



ARG Contractor Confined Space Requirements

Contractors are required to follow and meet the requirements of ARG's SAFE-10 Confined Space. Any deviations from ARG's SAFE-10 Confined Space or SAFE-54 Safe Work Permit will result in removal from the facility.

Permitting Process

All contractors performing work on site and confined space work must follow ARG's permitting process. Contractors are to conduct a joint jobsite walkthrough and walk through isolation verification of the confined space with the owning operations department.

Training

All employees are to be properly trained in confined space entry. This training shall be provided to ARG.

Confined Space Entry

No entry is to be made until a permit is approved and rescue plan completed. All product is to be removed as much as possible before entry is made. Temperature must be taken prior to entry. If temperature is above 100°F a risk assessment must be completed prior to entry to prevent heat stress/sickness.

All entrants are to have a personal gas monitor that has been calibrated within 30 days.

Entrants must wear a harness and tagline. Taglines are for non-entry retrieval and are not to be waived for convenience.

Confined Space Attendant/Hole Watch

An attendant must be dedicated for each confined space. The attendant must be properly trained and understand their duties. This is the only duty that the attendant can perform. They are not to assist with the job in any other function while active hole attendant. They are required to wear a red, high visibility vest for designation, have a small air horn, plant radio, gas monitor and permit and/or continuous air monitoring log.

Radios are to be signed out from the Health and Safety department. Radios are not to be taken from process units.

The attendant will be responsible for the following:

- Attendants must have high visibility vest, air horn and plant radio.
- Ensure atmospheric testing is conducted for the duration of the entry.
- Knowledge of how to use atmospheric testing equipment.
- Communicate with authorized entrants to monitor status.
- Maintain an accurate count of authorized entrants.
- Record atmospheric readings every 15 minutes (on continuation log)
- Knowledge of the hazards that may be present during entry.
- Ensure barriers and signs are in place to prevent unauthorized entry.
- Remain outside the space during entry operations.
- Prevent unauthorized entry.
- Notify Watchblock at the start and end of the job.
- Only perform attendant duties, no other work.

PPE

If confined space contains products or other contaminants PPE will have to be upgraded.

This may include:

- Dust suits, impervious or chemical resistant suits
- Chemical resistant gloves
- Face shields or goggles
- Over boots
- Full face or half face respirators with cartridges or supplied air. If employees wear respirators they must be fit tested and trained to wear respirators. Fit testing records and a copy of the contractors respirator program must be provided to ARG.

Lighting

All confined space entries must have primary and secondary lighting. This lighting may have to be explosion proof based on the job scope.

Ventilation Requirements

Contractors performing confined space work are required to supply and maintain appropriate mechanical ventilation for the job scope. ARG requires a minimum of 6 air exchanges per hour when ventilation is being used and 2,000 CFM per welder. Ventilation used for confined spaces must have a CFM (Cubic Feet per Minute) rating.

Mechanical ventilation must be used during the follow job scopes:

- High energy hot work within a confined space regardless if the confined space is non-permit or permit required.
- If the space contains product or other contaminants.
- If meter reading indicates air contaminants.



Rope Rescue Requirements

1. Contractors must adhere to OSHA 1926.1211 Confined Spaces in Construction/ Rescue Emergency Services Requirements and ARG requirements.
2. Training - Contractors must be rope rescue certified by an accredited training source.
 - a. Copies of initial and (refresher within prior 12 months) training records shall be provided to ARG's safety department upon receipt of ARG PO.
3. Equipment requirements- Horizontal Rescue
 - a. Full body harness for each entrant and rescuer.
 - b. Wristlets or anklets for cases where harness has been waived by permitting.
 - c. Static kernmantle rescue rope (7/16 or 1/2 inch minimum) of adequate length for job scope and rescue plan.
 - d. Backboard and/or stokes basket
 - e. Explosion proof portable lighting
 - f. Self-Contained Breathing Apparatus (SCBA) or Supplied Air Respirator (SAR).
 - g. Emergency Medical Bag for first aid or resuscitation
4. Equipment requirements- Vertical Rescue
 - a. Full body harness for each entrant and rescuer.
 - b. Tripod or davit arm with fall protection and retrieval winch system.
 - c. Static kernmantle rescue rope (7/16 or 1/2 inch minimum) of adequate length for job scope and rescue plan.
 - d. Backboard and/or stokes basket
 - e. Explosion proof portable lighting
 - f. Self-Contained Breathing Apparatus (SCBA) or Supplied Air Respirator (SAR).
 - g. Emergency Medical Bag for first aid or resuscitation



5. If a contractor performing confined space work does not have rope rescue certification and does not wish to obtain such training and rescue equipment they must choose to subcontract a rope rescue company. ARG does not provide rope rescue coverage for contractor confined space work.

Local 911 services do not provide Confined Space Rescue Services!

6. ARG does have an onsite Emergency Response Team that will respond to reports of a "MANDOWN" however, it is the contractor's responsibility to extricate the victim from the confined space and move them to the ground level.
7. Rescue planning must include all victim movements to the ground.

For more information or questions contact:

Matt Rettger – mrettger@amref.com 814-368-1204 (Rope Rescue and Emergency Response)

Sabina Vecellio – svecellio@amref.com 814-368-8740 (Confined Space information and Health and Safety)

Micheal Salada – msalada@amref.com 814-368-1201 (Confined Space information and Health and Safety)



AMERICAN REFINING GROUP, INC.

77 North Kendall Avenue • Bradford, PA 16701
Office (814) 368-1200 Fax (814) 368-1335
Web: <http://www.amref.com> eMail: arg@amref.com