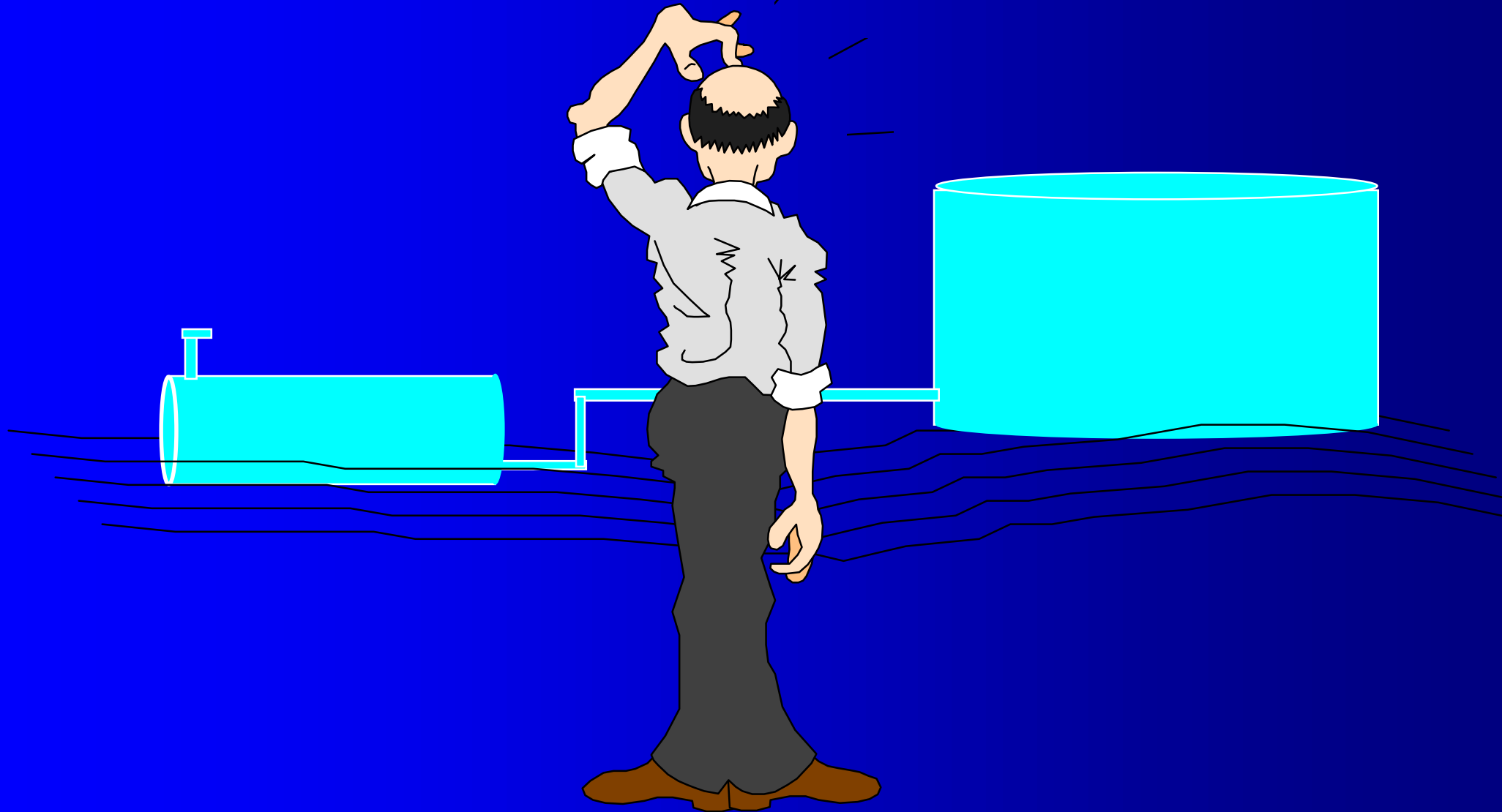


# **Subtitle I Program Overview**

# Purpose Of Subtitle I

- **In 1984 Congress enacted Subtitle I as part of the HSWA to control leaks from USTs.**
- **Subtitle I established design standards and operating requirements that affect USTs containing either petroleum or CERCLA hazardous substances.**

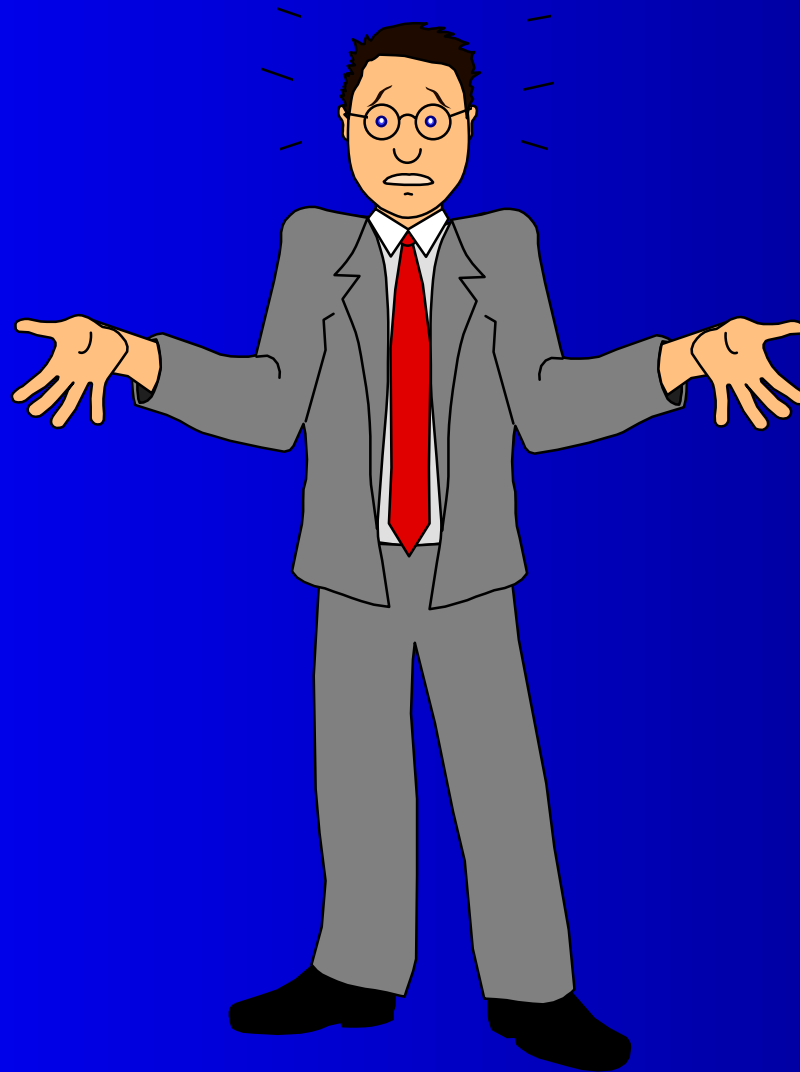
What are the key terms when defining an UST?



# Statutory Exclusions from the Definition of UST

- **Subtitle I *statutory* language excludes nine types of tanks from the definition of UST**
- **EPA *regulatory* exclusions/deferrals**
  - **USTs holding hazardous wastes**
  - **UST systems containing radioactive material**

So . . . what are my responsibilities if I own and/or operate an UST?



# UST Performance Standards And Operating Requirements

- **Subtitle I of HSWA directs EPA to develop performance standards for new tanks that address:**
  - **design**
  - **construction**
  - **installation**
  - **release detection**
- **EPA was also required to develop requirements applicable to owners and operators concerning:**
  - **leak detection**
  - **record keeping**
  - **reporting**
  - **corrective action**
  - **closure**

# Design And Construction Of USTs

**EPA developed performance standards for:**

- **tanks**
- **pipng**
- **spill and overfill prevention equipment**

# UST Installation

- **All tanks and piping must be installed in accordance with a code of practice developed by a recognized association or independent testing laboratory and in accordance with manufacturer instructions.**
- **Owners and operators must certify on the UST notification form that tanks have been properly installed.**

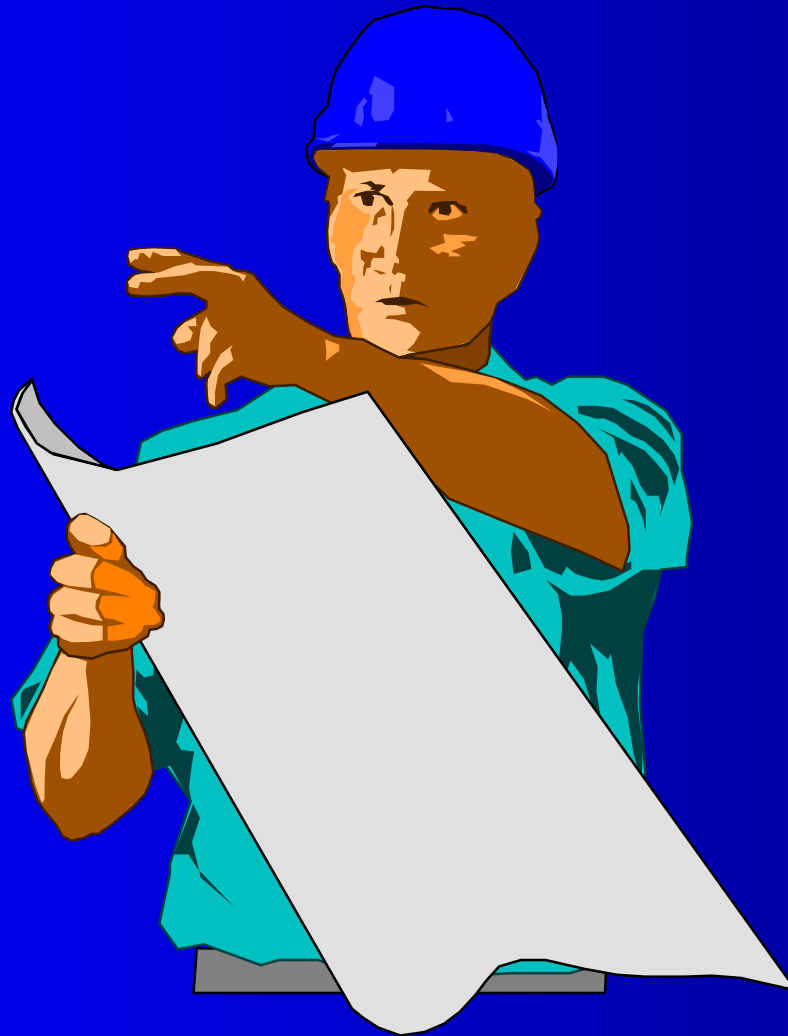


# Release Detection

**All facilities must have a release detection method that:**

- **is capable of detecting a release from any portion of the tank or piping;**
- **is installed and maintained in accordance with the manufacturer's instructions, including routine inspections; and**
- **is capable of meeting performance standards that have been designed for the chosen release detection method.**

What if my detection system indicates a release has occurred?



## **Release Reporting, Investigation, And Confirmation**

- **Owners and operators must report suspected releases to their regulator within 24 hours.**
- **Unless corrective action is initiated, owners and operators must investigate and confirm all suspected releases within 7 days.**
- **Investigation and confirmation require a system test and site check.**

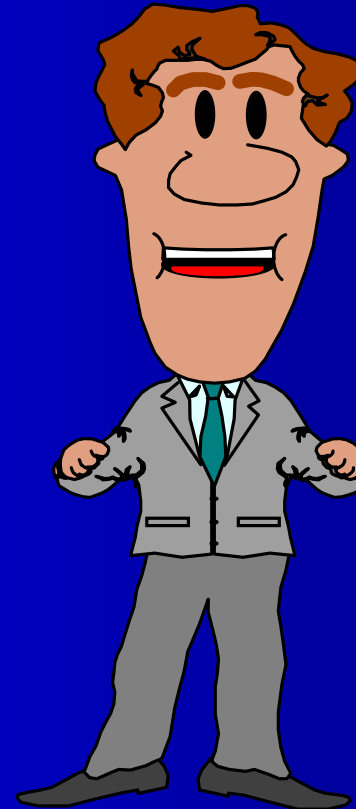
**Oh no. I've confirmed a  
release . . . WHAT NOW???**

## **Release Response & Corrective Action**

**Owners and operators must comply with the  
following upon confirmation of a release:**

- Initial response**
- Initial abatement measures and site check**
- Initial site characterization**
- Free product removal**
- Investigation for soil and ground-water cleanup**
- Development of corrective action plan**
- Public participation requirements**

To Close  
OR  
Not to Close?



# Temporary Closure

- **When a UST system is temporarily closed, owners and operators must continue to comply with all Subtitle I regulations except that release detection is not required when the system is empty.**
- **When a system is closed for 3 months or more, owners and operators must leave vent lines open and functioning and must cap and secure all other lines, pumps, manways, and ancillary equipment.**
- **If closed for more than 12 months, the system must be permanently closed if it does not meet performance or upgrade standards.**

# Permanent Closure

- **Owners and operators must notify their regulator within 30 days of beginning permanent closure (or initiating a change of service).**
- **To permanently close a tank it must be cleaned and either filled with an inert material or removed from the ground.**
- **Before permanent closure (or change in service) is completed owners and operators must conduct a site assessment.**

# Reporting

**Owners and operators must submit the following to their regulator:**

- **Notification of all UST systems**
- **Reports of all releases including suspected releases, spills and overfills, and confirmed releases**
- **Corrective actions planned or taken in response to a release**
- **Notification before permanent closure or change in service**



# Recordkeeping

**Owners and operators must maintain the following information:**

- **A corrosion expert's analysis of site corrosion potential if corrosion protection equipment is not used**
- **Documentation of operation of corrosion protection equipment**
- **Documentation of UST system repairs**
- **Recent compliance with release detection requirements**
- **Results of the site investigation conducted at permanent closure**

# Subtitle I In Summary

- **Subtitle I regulates USTs containing**
  - **Petroleum**
  - **CERCLA hazardous substances**
- **Owners and operators of UST systems must meet the technical and administrative requirements of 40 *CFR* 280 including those addressing:**
  - **Design and construction**
  - **Installation and notification**
  - **Reporting and record keeping**
  - **Release detection**
  - **General operating requirements**
  - **Release reporting, response, and corrective action**