CONSTRUCTION CONFINED SPACE ENTRY (CSE) - EVALUATION FLOW CHART
Confined Space Entry Program for Construction, Electrical, Telecommunications or an Excavation.

Apply this program whenever:
1. Employment exists in connection with the construction, alteration, painting, repairing, construction maintenance, renovation, removal, or wrecking of any fixed structure or its parts, or when
2. Accessing telecommunications or electrical manholes or vaults made of fire-resistant construction, that is primarily used to house electrical equipment.

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The space:
1. Has existing ventilation that is or may be insufficient to remove dangerous air contamination, oxygen enrichment, and/or deficiency, and
2. Is configured such that access to or egress from the space of a suddenly disabled entrant is difficult?

Who will enter the space?
Contractors

Personnel must have been trained according to Confined Space Program prior to entry and work activity commencing. Check training records to assure compliance.
Complete job scope and entrants / attendants planned on the Confined Space Eval./Entry Form (Appendix C).

UCB Employees

Contractor requests, and UCB informs the contractor of, the CSE hazards UCB has knowledge of that are in the space and the controls that are used.

UCB confirms contractor has a CSE program and conducts CSE under their program's guidance. Contractor provides UCB Entry Supervisor or Host Department with training records of all personnel who are involved in CSE.

UCB CSE team and contractor's CSE team working in the same space coordinate activities to assure both have adequate personnel, equipment, emergency and a communication plan within each team and between the teams to assure safe work.

This procedure does not apply. The space may be a permit or non-permit confined space. Refer to UCB’s "Confined Space Entry -General Program" for further analysis. - END

Prior to entry, test the air inside the space using recently calibrated 4-gas meter. Complete Evaluation / Entry form (Appendix C).

Search for potential air contamination sources outside of the space. Lock out or otherwise remove potential contamination sources outside of space prior to testing atmosphere inside the space.

Ventilate Space

Safe

Unsafe

Prior to entry, and with ventilation running, retest the air using recently calibrated 4-gas meter. Complete Evaluation / Entry form (Appendix C).

Unsafe

Safe

Air Quality cannot be ensured for the duration of the work. Outside attendant must be present during entire Confined Space Entry.

Extraction harness is worn and extraction winch and rescue plan are set in place.

Enter the space from the side if possible. Top entry requires overhead harness to be worn by Entrant(s).

Respiratory Protection protocols and SCBAs are used. Outside Attendant is CPR trained and in communication with rescue team as needed.

Means of communication between attendant and entrant(s), and attendant and emergency rescuers must be available during entire Confined Space Entry.

If flammable or oxygen enrichment is suspected, ignition sources are prohibited. Explosion proof electrical equipment, low voltage lighting, and / or no-spark tools must be used.

Means of communication between all entrants, and potential emergency rescuers must be available during entire Confined Space Entry.

Continuous air monitoring with freshly calibrated 4-gas meter during work. Note initial, final, and 4-hour interval meter readings.

Ensure safe access to and egress from the space.

Use appropriate PPE if corrosive materials or topically absorbed materials are present in the space – check history with applicable department.

Enter Confined Space and complete the work.

Start this process over at the beginning of each work day or shift. – END.