



LAMPTON-LOVE, INC

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Date: September 9, 2024
To: All Branch Managers
From: Kelly Meeks *KM*
Safety Director
Subject: Branch Office Monthly Safety Meeting – September 2024

Company policy requires that each branch office hold a minimum of one safety meeting each month with the documentation of the material covered and the attendance being recorded on the “Monthly Safety Meeting Minutes and Attendance Record” (see attached form). **Please detach the Monthly Safety Meeting Minutes and Attendance Record, fill it out and e-mail or fax a copy to Lynn Mathis or LLSafety@lamptonlove.com. Please keep the original for your records.**

NOTE: ONLY the Monthly Safety Meeting Minutes and Attendance Records are to be sent in.

To assist you in complying with this requirement, the following subjects are for your Monthly Safety Meeting, for the month of September 2024. You may add topics, but please document the following topics:

Safety Meeting: (Generators: Vaporization – Compliance - Tips)

It is recommended that you thoroughly read this material prior to your meeting.

It is strongly recommended that you use the 3-ring binder to store the last 12 months of the Safety Meeting Minutes and Attendance Record Form!!! This material should be referred to or used to train new employees from the website. This manual should be kept in an area of the office that is easily accessible to all employees.

Be Smart...Be Safe and Be Courteous!!!



PROPANE
EXCEPTIONAL ENERGY

TECH TIPS



Generators

Ensuring Compliance in LPG Installations

As a professional (L.P.G.) service technician, it's essential to follow regulations at all levels—federal, state, local, and company. However, manufacturer guidelines are equally crucial. These guidelines specify the correct piping and materials needed for safe operation.

Ignoring these can compromise performance, safety or worse. Always prioritize manufacturer specifications alongside regulatory requirements to ensure a compliant and safe installation is practiced.

Adhering to manufacturer installation guidelines is vital for a few reasons :

Warranty Protection: Ignoring the manufacturer's instructions can void the warranty.

Preventing Damage: Incorrect installation can damage parts or cause the system to malfunction.

Oftentimes by not following the guidelines set by the manufacturer, it is the same as breaking the rules in which we must uphold. Manufacturer guidelines are designed to ensure the equipment runs smoothly when it's needed most. By following these instructions, you help guarantee the system operates correctly, leaving the end user satisfied.

Let's take a look at what the Kohler manufacturers recommend on installation

2.1.2 Fuel Pipe Size

Ensure that the fuel pipe size and length meet the specifications in Figure 10. Measure the pipe length from the primary gas pressure regulator to the pipe connection on the generator set fuel inlet. Add 2.4 m (8 ft.) to the measured length for each 90-degree elbow. Compare the total pipe length with the chart in Figure 10 to find the required pipe size.

Contact the local LPG provider for LPG installation information.

Minimum Gas Pipe Size Recommendation, in. NPT						
Pipe Length, m (ft.)	14RCA/L		20RCA/L		26RCA/L	
	Natural Gas (193,000 Btu/hr.)	LPG (203,000 Btu/hr.)	Natural Gas (281,000 Btu/hr.)	LPG (340,000 Btu/hr.)	Natural Gas (290,000 Btu/hr.)	LPG (322,500 Btu/hr.)
8 (25)	¾	¾	1	¾	1	¾
15 (50)	1	¾	1	1	1 ¼	1
30 (100)	1	1	1 ¼	1	1 ¼	1
45 (150)	1 ¼	1	1 ¼	1 ¼	1 ¼	1
61 (200)	1 ¼	1	1 ¼	1 ¼	1 ½	1 ¼

TECH TIPS



Generators

Vaporization is equally as important!



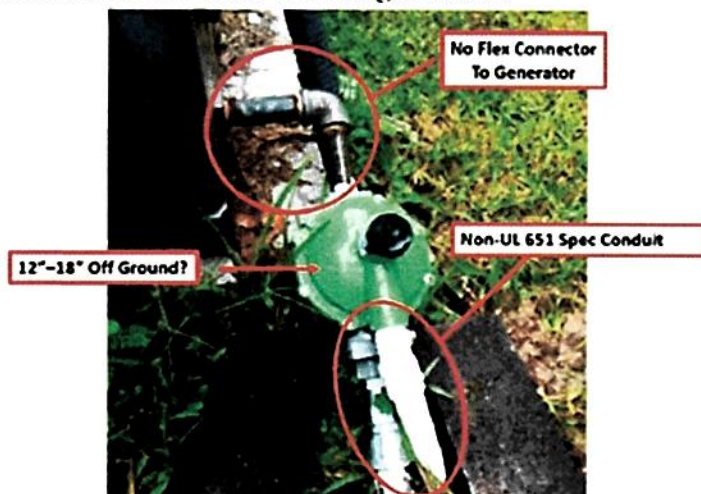
Looking at these two installations on the left, we can identify several issues that could compromise the proper functioning of the regulators. In image #1, the gas flex line is not properly installed and forms a sharp 90-degree angle before entering the generator. In image #2, the line is not straight, with a noticeable bend that creates a restriction in flow. Additionally, the regulators are positioned too close to the inlet, which hinders their ability to meet demand effectively due to the lack of a vapor reservoir. These factors must be addressed to ensure the systems operate safely and efficiently.

WHAT CAN WE DO?

If we encounter space constraints, we have two potential solutions: we could either construct a vapor reservoir to help manage the space more efficiently, or we could choose to use a larger diaphragm regulator, which might better accommodate the tight conditions. (Look at the two images to the right)



Let's examine a few additional issues shown in the images below.



GENERATOR INSTALLATION

Tank and regulator installation

- ☐ Tank must be located at least ten feet away from important buildings or sources of ignition.
- ☐ Data plate must be legible
- ☐ Tank must be on a type of masonry foundation.
- ☐ Metallic piping or tubing must have dielectric fitting installed properly.
- ☐ If tubing is used, it must be properly encased where it enters and exits the ground.
- ☐ The point of regulator discharge must be vented at least five feet from any source of ignition, openings into direct-vent appliances, or mechanical ventilation air intake.
- ☐ The point of regulator discharge must be vented at least three feet from any lower building opening.
- ☐ The second stage regulator must be securely supported to protect from physical damage.
- ☐ A full-flow shut-off valve must be installed properly.

Generator installation

- ☐ Review manufacturer specifications
- ☐ Generator must have 18" clearance from the back of the generator to stationary wall or building. (Allow adequate room around the generator for service access and unobstructed airflow)
- ☐ Generator must have 3 ft distance at the front and both ends.
- ☐ Exhaust must be aimed away or parallel from structure
- ☐ Plants, shrubs or other combustibles should be at least 4' from the exhaust.
- ☐ Generator must be on a 3" thick gravel base or concrete pad (minimum). The unit should not operate in, or be subject to, standing water.
- ☐ Install an approved flex line connected between generator and gas piping system per manufacturer specs/requirements.
- ☐ Clearance at the top of the generator should be a minimum of five feet from any structure, overhang, or projections from the wall. Do not install units under wooden decks or structures unless there is at least five feet of clearance above the generator.
- ☐ Install units where service will not be affected or obstructed, including concealed, underground, or covered services such as electrical, fuel, phone, air conditioning, or irrigation.
- ☐ No operable windows, doors, or openings in the wall permitted within five feet of any point of the generator.

**SEPTEMBER 2024
MONTHLY SAFETY MEETING
MINUTES & ATTENDANCE RECORD**

Company Name: _____

City: _____ **State:** _____

Date: _____ **Time Started:** _____ **Time Finished:** _____

Instructed By: _____ **Number Attending:** _____

Subject Covered and Comments: Safety Meeting:

Generators: Vaporization – Compliance – Tips

By my signature below, I certify that I attended and participated in this Safety Meeting, and I understand the material presented.

Employee Name (Please print)	Employee Signature	License Expires *	Endorsements**	DOT Physical Expires***
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				

*List driver's license expiration date in this column.

**Check licenses for proper endorsements and re-testing (For example: "HazMat") List endorsements in this column.

***List DOT physical expiration date in this column.

By my signature below, I hereby certify that the employees listed above have been trained in accordance with the applicable regulation and curriculum for this monthly safety meeting.

Instructor's Signature: _____

Date: _____

E-Mail or fax this sheet only to: Lampton-Love, Inc. to:

Kelly Meeks/Lynn Mathis -- LLSafety@lamptonlove.com

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