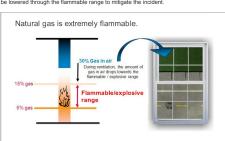
nationalgrid



onding to high concentrations of natural gas: Ventilation precautions

Natural gas has a flammable range of 5 to 15% gas in air. At concentrations above 15% leaking natural gas will not tignite. However, first responders charged with ventilating high concentration natural gas leaks face a significant hazard, as the gas concentration must be lowered through the flammable range to mittigate the incident.



As with other natural gas-related incidents, your first step for a confirmed high-concentration gas leak should be to make certain your dispatcher has notified Natic Grid. To keep your team and the public safe, pursue the tactics below in coordinatic a National Grid emergency representative.

Park safely and clear the area Park at least 100 feet from the front of the building and away from manhole covers, gas valve covers and storm sewer grates. Deploy charged hand lines with fog nozzles as a precaution, and establish a static water source.

Evacuate all bystanders and occupants of potentially impacted structures. Your incident commander will consult with a National Grid emergency representative to determine the extent of the evacuation. For larger leaks, downwind evacuation for at least 1/2 mile may be required.

Shut off gas and eliminate ignition hazard

Never ventilate a building without first coordinating with National Grid and verifying gas has been shut off and ignition sources have been eliminated.

You may control the gas leak by closing the service valve before the meter, provided you have been traine to do so. Follow your department's guidelines with resp to operating gas service valves.

After a service valve has been closed, do NOT open it under any circumstances. Only utility representatives can restore gas service.



A gas valve is off when It aligns across the pipe



 Inform National Grid of any service valve you have closed and its precise location. Prior to ventilation, eliminate any potential sources of ignition, such as vehicle engines, flame-producing devices and anything the could produce sparks. Use intrinsically safe radios and flashlights. Do not ring doorbells or turn on or off any electrical switches, as a spark from these devices could ignite the gas. Do not step on doormats, fiction from your boots could create a spark of static electricity.

aware that if the situation warrants it, National Grid mastructure to reduce ignition hazards.

If ventilation is indicated If it has been determined that gas concentrations are either within or above the flammable range, do NOT enter the structure unless operations are coordinated with the National Grid emergency representative and approved by your incident commander.

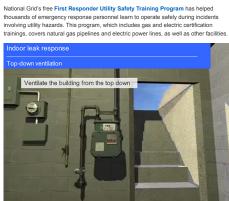
If you are approved these precautions:

- Ventilate from the top down and consider the wind direction. In most sinatural air currents will allow the gas to diminish and power ventilation is not necessary.
- If power ventilation is necessary to clear the structure, use intrinsically safe ventilators and positive pressure ventilation on the upwind side. Take care not to exhaust gas into adjacent structures.

Case in point:

acuation places crew in danger

Learn more gas and electrical utility response tips at firstresponder.ngridsafety.com.



If-paced. Users certificates of c

nrough this training, you will gain the knowledge, skills and tecl quired to respond to the most common electrical and natural ga



complete your utility safety training.

Know what's **below. 811** before you dig. Smell Gas. Act Fast. To report emergencies, call 911 and National Grid immediately. n case of gas emergencies: .ong Island and the Rockaways: 11 and 1-800-490.0045 Metro New York: 911 and 1-718-643-4050 Massachusetts: 911 and 1-800-465-1212 Upstate New York: 911 and 1-800-892-2345 Rhode Island: 911 and 1-800-465-1212 Massachusetts: 911 and 1-800-233-5325 Rhode Island: 911 and 1-800-640-1595

IMPORTANT TERMS AND CONDITIONS -PLEASE READ PRIOR TO USE.

111973 © 2020 Culver Media, LLC