

UST Inspector Training Webinar
May 25th 2011

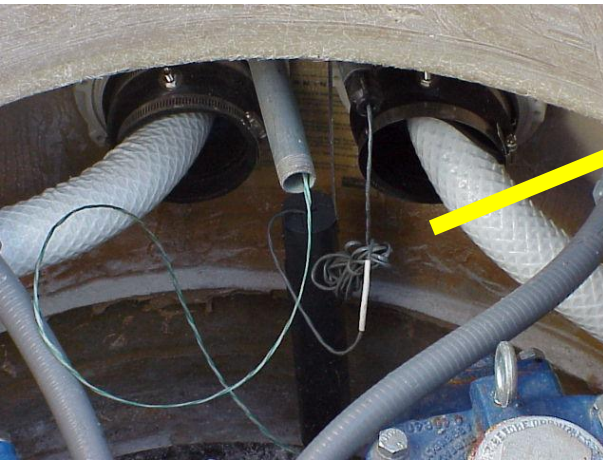
NEW Installations

PRE-Installation

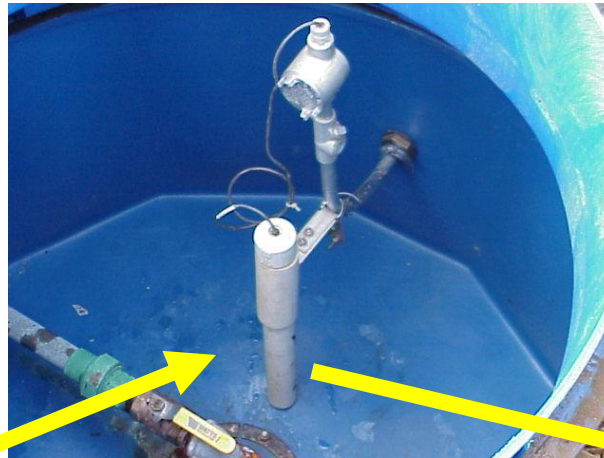
Starting Right Eliminates Lots of Issues

Pre-Installation –Checks

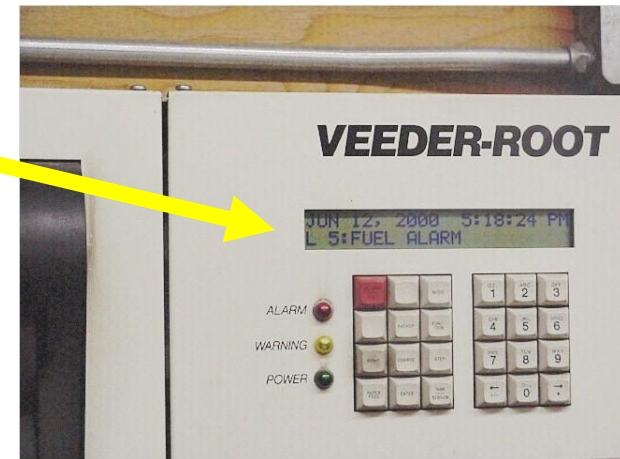
- Design is the Beginning of LEAK DETECTION
- PEI & API Standards are Followed & Confirmed
- Tanks & Piping Compatible with Fuel Types
- Leak Detection is Correct system for USE
- Equipment Certifications are in Hand Prior Install



**Double wall pipe with
open interstice**



Sump and sensor



**Gauge with electronic
read-out**

DESIGN with a PURPOSE!

Post Installation Testing



Are all Installers Created EQUAL?



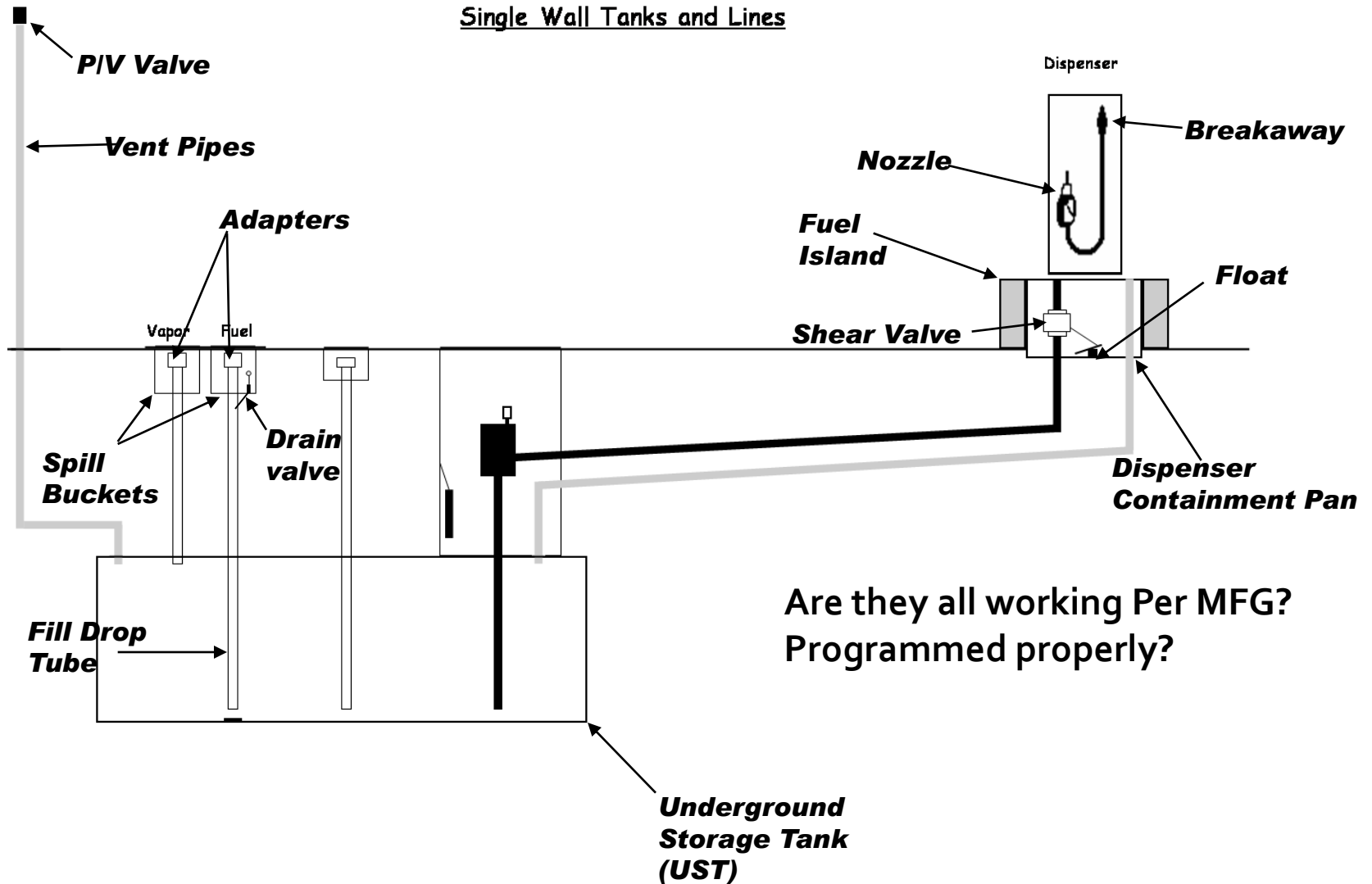


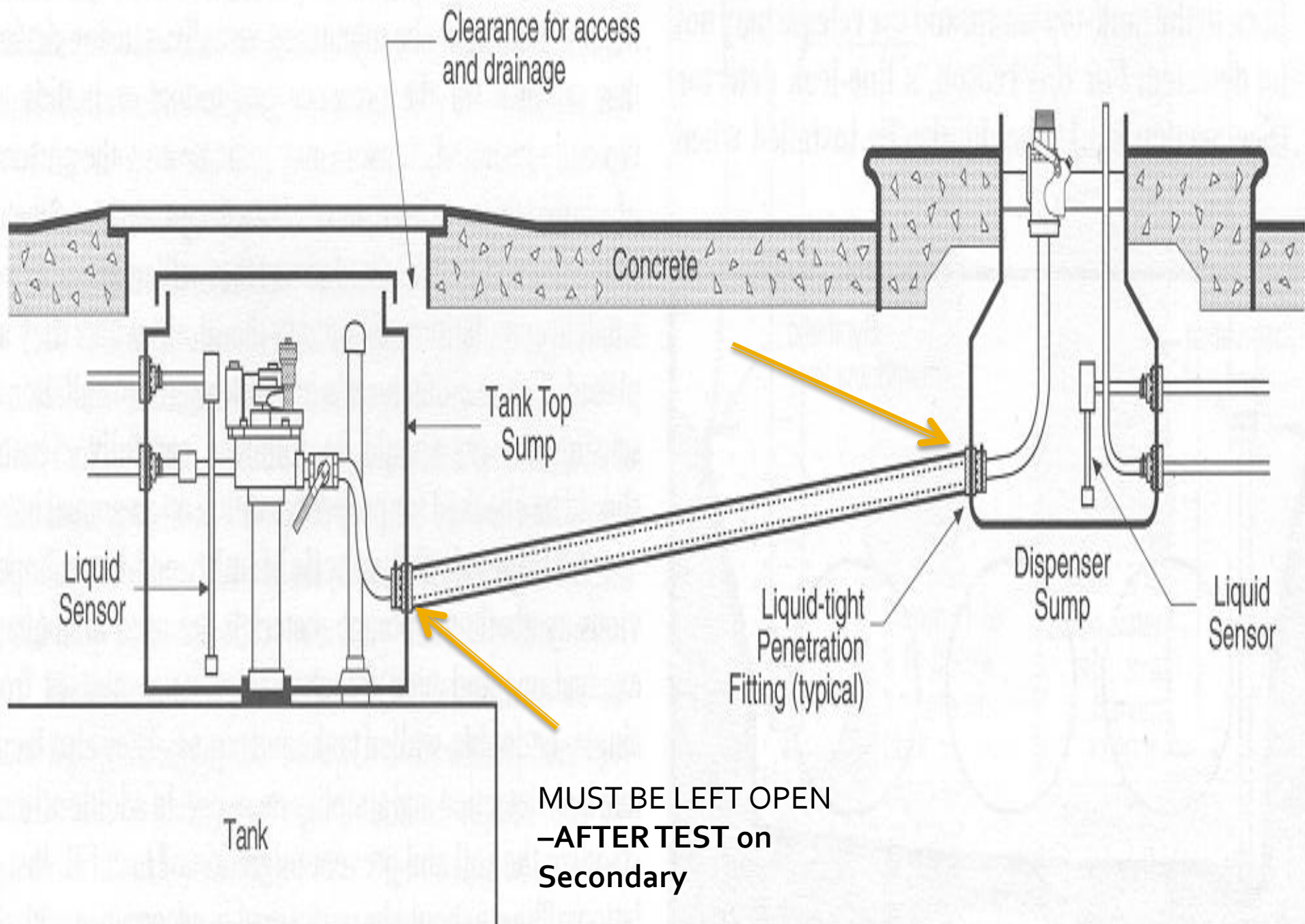
What should be tested

- Tanks- Run ATG 90% full or Precision Test
- Ullage to Include all tank top fittings
- Lines run at least .1 or Precision Test
- Leak Detection System
- Overfill Systems and Alarms
- All Sensors tested prior to Opening
- Secondary Equipment
- Spill Buckets
- System Check list for Daily, Monthly, Yearly

Typical Underground Storage Tank Configuration

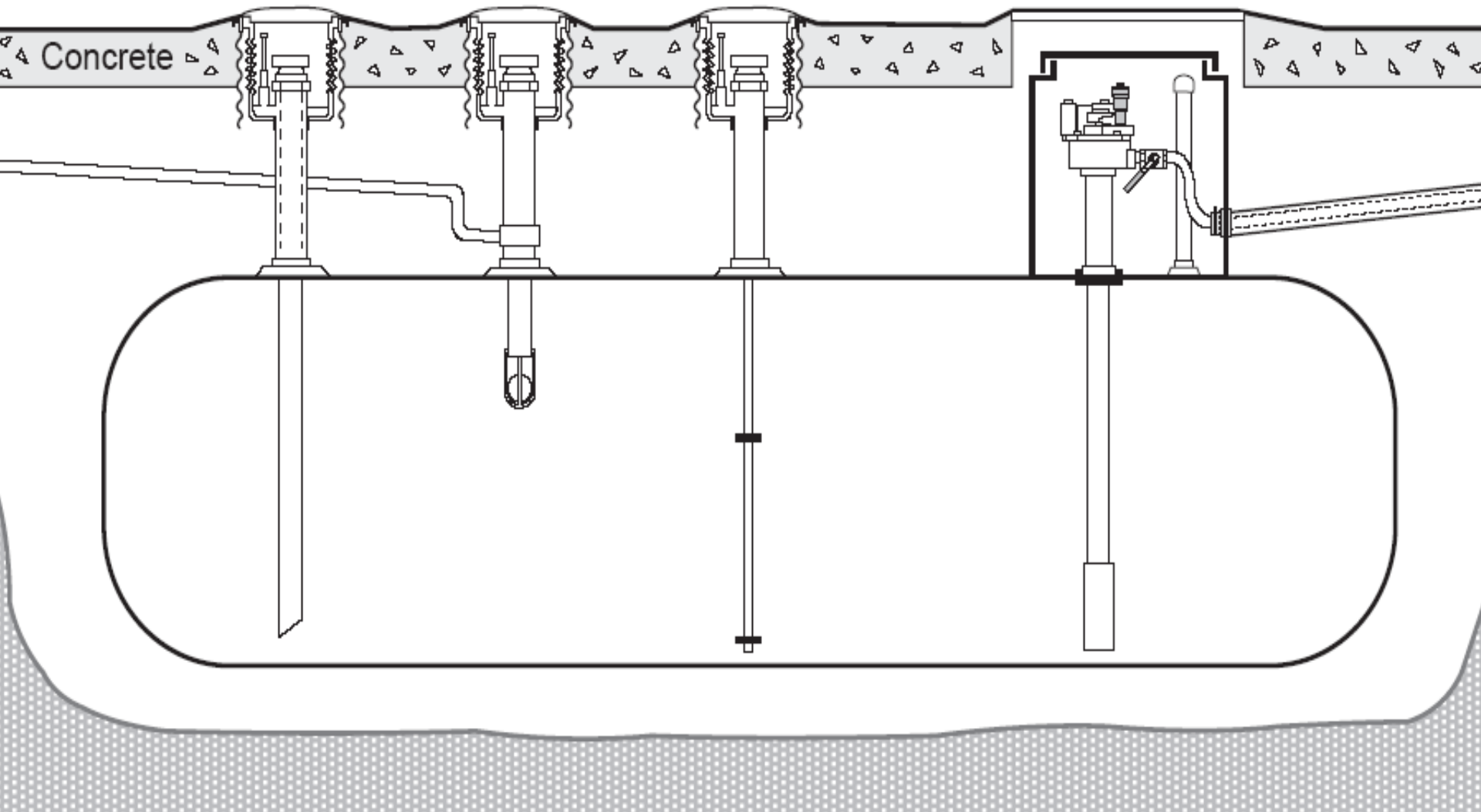
Single Wall Tanks and Lines























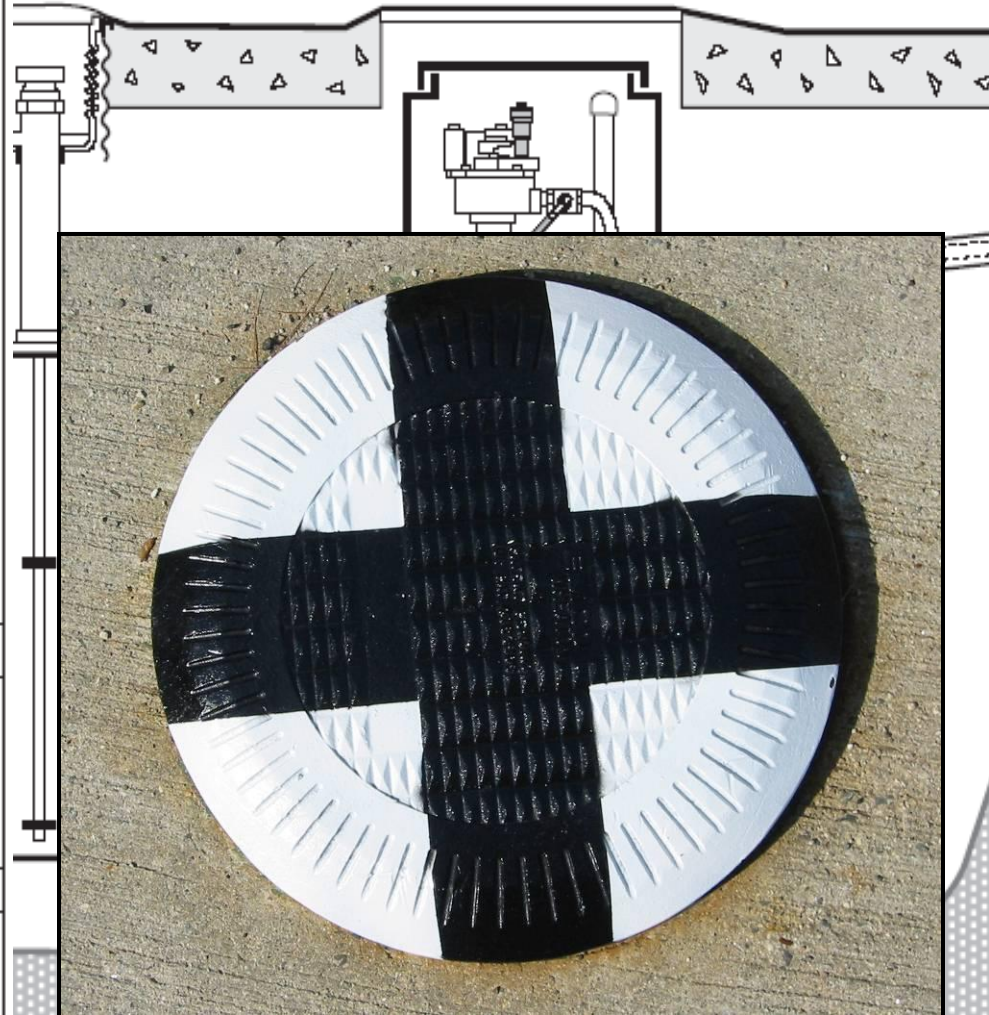
Boots need to be open at SUMP



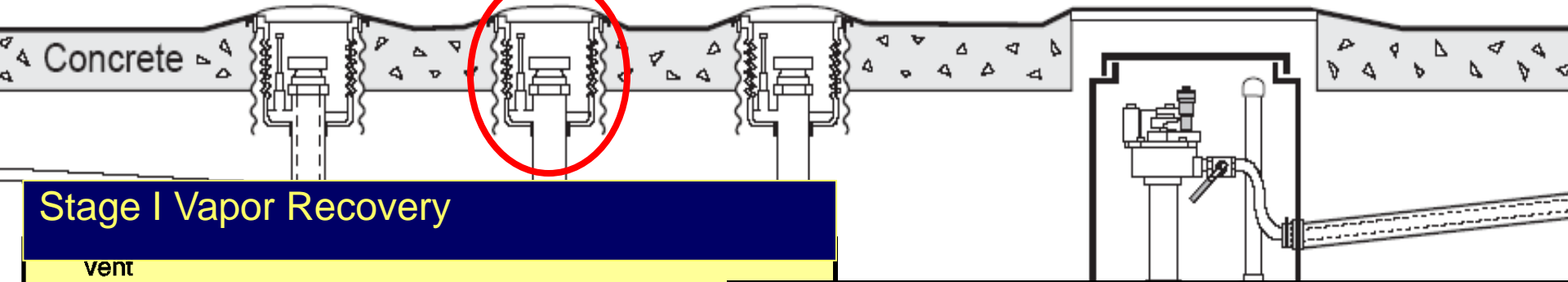


Fill

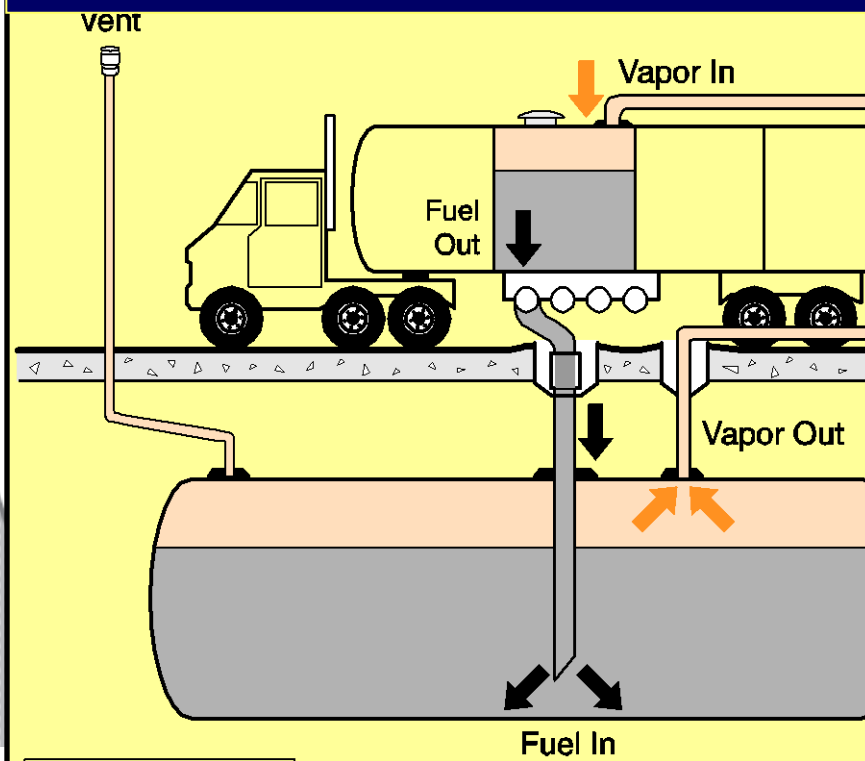
GASOLINES		DISTILLATES		
Unleaded		Ultra Low Sulfur	Low Sulfur	High Sulfur
High grade			 Diesel	
Middle grade			 No. 1 Fuel Oil	
Low grade			 No. 2 Fuel Oil	
			 Kerosene	
ALCOHOL-BASED FUELS		BIO DIESEL		
				
USED OIL	OBSERVATION OR MONITORING WELL		VAPOR RECOVERY	
				



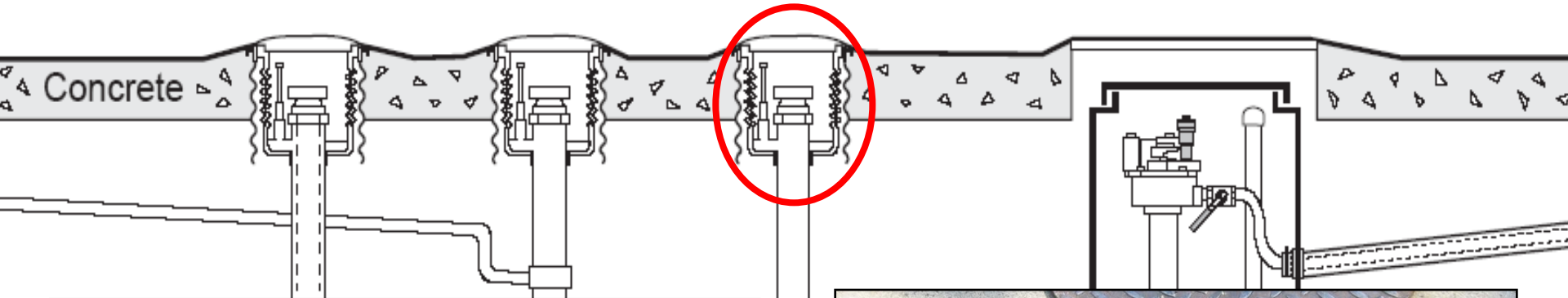
Vapor
Riser



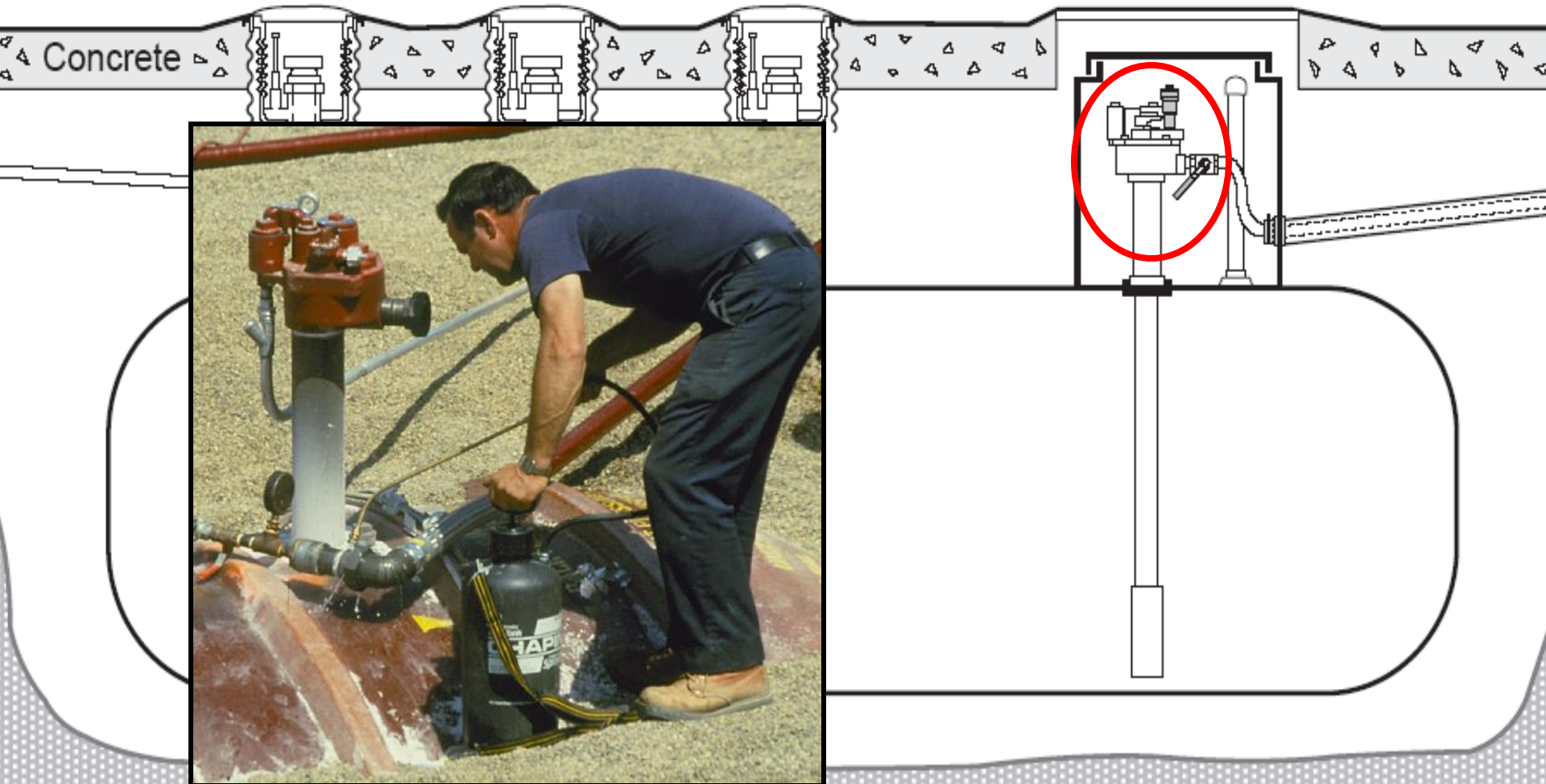
Stage I Vapor Recovery



Gauge
Riser



Pump
Riser



Interstitial Riser



Pre-Operational Check



Always Looks Good in the Beginning



You are Here



Knowledge



Awareness



Competency



Compliance

The Question: Will you do what it takes to protect their future?



Protection