

NATURAL GAS

BENCHMARKS

- PSE ON SCENE
- ZONES ESTABLISHED
- GAS READINGS

NGO - 1L
 NGL - 1E, 1L, 1BC
 NGLMJ- 5E, 2L, 2BC, D1, SAFT2, 1M, 1AC, AIR 9

| UNIT | TIME | LOC/DIST | READINGS |
|------|------|----------|----------|
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- EVACUATION PLAN ($\geq 20\%$ OF LEL)
- VENTILATION
- WATER SOURCE

TACTICS

- ACTIVATE GAS MONITOR
- SIZE-UP (INCL. "NATURAL GAS")
- EST. "ISOLATION PERIMETER" (300')
- I.D. /MIN. IGNITION SOURCES
- INTERVIEW RESPONSIBLE PERSONS
- DETERMINE LIFE PROFILE
- SCBA IF: 20% OF THE LEL
- APPROPRIATE RESOURCES
- $\leq 50\%$ OF LEL, MITIGATION --&/or-- EVAC. ACTIONS OR AS RBA ALLOWS

| | |
|-----|--------------------------------------|
| RIT | RIG <i>ENGINE LADDER</i> |
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Grid area for notes, with vertical dashed lines and horizontal dashed lines.

IC

TO FIRE



NATURAL GAS RESPONSE

Phases Diagram

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

SoV | NG v04.01 | 2016-11-27

