

CLAYTON FIRE COMPANY NO.1 INCORPORATED
STANDARD OPERATING GUIDLINE # II-5

Date of Effect: March 1, 1991	To be reviewed: January, 2020
To: All Members	Revised: January 1,2019
Ordered By: Alexander C. Carrow, Fire Chief	
Subject: CHEMICAL AND GAS LEAKS	

This guideline shall take effect immediately and shall remain in effect until superseded.

Purpose: To establish procedures for operations on the scene of a chemical or gas leak.

I. RESPONSE

Prior to arrival to scene, the OIC shall obtain the direction and wind speed. The officer will then have all units respond to the scene by a route that will bring them upwind of the scene. Before committing any units, the officer will determine the extent of the leak and what actions need to be taken.

II. ON SCENE

Upon arrival of the first officer command will be established and a recon of the hazard area will Be completed when possible.

Upon determining the need to disperse the fumes, the OIC will position the attack piece a safe distance from the leak. All firefighters in and near the leak area will wear full protective clothing and don SCBA.

The OIC will determine the need to evacuate persons down wind of the leak.

It is the OIC's or his appointees' responsibility to see that all power and ignition sources are removed from leak area.

The OIC will assign a firefighter in full protective gear and SCBA to use the explosion meter to take readings of leak area and any structures.

If a leak is discovered the utility company for gas for that area will be notified to respond.

The firefighters will continue to disperse the fumes until the gas source has been stopped.

In gas leaks inside a structure, it is important to establish ventilation on the structure as soon as possible to prevent a build up of gas fumes. Inside a structure it is important to remember that natural gas will have the highest levels of concentration in the highest levels of the structural. Propane gas will be highest concentrated in lower levels of the structure.