TR 2022-01 Knowledge of Leak Detection Equipment

Section 192.615

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2 ACQUAINT APPROPRIATE OPERATING AND MAINTENANCE EMPLOYEES WITH THE PROCEDURES (§192.615(b))

2.1 Provide employees access to emergency procedures manual.

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2.2 Training of employees.

Appropriate operating and maintenance employees should be trained to ensure that they are knowledgeable of the requirements of the written emergency procedures. Persons providing training of the emergency procedures should be knowledgeable in emergency response and training techniques. Consideration should be given to conducting classroom or field simulated emergency exercises involving appropriate personnel, such as operating, maintenance, and dispatch personnel, including those monitoring and controlling operations of remote facilities. Emergency exercises should include worst case scenarios. The effectiveness of the training may be verified by methods such as oral test, written test, or evaluating performance during simulated emergencies. Such verification of the effectiveness of training should be documented.

Those responsible for instruction of operator employees should place special emphasis on the following.

(a) Understanding the properties and behavior of the gas, as related to types of potential hazards, including the recognition of, and the appropriate actions to take regarding, hazardous leaks.

(b) Coordinated execution of the operator's written emergency procedures, including coordination among different functional groups (e.g., between gas control and operator emergency response personnel in an emergency situation).

(c) Knowledge of how emergency control is exercised in various sections of the system, including identification and operation of key valves.

(d) Ability to use operator's maps or other facility records.

(e) Responsibilities of each employee responding to an emergency and the relationship to the emergency procedure. This should include responsibilities related to interacting effectively with local emergency responders in an Incident Command System.

(f) Evaluation of reports of gas odor and other potential emergencies.

(g) Response to different types of emergency situations, such as gas escaping inside or outside and gas burning inside or outside. Appropriate actions should include avoiding the use of doorbells or buzzers when responding to possible leaks, evacuation, elimination of ignition sources, gas shutoff, ventilation, and other precautionary measures.

(h) ~~Familiarization~~ Competence with tools, ~~and~~ equipment, procedures, and qualifications appropriate to the particular function or situation (e.g., request for electric shut down).

(i) Revising training materials when new tools or equipment are introduced to ensure users are knowledgeable of the appropriate use and ~~any~~ limitations. ~~Operators should consider including information from the manufacturer's instructions into training materials.~~

(~~i~~ j) Fulfillment of the recordkeeping requirements called for under the written emergency procedures. This should include a log of the emergency and the validation and documentation of the corrective action taken.

2.3 Review of employee activities.

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(g) Response to different types of emergency situations, such as gas escaping inside or outside and gas burning inside or outside. Appropriate actions should include avoiding the use of doorbells or buzzers when responding to possible leaks, evacuation, elimination of ignition sources, gas shutoff, ventilation, and other precautionary measures (e.g., request for electric shut down).