

JLP Seminar Quiz

1. How long does an operator have to register a JLP system with the MPUC?
 - a. 30 days
 - b. Failure to register a jurisdictional LPG system or report change of designation in accordance with this section may result in a penalty in an amount not to exceed \$5,000.
 - c. NATURAL GAS – All mains and services are jurisdictional.

2. What exceptions would make a LP system non-jurisdictional?
 - a. Fewer than 10 customers, if no portion of the system is located in a public place; or
 - b. A single customer, if the system is located entirely on the customer's premises (no matter if a portion of the system is located in a public place).

3. What are the minimum distances regulators can be installed from a source of ignition or openings?
 - a. 5' circumference to any source of ignition from regulators point of discharge.
 - b. 3' horizontally from openings below the regulators point of discharge.
 - c. NATURAL GAS – Same, Same (3' horizontally above point of discharge and 8' vertically)

4. What kind of protection is typically found on buried steel? What criteria must be met for buried steel and copper?
 - a. Cathodic Protection
 - b. The negative 850-mv criteria must be met for steel components. Copper components must meet Appendix D (c) of 192 the negative 100-mv shift . CP levels must be monitored annually NTE 15 months.

5. What is the maximum service pressure for PE piping?
 - a. 30 p.s.i.

6. What are the depth requirements for an LP service?
 - a. Minimum of 12" of cover and minimum of 18" of cover if external damage to the pipe or tubing is likely to result.
 - b. NATURAL GAS – 24" Mains, 24" services (Most O&M's more stringent)

7. At what P.S.I. are excess flow valves required?
 - a. Service lines exceeding 10 P.S.I.
 - b. NATURAL GAS – All residential services typically have EFV, Some also include valves depending on load.

8. At what intervals is a company required to patrol mains and/or tanks inside of a business district and outside of a business district?
 - a. Inside of a business district - Four times per year not to exceed 4 ½ months.
 - b. Outside of a business district - Twice per year not to exceed 7 ½ months.

- c. NATURAL GAS – (Same) See Below
9. At what intervals is a company required to conduct leakage surveys inside of a business district and outside of a business district?
- a. Distribution systems within a business area are to be surveyed once a calendar year, at intervals not to exceed 15 months.
 - b. Distribution systems outside of a principal business area are to be surveyed at intervals at least once every 5 calendar years not to exceed 63 months.
 - c. NATURAL GAS – (Same) See below
10. How often should odorization be checked at bulk plants during each calendar year?
- a. Four times per year (Quarterly)
 - b. NATURAL GAS – See below
11. How many times per year does public awareness information need to be given to jurisdictional customers, property owners where jurisdictional LP facilities are located, and other appropriate officials?
- a. Twice annually

Natural Gas:

D. Annual Submission of Operation Plans

1. Operators must annually file electronically with the MPUC Gas Safety Manager current copies of the following written plans for each pipeline system operated within the State of Maine:
 - a. Pipeline Operating & Maintenance Plan (O&M Plan)
 - b. Construction Standards
 - c. Pipeline Emergency Plan (may be combined with O&M Plan)
 - d. Operator Qualification Plan
 - e. Damage Prevention Plan
 - f. Public Awareness Plan
 - g. Transmission and/or Distribution Integrity Management Program (when required by 49 C.F.R. Part 192)
 - h. Quality Assurance / Quality Control Plan
 - i. Control Room Management Plan

F. Logging and Analysis of Responses to Gas Odor and Leak Reports

1. Operators must record each gas leak or odor report it receives.
2. Operators must keep and maintain a log recording the receipt and handling of each such report and the log must contain the following information:
 - a. Incoming date
 - b. Incoming time
 - c. Address, town and state
 - d. Work order number
 - e. Dispatcher name or employee identification number
 - f. Technician name or employee identification number
 - g. Time assigned to technician
 - h. Time accepted by technician
 - i. Time on route
 - j. Time arrived on site

- k. Total time work order held in dispatch
 - l. Total travel time
 - m. Total response time
 - n. Time condition was made safe
 - o. Response time classification (30, 45, 60)
3. Operators must submit monthly reports of leak and gas odor calls to which they responded. The reports must include the lapsed time for each call, from receipt of the initial call to the arrival of a qualified responder, and a summary of the total calls responded to
- a. Within 30 minutes;
 - b. Within 45 minutes;
 - c. Within 60 minutes; and
 - d. In excess of 60 minutes.
4. For any response time in excess of 60 minutes, operators must report the amount of time it took to arrive at the location of the report of a leak or gas odor, and provide a detailed written explanation for its failure to respond to the location within 60 minutes or less.
5. For each report of a gas leak or gas odor received by an operator, the operator must report to the MPUC the amount of time that lapsed time from initial notice until the leak(s) have been made safe by eliminating leaking gas.

H. Odorization Records and Reporting

1. Operators must:
- a. Conduct periodic sampling of combustible gases using an instrument capable of determining the percentage of gas in air at which the odor becomes readily detectable;
 - b. Select sampling sites utilizing sound engineering judgment to ensure that all gas within the entire piping system contains the required odorant concentration.
2. Operators must record and retain the following information in the operators' files:
- a. Odorizer location;
 - b. Brand name and model of the odorizer;
 - c. Million cubic feet (MMcf) of gas odorized during the month/quarter; and

- d. Injection rate of gas odorant per MMcf, or the following:
 1. Quantity of gas odorant and the beginning of the month/quarter;
 2. Amount of gas odorant added during the month/quarter; and
 3. Quantity of gas odorant at the end of month/quarter (indicating adjustments for new quantity received during the month/quarter)
3. Operators must provide, on or before the 20th of every month, reports to the MPUC Gas Safety Manager of the odorant level measured at the sampling sites.

D. Leak Detection

1. **Leakage Surveys and Patrols.** Operators must conduct leakage surveys and patrols according to the following:
 - a. Operators must conduct a risk-based leakage survey program for all gas mains with, at a minimum, the requirements as set forth in 49 C.F.R. §192.723. As part of their compliance with 49 C.F.R. §192.605, operators must provide the detail on the survey cycles. Operators' DIMP written plans must provide the justification, based on data and metrics compiled and reviewed as part of the DIMP written plan, for the selection of each survey cycle identified in the operators' operations and maintenance procedures.
 - b. Operators must conduct a leakage survey of all cast iron main lines at least every 30 days between December 1 and April 30.
 - c. Operators must conduct a leak survey at buildings used for public assembly, including schools, post offices, churches, hospitals, nursing homes, theaters, and municipal buildings each year during the period March 1 to December 1. This requirement only applies to all public assembly buildings having a gas service line. Operators must utilize risk-based parameters to identify additional service lines in places of public congregation beyond those listed above, that require a survey each year from March 1 to December 1. Operators must use existing and readily accessible data to identify these risk-based parameters which may include service size, delivery pressure, number of meters, meter size, or building occupancy