80 ( <i>see Tbl. 6.9.3.5</i> ) Welded at least sch. 40
6.9.3.2		Welder qualified to ASME Section IX Weld document WPS, PQR & WPQ
6.7.2		Pressure relief installation
5.7.2.9		Pressure relief (set; S-T-L; mfg. & model #)
5.7.2.5		ANSI/UL 132 rated & stamped
5.7.2.5 (A)		Set pressure not to exceed tank MAWP
5.7.2.6		Capacity per surface area ( <i>Table 5.7.2.6</i> )
5.7.4.2 & 6.12.1 thru .11		Excess flow valve
5.7.4.2 & 6.11.1 thru .5		Internal valves
5.7.4.2 & 5.7.7		Back check valve
5.7.4.4 (2) (3)		Fixed, Float, Slip tube, Rotary gauge
5.7.4.4 (4) & 5.7.8.7		Pressure gauge
5.7.4.4 (5)		Temperature gauge
6.12.10.2 (2)		"ESV" egress path distances
6.12.7		ESV Thermal links NO PAINT
6.13		Hydrostatic relief - 350 PSI or less
5.7.8.5		Shut-off valves (vapor & liquid labeled)
5.7.8 (G)		Shut-off valves Within 6 ft of ground or provide access
6.6.3.2		Interconnected tanks all at a max fill level
<b>SPS 340.41</b>		
5.2.4.2		Design - secondhand vessel MAWP ( <i>see Tbl. 5.2.4.2</i> )
5.2.1.1		ASME constructed w / MDR
5.2.2 thru 5.2.2.2		DOT Cylinder w / date stamping
5.2.8.3(C)		Nameplate – proper, legible, attached
5.2.1.6		Welded Repairs & Alterations
40.45		R or Alt Nameplate attached
5.2.1.4		Tank Condition serious dents, bulges or corrosion
6.6.1.4		Properly paint / light color recommended
5.7.4.2 (A) thru (I)		Tank connections
5.2.5 .1		Tank openings
<b>Foundation / Supports</b>		
6.6.3.1 (A) thru (G)		Horizontal ASME (see Tbl. 6.6.3.3)
6.6.3.5		expansion joint material corrosion protect
6.6.4.1		Vertical ASME
6.6.4.3		Steel support fireproofing vertical

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Owner Installer: \_\_\_\_\_

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<b>Set-Back and Separation Requirements</b>		
6.3.1		Important Building <i>(See Table 6.3.1)</i>
6.3.2		Buildable property line <i>(See Table 6.3.1)</i>
		Adjacent LPG tanks <i>(See Table 6.3.1)</i>
6.4.5.12		Overhead electrical lines (>600 volts)
6.4.5.4 - .5		Adjacent fuel storage tanks
<b>Transfer Point</b>		
6.5.1.1		Outdoor location or from shelter, canopy
6.5.1.2		Inside location shall comply w/ Chap. 10
6.5.3 6.5.4		Transfer point exposure distance
Tbl 6.5.3 E		Public assembly ~ athletic fields.50'
Tbl 6.5.3 A		Buildings ~ w / fire resistive walls 10'
Tbl 6.5.3 B		Buildings ~ w/o fire resistive walls 25'
Tbl 6.5.3 J/K		Other flammable liquids 10 or 20'
Tbl 6.5.3 F		Highway, street & sidewalk 10'
<b>Misc.</b>		
4.4		LPG transfer personnel training
6.25.3.1 thru 6.25.3.6		FSA -Product release prevention incident preparedness review
14.3.1 thru 14.3.2.5		Maintenance procedures & Manuals
14.2.1 thru 14.2.2.3		Operating procedures and Manuals
6.6.5		Temporary installation (Max. 12 mo)
6.9.3.10		Piping damage protection
6.18.4.2 (C)		Protection against tampering via locks
6.18.4.2 (A) & (B)		Fence 6' high, 2 entry gates, 3' clearance
6.4.5.2		Clear of combustibles, dry grass within 10'
6.4.5.3		Under tank graded or dikes
6.25.4.2		Fire Protection – 18# with B-C rating
SPS 341.72		Vessels from out of state Second Hand
SPS 340.32(2)		Additions or modifications after operations
6.18.5		Lighting for night ops
6.21 thru 6.21.3.6		Vaporizers
6.24.2.1 & .2		Dispenser location
6.24.3.1 thru .15		Dispenser general provisions
6.24.1 thru .3		Dispenser Installation
Additional Notes:		