

**BY ORDER OF THE COMMANDER
OKLAHOMA CITY AIR LOGISTICS CENTER
HQ TINKER AIR FORCE BASE (AFMC)**

AFOSH STANDARD 91-25



**HQ OKLAHOMA CITY AIR LOGISTICS CENTER
Supplement 1**

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Safety

CONFINED SPACES

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This supplement outlines the Oklahoma City Air Logistics Center (OC-ALC) confined space policies to implement the policies prescribed in AFOSH Standard 91-25 dated 1 Feb 98.

This standard applies to all OC-ALC and 72 ABW organizations. It contains requirements for practices and procedures that provide protection for Air Force employees (military and civilian) who enter and work within confined spaces. This supplement implements AFOSH Standards 91-25 and Occupational Safety and Health Administration (OSHA) 29 Code of Federal Regulations (CFR) 1910.146, Permit-Required Confined Spaces. The use of this supplement will minimize the potential for employee illness, injury, or death by ensuring confined spaces are evaluated for hazardous conditions and precautions are implemented to minimize or eliminate those conditions. This supplement does not apply to tunnels specifically designed for human occupancy. All other OC-ALC and 72 ABW operations or tasks that require entry into confined spaces will comply with the requirements in this supplement. Specific procedures or technical orders (TO) which incorporate these requirements may be used for permit-required confined space entries.

SUMMARY OF REVISIONS: This is a new supplement and should be reviewed in its entirety AFOSH Standard 91-25, 1 Feb 98, is supplemented as follows:

2.10.4. Master Entry Plan/Permit (MEP). The MEP becomes valid when signed by representatives of the ALC Ground Safety Office (OC-ALC/SEG), Fire Department (72d CEG/CEF), and Bioenvironmental (72 AMDS/SGPB). If at any time during an entry, conditions specified on the MEP are not met or conditions change, the space must be vacated. Work will be discontinued until conditions return to specified limits or until a new permit, specifying new conditions is issued. All MEPs must be reviewed by the TAFB Confined Space Program Team.

2.10.11. (Added) The Confined Space Program Team (CSPT) will assist tenant organizations IAW approved Host Tenant Support Agreements.

2.12.1. Ensure development and maintenance of written operating instructions (OI's) which establish minimum requirements and standardize confined space programs.

3.3.9. (Added) Pre/Post Dock Environments: Aircraft fuel cells/tanks entry will meet the confined space entry requirements prescribed by T.O. 1-1-3.

3.3.10. (Added) In-Dock Environments. In-dock environments include aircraft fuel cells/tanks that have been prepared and are maintained IAW T.O. 1-1-3 when the LEL is 0-5 percent. The in-dock cells/tanks are governed by AFOSH Standard 91-25.

3.3.11. (Added) Aircraft (Non-Fuel) Environments. Aircraft (non-fuel) environments include all confined space areas other than integral fuel cells/tanks, bladder cavities, or fuel tank bladders. These areas are governed by AFOSH Standard 91-25.

3.3.12. (Added) Non-Aircraft Environments (i.e. Facilities). Non-aircraft environments include all confined space areas other than those of the aircraft. These areas are governed by AFOSH Standard 91-25.

3.3.13. (Added) Civil Engineering (CE). Liquid Fuels personnel will be governed by AFM 85-16 for confined space entry into, above and below the surface fuel tanks (storage). Note: All other CE personnel will comply with AFOSH Standard 91-25.

3.4.1. Permit-Required Confined Space. A confined space that has one or more of the following characteristics: contains or has a potential to contain a hazardous atmosphere; contains a material that has the potential for engulfing the entrant; 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; or contains any other recognized serious safety or health hazard.

3.4.2. Non-Permit Confined Space. A space that does not contain or, with respect to atmospheric hazards, have the potential to contain any hazards capable of causing death or serious physical harm.

3.5. Posting Signs. A permit required confined space must be identified with a danger sign.

3.7.1. (Added) Atmospheric-testing of a confined space must be conducted by a competent individual who has received appropriate training. Only properly functioning and calibrated direct-reading oxygen and explosive gas meters will be used for testing. (Toxicity testing, if required, will be determined by a competent/qualified person.) It is the entry supervisor's responsibility to ensure that atmospheric testing is properly and accurately accomplished and documented.

3.7.2. (Added) Atmospheric-testing results must be documented and within the parameters indicated on the appropriate permit/MEP before entry into the confined space.

3.7.3. (Added) Atmospheric-testing results and entry requirement documents must be maintained for a period of one year.

4.1.2. Emergency and Rescue Procedures. The Tinker AFB Fire Department will serve as the primary source of rescue for personnel working in confined spaces located on Tinker AFB. The only rescue performed by employees will be accomplished from outside of the confined space. The only exception shall be when pre-existing Confined Space Agreements designate the Tinker AFB Fire Department secondary source of rescue.

5.1. All personnel who are assigned duties and responsibilities which are governed by the confined space program must receive the general confined space awareness training from Civilian Personnel Division (72 MSS/DPE) Core Automated Maintenance System (CAMS) Code 140. A refresher course (CAMS Code 1140) is available for personnel who demonstrate a need for retraining. Employees required to enter a permit required confined space will also receive annual site specific training, hazard communication (CAMS Code 101) and respirator fit test when required.

5.6. Meter Training. Hands-on training in the operation of oxygen and explosive meters must be provided to testers and entry supervisors. This is a one-time training but may be repeated any time personnel feel they need further instruction. Training will be provided by a competent/qualified person.

7.1.1. All work will be accomplished IAW (OSHA) 29 CFR 1910.146, Permit Required Confined Space.

7.1.2. The Tinker AFB Fire Department will not normally provide contractor confined space standby support. However, upon request it will be approved or disapproved on a case-by-case basis during the pre-construction briefing.

7.1.3. (Added) The Tinker Fire Department will respond to all 911 confined space rescue calls whether government or contractor employees.

7.1.4. (Added) Tinker AFB personnel shall not provide entry testing or issue permits for contractor personnel.

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- Confined Space. All confined spaces will be classified as either “permit required,” “non-permit required” or “master entry plan/permit.”

- Permit (Added) A written authorization for entry under defined conditions into a confined space for a stated purpose during a specified time. It must be signed by representatives of the ALC Ground Safety Office (OC-ALC/SEG), Fire Department (72d CEG/CEF), and Bioenvironmental, (72 AMDS/SGPB). If at any time during an entry, conditions specified on the permit are not met or conditions change, the space must be vacated. Work will be discontinued until conditions return to specified limits or until a new permit, specifying new conditions is issued.

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