



Confined Space Cadets

Instructions to the group:

BRIEFLY review the following list of 6 conditions within your group. Then, read the cases below and indicate the status of each case by listing the condition(s) that apply. Defend your choices by listing the reasons for your decision.

Conditions:

1. No reasonable safety hazard, perform work as normal.
2. Does not meet requirements of a Confined Space, but does have other safety issues that must be addressed.
3. Meets the requirements of a Confined Space with low risk of additional jobsite hazards
4. Meets the requirements of a Confined Space with potential high risk of
5. additional jobsite hazards or has the potential for conditions to change
6. Meets the requirements of a Confined Space with the additional jobsite hazards that has the potential to be reduced with one or two engineering controls implemented or modified.
7. Meets the requirements of a Permit Required Confined Space. No work can be performed right as is. The full 29 CFR 1926.146 must be implemented.

Cases:

Case #1: The tank must be entered to repair and clean the drain gate at the bottom. The tank normally holds Benzene. The only opening is at the top of the tank and there seems to be some liquid at the bottom. The employer sent PAPRs and an Air Monitor Unit with instructions to the jobsite. You're the foreman, 2 apprentices were sent to go into the tank. What status is this and why?

Status # _____ Why _____

Case #2: You must enter over a wall that surrounds an 80,000-gallon tank of water. The wall is 6 feet tall. There are 2 sets of stairs to enter the pit on the South Side and North Side. This is an emergency phone on the inside of the wall. :Your task should take about 2 hours. What status is this and why?

Status # _____ Why _____

Case #3: Three workers must enter a trench that is 5 feet deep, 6 feet wide and 75 feet long. There are 2 new lines that will carry Hydrogen Sulfide within this trench. The

trench is properly constructed and supported. There is no rain in the forecast. The task should take only about 4 hours to complete. The stepladder used is constructed of fiberglass that is designed to support 150 lbs. A fourth worker with stand topside and service the needs of the workers. What status is this and why?

Status # _____ Why _____

Case #4: A new building is under construction; the new bathroom is nearly finished. The plumber requires 8 hours to complete her task. The ventilation system is not yet functioning and there are no windows. There is a strong pungent odor from the adhesive bonding between the counter top and the cabinets. No one can offer any information or MSDS of the adhesive. What status is this and why?

Status # _____ Why _____

Case #5: An Insulator Apprentice is sent to unload a tractor-trailer of Calcium Silicate insulation. Calcium Silicate is a hard, very dusty and heavy product. The outside temperature is 91F, 85% humidity and bright sunshine. Drinking water is made available. The large doors are open, the side door is opened but boxes have blocked the opening. What status is this and why?

Status # _____ Why _____

Case #6: An electrician must perform work in an elevator shaft on an internal ladder to complete several connections at various levels. The shaft is 5 stories high and well ventilated. The elevator is locked and tagged out of service and all five doors are opened. The electrician is offered a half APR respirator for added protection because there are some insulated pipes that have Asbestos on them. What status is this and why?

Status # _____ Why _____

Case #7: Workers are transported in the back of a box van. The typical worker will spend about 30 minutes a day in this truck. The benches are several cinder blocks with a plank spread across them. There are no vents, other than the back door being open. When the van is not being used to transport men, it is used to redeliver material for scaffolding equipment, used transporting and demolished steel pipes and valves to the dumpster. What status is this and why?

Status # _____ Why _____
