
	STANDARD OPERATING GUIDELINE			
	OPERATIONS			
	CONFINED SPACE RESCUE			
	Effective: 01/Jan/06	Revised: 28/Dec/2020	S.O.G. #: O-305	

1.0 Objective

- 1.1 The purpose of this guideline is to establish operational procedures and parameters for Highland Park Fire Department personnel who are not certified as “Confined Space Rescue Specialists” by the Office of the State Fire Marshal in the event of a Confined Space Incident.
- 1.2 Highland Park Fire Department “Confined Space Rescue Specialists” will follow the MABAS Division 3 Technical Rescue Team “TRT Operational Guidelines for Confined Space” in the event of an incident requiring entry of personnel into a confined space.

2.0 Responsibility



- 2.1 It is the responsibility of all Highland Park Fire Department personnel to understand the guidelines set forth in this document.

3.0 Definitions

- 3.1 A *Confined Space* means a space that:
 - 3.1.1 Is large enough and so configured that an employee can bodily enter and perform assigned work.
 - 3.1.2 Has limited or restricted means of entry or exit, e.g.: tanks, vessels, silos, storage bins, hoppers, vaults and pits.
 - 3.1.3 Is not designed for continuous employee occupancy.
- 3.2 A *Permit Required Confined Space* (or permit space) means a confined space that has *one (1) or more* of the following characteristics:
 - 3.2.1 Contains or has a potential to contain a hazardous atmosphere.
 - 3.2.2 Contains a material that has the potential for engulfing an entrant.
 - 3.2.3 Has an internal configuration such that an entrant could be trapped or asphyxiated by inwardly converging walls, or by a floor which slopes downward and tapers to a smaller cross-section.
 - 3.2.4 Contains any other recognized serious safety or health hazard.
- 3.3 A *Confined Space Incident* is defined as a request for emergency response due to an injury, illness, or entrapment of any person in a confined space, as defined in Section 3.1 or 3.2 above.

4.0 Response

- 4.1 A Code 3 – Non-AFA response shall be activated to any confined space incident, Squad 33 shall be specially requested if not already responding. Additional ambulance(s) shall be requested so that there is at least one ALS ambulance per victim and one ALS ambulance for personnel making entry into the confined space.
 - 4.1.1 *Technical Rescue Box Alarm 33-R-80*, with MABAS Division 3 Technicians and Rescue 3, may be activated as necessary.
 - 4.1.2 Deerfield Squad 19 or Northbrook Squad 12 with TRT technicians. MABAS 3 Air Truck may be requested. One (1) such squad on scene is considered to be the minimum – two such squads are recommended.

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5.0 Scene Control



- 5.1 Initiating Incident Command, scene safety and control are the initial concerns in the incident management process.
- 5.2 Assign a Scene Safety Officer (an individual from the Highland Park Fire Department).
 - 5.2.1 The TRT will assign a Rescue Safety Officer for TRT Operations.
- 5.3 Identify the nature of the incident and number of victims involved.
- 5.4 Interview supervisors, co-workers, or any witnesses.
- 5.5 Review the Confined Space Entry Permit (if available).
- 5.6 *Determine if you have a rescue or recovery!!*
- 5.7 Use Hazardous Materials Team personnel to begin atmospheric monitoring with a 4 gas meter.
- 5.8 Start at areas adjacent to the entrance and continue testing into the confined space at varying levels without physically entering the space. Monitor as necessary. If you have a flammable atmosphere (above 10% LEL), begin appropriate measures to eliminate the hazard(s).
- 5.9 Are Hazardous Materials involved? If so, consider activation of *Hazardous Materials Box Alarm 33-H-70*. Hazardous Materials incidents are to be handled pursuant to Standard Operating Guidelines O-324, O-324a, O-324b, and O-324c.
- 5.10 Begin ventilating the space with *electric fans* and by opening all entries, hatches, portals, etc., if doing so does not create an additional hazard.
- 5.11 Set up control zones, adjusting zones as necessary, and remove unnecessary individuals from the area. Attempt to mark zones by using scene tape, rope, barriers, etc. following the guideline below:
 - 5.11.1 Hot Zone/ Operations: 0 – 50’ Rescue and Operations personnel only
 - 5.11.2 Warm Zone/Control: 50’ – 150’ TRT & Fire Department staging
 - 5.11.3 Cold Zone/Exclusion: 150’ – 300’ Command, support staff, vehicles, family of victim(s), etc.
- 5.12 Use the Highland Park Police Department to keep unnecessary individuals outside of the cold zone.
- 5.13 Safeguard all unnecessary equipment and utilities. Perform lock-out/tag-out procedures as necessary. Notify affected utility companies of actions and needs.

6.0 Rescue and/or Recovery

- 6.1 A rescue or recovery by first arriving personnel can be made by using techniques such as a hand-cuff knot, pike pole, or other means so long as it does not further jeopardize the victim(s) situation or threaten the rescuers’ safety.
- 6.2 *Do not* commit untrained personnel to the interior of the space.
- 6.3 The TRT will follow the “MABAS Division 3 TRT Operational Guidelines for Confined Space.”

7.0 Termination of Incident

- 7.1 Ensure that the site and all entry points to the confined space are secured to prevent entry.
- 7.2 File any necessary permits and notify all appropriate agencies (OSHA, NIOSH, Com-ED, etc.)
- 7.3 Perform accountability check on personnel and equipment.

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8.0 Reference

- 8.1 Highland Park Fire Department
- 8.2 MABAS Division 3 Standard Operating Guidelines
- 8.3 NFPA 1710: 4.4.3 Special Operations

Approved:  Fire Chief