

CONFINED SPACE PROFILE ASSESSMENT

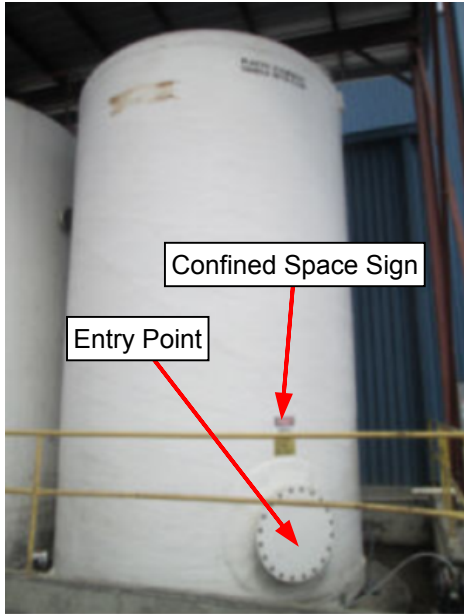
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PERMIT REQUIRED

Revised: 5/5/2015

Confined Space Description:	Waste Water Facility EQ Storage Tank
Description (Area/Equipment):	North End Tank 1 Example Brady
Associated LO/TO Procedure:	Lockout Tank 1 Example Brady2

Waste Water Facility EQ Storage Tank



Equipment Required:

- Hard Hat
- Eye/Face Protection
- Boots
- Gloves
- Protective Clothing
- Other: Calibrated 4-Gas Meter (REQUIRED FOR ALL ENTRIES)
- Ladder

Required: 1. Verification of adequate confined space training for all entrants. 2. Verification of posted confined space signage per requirements (Classification, ID#, Warning Information).

Note 1: The information on this document represents hazards identified at the time of assessment. Review and update hazard information prior to any confined space entry.

Note 2: Follow all permit requirements, including Permit Required Confined Space (PRCS), Hot Work, Energized Electrical Work (EEW), Line Breaking, etc.

HAZARDS ASSOCIATED WITH CONFINED SPACE			
#	Hazard	Details & Controls Needed (Mitigation)	Verification
1	Hazardous energy Hydraulic; Water	Follow lockout procedure for Tank0001-B. Ensure all pressured water lines are isolated prior to entry& tank is drained.	Refer to lockout procedure for verification of zero-energy state.
2	Crushing, engulfment or entrapment Liquid	Follow lockout procedure for Tank0001-B. Ensure all pressured water lines are isolated prior to entry& tank is drained.	Refer to lockout procedure for verification of zero-energy state.
3	Slip/Trip/Fall	Ensure tank is properly drained & floor inspected prior to entry (note: see Hazardous Energy / LOTO). Ensure entrants utilize proper safety footwear.	Drain and inspect tank floor for slip hazards. Wear PPE (verify footwear).

ENSURE CONFINED SPACE PERMIT IS COMPLETED AND ENTRY IS AUTHORIZED BEFORE PROCEEDING

Purpose:	The purpose of this confined space assessment is to help employees who are trained and understand the confined space program quickly and more confidently identify the equipment necessary and hazards present before entering a confined space. The steps below must be followed and used in conjunction with the written confined space program and permit system to ensure safety and full compliancy.
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Confined Space ENTRY		
#	TASK	DESCRIPTION
1	REVIEW & GATHER SAFETY DEVICES	Review the confined space assessment to ensure all hazards are accounted for and the confined space has not been altered since its assessment. Check radios and other equipment being brought in to ensure it is functioning properly. Gather together the required equipment listed on the front side of the assessment. Some equipment may only be required if type of service work introduces additional hazards (i.e. Hot work or using chemicals will require a mechanical means of rescue). Ensure attendant has gathered and inspected any applicable emergency-support equipment.
2	PREPARE SPACE	Open main point of entry to confined space and utilize forced ventilation fan for at least 15 minutes prior to testing to evacuate any accumulated hazardous atmosphere that may have accumulated, or as needed based on air samples. Install guarding around point of entry to prevent falls. Block all vehicular and pedestrian traffic that may cause hazards to employees inside the confined space or entry/exit points.
3	PRE-TEST	Before an employee enters the space, the internal atmosphere must be tested with a calibrated direct-reading instrument for oxygen content, flammable gases and vapors and toxic gases and vapors. Note: Alarm should sound if Oxygen is less than 19.5% or greater than 23.5%, if combustible gas is greater than 10% of LEL, Carbon Monoxide greater than 25 PPM, Hydrogen Sulfide greater than 10 PPM, or Ammonia is greater than 25 PPM. Do not enter the space if an alarm sounds.
4	FILE PERMIT	Each person entering the confined space must sign the confined space entry permit. The confined space entry permit must be posted near the entrance to the confined space. Verify all PPE is being utilized. It is now acceptable to enter the confined space. Complete a Hot Work Permit separately if it is known that hot work (for example, riveting, welding, cutting, burning, and heating) is to be performed during entry.
5	MONITOR	Continuous air monitoring is recommended while the confined space is occupied. A gas meter should be worn by an employee in the confined space. Pre-entry retesting for air contaminants in the confined space atmosphere must be made after every work break. If the detector alarms, immediately exit the space until normal conditions are achieved.
6	LOCKOUT-TAGOUT	Follow proper Lockout-Tagout procedure(s) referenced on the front side of the assessment if the equipment poses a hazard to the type of service being performed.
7	PERFORM SERVICE	Perform service work. Upon servicing, if it is determined that hot work is to be performed (for example, riveting, welding, cutting, burning, and heating) a separate Hot Work Permit must be completed before continuing with service.
8	LEAVE SAFE	Ensure equipment is functioning properly or at a safe state to leave unattended. Remove all tools and equipment. Close doors, access covers, and any other points of entry that were moved or modified to enter space. Put confined space equipment back in its designated location. Be sure to provide completed permit(s) to the facility representative to keep on file.

Confined Space EXIT Scenarios		
#	SCENARIO	DESCRIPTION OF REASON TO EXIT
1	ALARM	Safely cease work/service and exit area if your personal gas alarm or facility alarm is activated or if the attendant requests that an exit is necessary.
2	MEDICAL	Safely cease work/service and exit area if you feel light headed, tired, experience irritation on skin or eyes, or other general discomfort. Notify Entry Supervisor before reentry.