

**CHECK LIST FOR STATIONARY LNG INSTALLATION PROPOSALS**

Application received: Date \_\_\_\_\_ 14.2040(b)

Installation File Name \_\_\_\_\_

Installer's License No. \_\_\_\_\_ Category 30 or 35 (circle one) Expires \_\_\_\_\_

Filing Fee Rec'd  \$50 PCN \_\_\_\_\_ Resub. Fee Rec'd  \$30 PCN \_\_\_\_\_

Type of Installation: \_\_\_\_\_

Aggregate WC of current storage \_\_\_\_\_ Number of tank(s) to be installed \_\_\_\_\_

Size of tank(s) to be installed \_\_\_\_\_ Total WC upon completion \_\_\_\_\_

Description of existing LNG containers usage: \_\_\_\_\_

Container Information complete? YES  NO

Mfg's Name: Tank 1 \_\_\_\_\_, Tank 2 \_\_\_\_\_, Tank 3 \_\_\_\_\_

Serial No.: Tank 1 \_\_\_\_\_, Tank 2 \_\_\_\_\_, Tank 3 \_\_\_\_\_

Water Capacity: Tank 1 \_\_\_\_\_, Tank 2 \_\_\_\_\_, Tank 3 \_\_\_\_\_

Year Built: Tank 1 \_\_\_\_\_, Tank 2 \_\_\_\_\_, Tank 3 \_\_\_\_\_

Working Press: Tank 1 \_\_\_\_\_, Tank 2 \_\_\_\_\_, Tank 3 \_\_\_\_\_

Container(s) to be installed: NEW  USED  BOTH

Information needed to verify container status: Mfg Data Rpt.  Form 2008

Received:  Date: \_\_\_\_\_ 14.2104(a - c)

Existing or proposed electric transmission lines within 150' of proposed installation? YES  NO

If YES, container to Elec. Tran. Lines: Listed?  Distance \_\_\_\_\_ '  14.2110(c) - 6'

**Installation Site Plan**

Site plan submitted?

Plans and specifications sealed by a registered professional engineer? YES  NO

**Uniform Protection Requirements 14.2101:**

Do plans describe the facility's property or a 250' diameter from the proposed container's location, whichever is smaller? YES  NO

Container location indicated?

If individual distances are not listed then is a scale or legend included? YES  NO

Do plans show fencing and/or guardrail installation? YES  NO

If YES, is the proposed fencing/guardrail installation in compliance with 14.2101(a-f)? YES  NO

Do the plans indicate the proper signage required by 14.2101(g):

- NO SMOKING OR OPEN FLAMES – Red capital letters, 2", white background: YES  NO
- FLAMMABLE GAS – Red capital letters, 4", white background: YES  NO
- NO TRESPASSING AUTHORIZED PERSONNEL ONLY – Black capital letters, 4", white background: YES  NO
- EMERGENCY SHUTDOWN – White capital letters, 2", red background: YES  NO
- PRESSURE RELIEF DEVICE SET AT \_\_\_\_\_ – letters 2"
- Name of Licensee – letters 4"

Do the plans indicate at least two monitoring sensors as required by 14.2101(h)? YES  NO

**Distance Requirements** per 14.2110(a):  $\leq 15,540 = 25'$ ,  $15,541 - 93,240 = 50'$ ,  $\geq 93,241 = 100'$  :

Container to bldg's & structures: Listed?  Distance \_\_\_\_\_'

Container to property lines: Listed?  N \_\_\_\_\_'  S \_\_\_\_\_'  E \_\_\_\_\_'  W \_\_\_\_\_'

Container to any stationary source of ignition: Listed?  Distance \_\_\_\_\_'

Location & distances of any electrically operated material handling equipment (pumps, compressors, etc.): Listed?  Distance \_\_\_\_\_'

Container to other type fuel containers: Listed?  Distance \_\_\_\_\_'

Adjacent Underground Container's in Multi-container installation: Listed?  Distance \_\_\_\_\_'  15'

Does the installation include LNG dispensers or points of transfer? YES  NO  *Point of transfer is defined as: The point at which a connection is made to transfer LNG from one container to another. (14.2007 (53))*

If Yes, then the following distances apply to each dispenser or point of transfer:

Buildings not associated with the LNG facility: Distance \_\_\_\_\_'  (25')

Line of adjoining property that can be built upon: (25')

N \_\_\_\_\_'  S \_\_\_\_\_'  E \_\_\_\_\_'  W \_\_\_\_\_'

**Transport vehicle loading and unloading facilities** 14.2119(a):

Transfer piping, pumps, and compressors protected from vehicular damage: YES  NO

**Remote shut down device** for pump/compressor located minimum 25' from equipment: Listed?

Distance \_\_\_\_\_'  14.2122(c)

Remote shutdown marked per 14.2101: YES  NO

Remotely located pumps/compressors used for loading unloading tank vehicles shall be provided with shutdown controls: at transfer area: YES  NO  and at pump/compressor site: YES  NO

**Emergency communications** provided at transfer locations: YES  NO  14.2128

**Fire Protection** 14.2131:

Equipment to detect and control LNG, flammable refrigerants, or flammable gases:

Fire: YES  NO

Leaks: YES  NO

Equipment to detect and control potential non-process and electrical fires: YES  NO

Dikes, grading or diversion curbs provided: YES  NO  14.2304(c)

Instructions identifying location and operation of emergency controls: YES  NO  14.2304(e)

**Local Fire Marshal or LEPC approval:** YES  NO

**Fuel Dispensing Systems** 14.2313:

Emergency shut-down devices shall be marked per 14.2101: YES  NO

Emergency shut-down devices (ESD) shall activate a valve installed at the dispensing area that shuts off power & gas supply to dispensers. ESD locations:

$\leq 93,240$  gallons: 35-50 feet from container: Listed?  Distance \_\_\_\_\_'

$\geq 93,241$  gallons or more: 60-75 feet from container: Listed?  Distance \_\_\_\_\_'

Manually operated shutoff valves in manifolds as close as practicable to container(s): YES  NO

Is a detailed area within 150' of the dispenser or the nearest property line shown? YES  NO

**Automatic Fuel Dispensers 14.2319:** Applicable: YES  NO

Electric installations within dispenser enclosure comply with NEC, Class 1, Group D, Division 1 (with exception of components located a minimum of 48 inches above dispenser base): YES  NO

Key, card, or code system used to activate automatic dispenser: YES  NO

Emergency shut-down device for entire installation a minimum of 20 feet from nearest dispenser or storage area: Listed?  Distance \_\_\_\_\_'

Marked per 14.2101: YES  NO

Lighting during hours of darkness: YES  NO

**Protection of Automatic and Other Dispensers 14.2322**

Dispenser secured to concrete island at least 6 inches above normal grade and two inches above the grade of any other liquid fuel dispenser\*: YES  NO  N/A

Protected against collision on approach ends of concrete island\*: YES  NO  N/A

\*If the concrete island is not installed or protected as described above then the dispensers shall be protected as specified in 14.2101: YES  NO  N/A

**Emergency Failsafe 14.2510:**

Facility designed so that if power or instrument air fails the system will go into a failsafe condition that will be maintained until the operator can take appropriate action: YES  NO

**Electrical Equipment 14.2513:**

Fixed electrical equipment and wiring installed:

Storage Containers located outdoors aboveground  $\geq 200$  gallons – Group D, Division 1 – 15 feet in all directions plus area inside dike: Listed?  Distance \_\_\_\_\_'

Storage containers located outdoors in open air at or above grade:

Group D, Division 1 – Within 5 feet in all directions: Listed?  Distance \_\_\_\_\_'

Group D, Division 2 – 5-15 feet in all directions: Listed?  Distance \_\_\_\_\_'

**Unusual topographical or geographical features?** \_\_\_\_\_

**Other activities, features, or safety concerns?** \_\_\_\_\_

**Lease agreement required:** YES  NO  Date: \_\_\_\_\_

**NOTIFICATION STATUS (14.2040(d))** Applicable YES  NO

Certified Survey Plat (with 500' radius marked) Rec'd:  Date \_\_\_\_\_

Real property owners listed on survey plat or separate list indicating property owned rec'd?

YES  NO  Date \_\_\_\_\_

LPG Form 2500a(s) rec'd:  Date \_\_\_\_\_

Number of **real** property owners: \_\_\_\_\_ Number of owners **properly** notified: \_\_\_\_\_

Certified mail receipts rec'd:  Date \_\_\_\_\_

Latest date notification sent: \_\_\_\_\_

Property owner's (18 day) Response deadline: \_\_\_\_\_

RENOTIFICATION INFORMATION (if required) Applicable YES  NO

Certified mail receipts rec'd:  Date \_\_\_\_\_

Latest date notification sent: \_\_\_\_\_

Property owner's (18 day) Response deadline: \_\_\_\_\_

Number of objections rec'd \_\_\_\_\_ Number of owners with **valid** objections \_\_\_\_\_

Valid objection reasons stated: \_\_\_\_\_ 14.2040(c)(5)

**Review of Submitted Application (deficiencies noted & listed below):**

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Action Taken: \_\_\_\_\_

Current Status of Proposal: \_\_\_\_\_