

5.8 Natural Gas Response



City of Oak Point Department of Public Safety Fire Department

TITLE: Natural Gas Response

SECTION/TOPIC: General Operations

NUMBER: 5.8

ISSUE DATE: 01.21.2015

No Revisions

APPROVED BY:

Michael Shackleford

Director DPS

These SOPs/SOGs are based on FEMA guidelines FA-197

1.0 PURPOSE

Purpose:

The purpose of this SOP is to establish standard guidelines, actions, and expectations for OPDPS Fire Department personnel when responding to incidents involving natural gas lines, pipelines, meters, and other pressurized gas emergencies.

2.0 SCOPE

This SOP/SOG pertains to all personnel in this organization.

3.0 POLICY/GUIDELINES & INFORMATION

Policy:

The OPDPS Fire Department will provide an effective emergency response and mitigation force as defined by NFPA 1710 to all pressurized gas emergencies, and will consider the area hazardous until the flow of gas is controlled, the fire is out, and air monitoring indicates no further hazard.

Procedures:

Natural Gas Leak – No Fire

The first arriving Fire Company will position apparatus upwind/uphill of the gas release and initiate hazard mitigation action guidelines:

- Incident size-up – Establish Command if additional Fire Companies requested.
- Request gas company response.
- Establish Perimeter Control (Hot, Warm and Cold Zones) – Secure Hot Zone from sources of ignition and restrict entry to only Fire Services personnel and Gas Company representatives.
- Attempt to stop the gas leak by shutting off the gas valve at the meter. Any gas lines will be plugged or repaired by a GAS COMPANY representative ONLY.
- Monitor conditions downwind. If the leak is below grade, also monitor storm and sanitary sewer conditions.
- Deploy hose team to protect Gas Company representatives (1¾” line and full PPE).
- Remain on scene until Gas Company representatives arrive and the flow of gas is controlled.

Natural Gas Leak – Fire

The first arriving Fire Company will position apparatus upwind/uphill of the gas release and initiate hazard mitigation action guidelines:

- Incident size-up – Establish Command if additional Fire Companies requested.
- Request gas company response.
- Establish Perimeter Control (Hot, Warm, and Cold Zones) – Secure Hot Zone from sources of ignition and restrict entry to only Fire Service personnel and Gas Company representatives.
- Locate nearest hydrant and establish water supply.
- Deploy hose team (1¾” line and full PPE).
- ONLY protect threatened exposures.
- DO NOT attempt to extinguish the fire by directing the hose stream at the fire or into the hole of the ruptured gas pipe.
- Keep area around gas leak DRY to expedite repairs after fire is out.
- If the gas leak fire is on the occupant side of the gas meter, attempt to shut the gas valve off at the meter.
- Evacuate threatened occupants if the gas leak fire is not stopped by shutting off the gas valve at the meter. ONLY Gas Company representatives will plug and repair damaged gas lines.
- Request additional resources as needed – HazMat, Police Service, etc.
- Monitor conditions downwind.

- Remain on scene until Gas Company representatives arrive and the flow of gas is controlled and exposures are no longer threatened by fire.

General:

- Gas companies for the district are Coserv Gas and Atmos Energy
- Atmos meters are marked yellow ground wire.
- Coserv meters are marked with a green ground wire.