

# Best Practices Natural Gas Response Phases Diagram

PHASE	-RESPONDING-	-ARRIVAL- "Window Survey"	-APPROACH- "Hot Zone Assessment"
<b>EVALUATION &amp; RBA</b>	<ul style="list-style-type: none"> <li>Dispatch info</li> <li>Wind direction</li> <li>Topography</li> <li>Occupancy size/type</li> <li>Interior/Exterior</li> <li>Supply/pressure</li> <li>Est. duration &amp; saturation</li> </ul>	<ul style="list-style-type: none"> <li>Location, size, duration of leak</li> <li>Structures involved &amp; types</li> <li>Structure proximity to leak</li> <li>Gas migration potential</li> <li>Appropriate resources</li> <li>Life safety concerns</li> <li><b>Continuous RBA</b></li> </ul>	<ul style="list-style-type: none"> <li>Proper PPE, SCBA, &amp; Air Monitor <i>Don SCBA if 20% of LEL is: (1) confirmed by monitor --or-- (2) highly suspected.</i></li> <li>Hightened awareness of crew location</li> <li>Awareness of changing concentration levels</li> <li>Possible migration &amp; saturated areas</li> <li><b>Continuous RBA</b></li> </ul>
<b>ACTIONS</b>	<ul style="list-style-type: none"> <li>Activate Air Monitors</li> </ul>	<ul style="list-style-type: none"> <li>Size-up (incl. "Natural Gas")</li> <li>Establish Initial Isolation Perimeter</li> <li>Adjust Isolation Perimeter</li> <li>Identify/minimize ignition sources</li> <li>Interview responsible persons.</li> </ul>	<ul style="list-style-type: none"> <li>Determine action thresholds:                             <ul style="list-style-type: none"> <li>EVACUATION: At or Above 20% of LEL in structure</li> <li>MITIGATION: Up to 50% of LEL --or-- as RBA allows.</li> <li>VENTILATION</li> </ul> </li> </ul>

**SATURATION AND SPREAD**

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