1) Your inspecting a facility for which you have no facility information. The o/o has just bought the facility and has no records of any kind. How do you determine construction of the tanks and piping? How do you resolve the records issue?

2) Facility has an impressed current protection system. Reading of the rectifier shows 10 volts, 0 amps. What would your first observation be? When you survey the system, you find that the measurements are at +850 millivolts. Again, what is your observation?

3) Once onsite, you obtain ATG printouts for tank release detection. The printouts show that the test passed at 30% volume and you know that the 3rd party certification for that model of ATG is for 50% volume or more. What is your determination of compliance?

4) Facility had interior lining installed in ’98. In 2000, they had CP added to tanks. In 2009 you have occasion to inspect this facility. You find that the CP test records are in order. However, there has been no 10 year inspection of the interior lining. Is this o/o in compliance?

5) Facility has 3 FRP tanks, FRP piping, and MLLD’s. All equipment seems to be in order. o/o uses SIR for release detection. When you look at records, there is no function test for MLLD’s and the last 12 months of SIR results. There are records of SIR for 12 months previous to the last 12 months. After questioning the o/o, you find that the o/o is submitting inventory control only once a year, getting SIR results for 12 months at one time. Is the o/o in compliance? What about function test?
6) Your inspecting a facility that has MLLD’s. You observe that the MLLD’s are FXV’s. When you look at the inspection reports for the function tests, the vendor has indicated PLD’s for the MLLD’s. How do you resolve this issue?

7) You’re inspecting a facility and looking for overfill protection. You see that the tank has automatic shut off valves in the drop tubes. Upon further inspection, you lift a cover to discover that the tank also has ball float valves. What is the issue here?

8) Came across a situation where our records indicated that a facility had 3 active tanks and one that was temp out. I found 4 active tanks at the facility. Turns out that the temp out tank had been replaced, and we had no record of the removal or installation. There was no ATG sensor, overfill protection, and appropriate inventory records for the tank which had been in operation for two years. Opened a sump lid only to find that the sump was full to the brim of fresh gasoline. The sump was contained and had a volume of at least 100 gallons. There I was with my metal pry bar prying open a steel lid. What do we do?

Other things like language barriers, vehicles parking on lids and deteriorating (fragile) equipment can prolong a normally routine inspection, sometimes making the inspection impossible.