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Dual Wall Storage Tanks

Sometimes referred to as secondary containment tanks

What is considered the interstice?

How big is the interstice???????

Should the interstice contain 110% of the primary tank?

Why NOT???????

Okay…How is a dual wall tank built?

You have to start with making the heads

Finished Head Product

Steel Material is purchased on CTL Sheets

So we start with a blank, flat sheet of steel

Then you have to roll a primary shell
This is how it starts

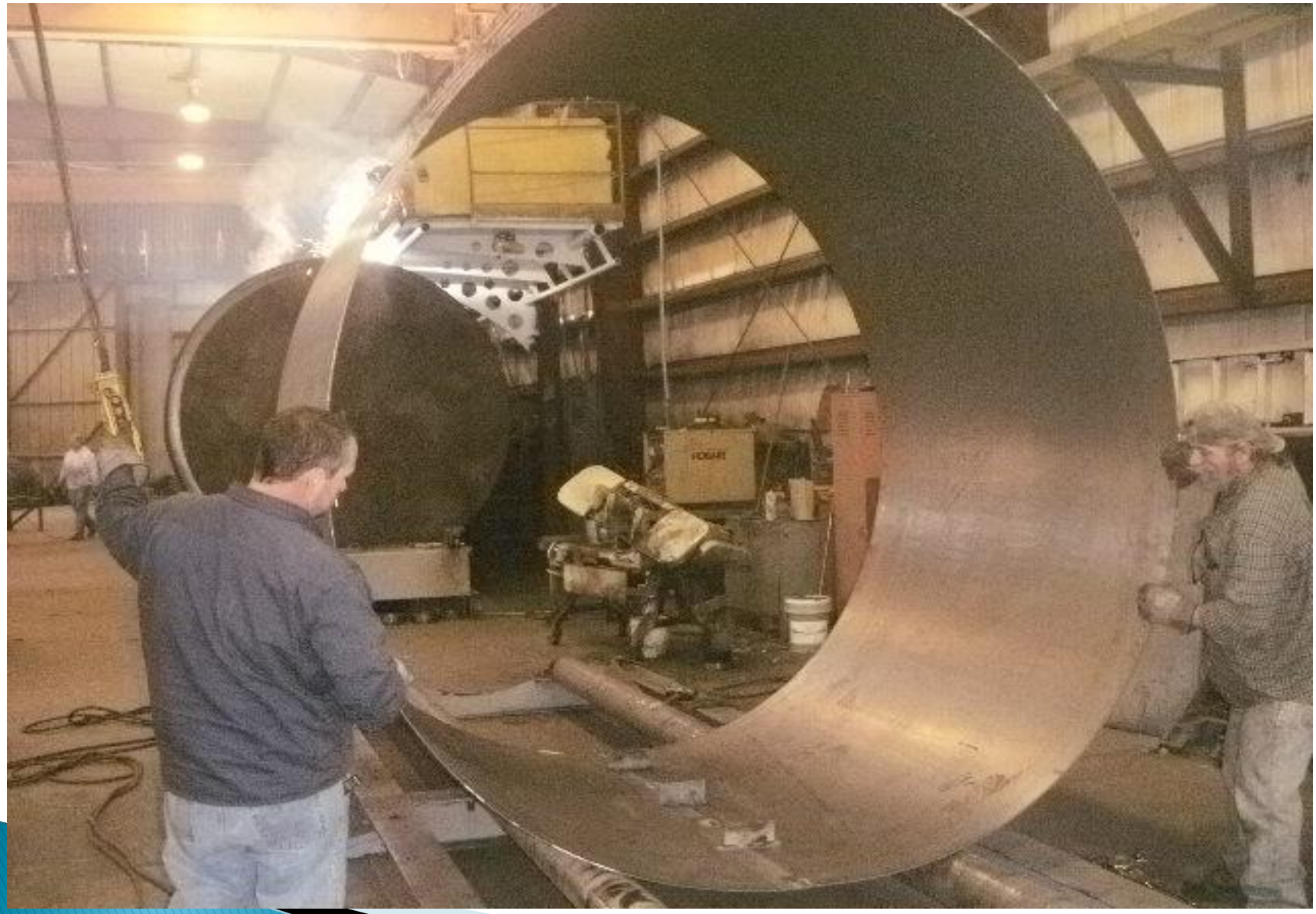
This is rolling the primary shell


DANGER

Welding the rings together

Setting the rings on the fit up rolls

Adding rings to get the length of the tank required



Adding an additional ring to get the proper length

Weld the inside of the primary tank – Butt welding

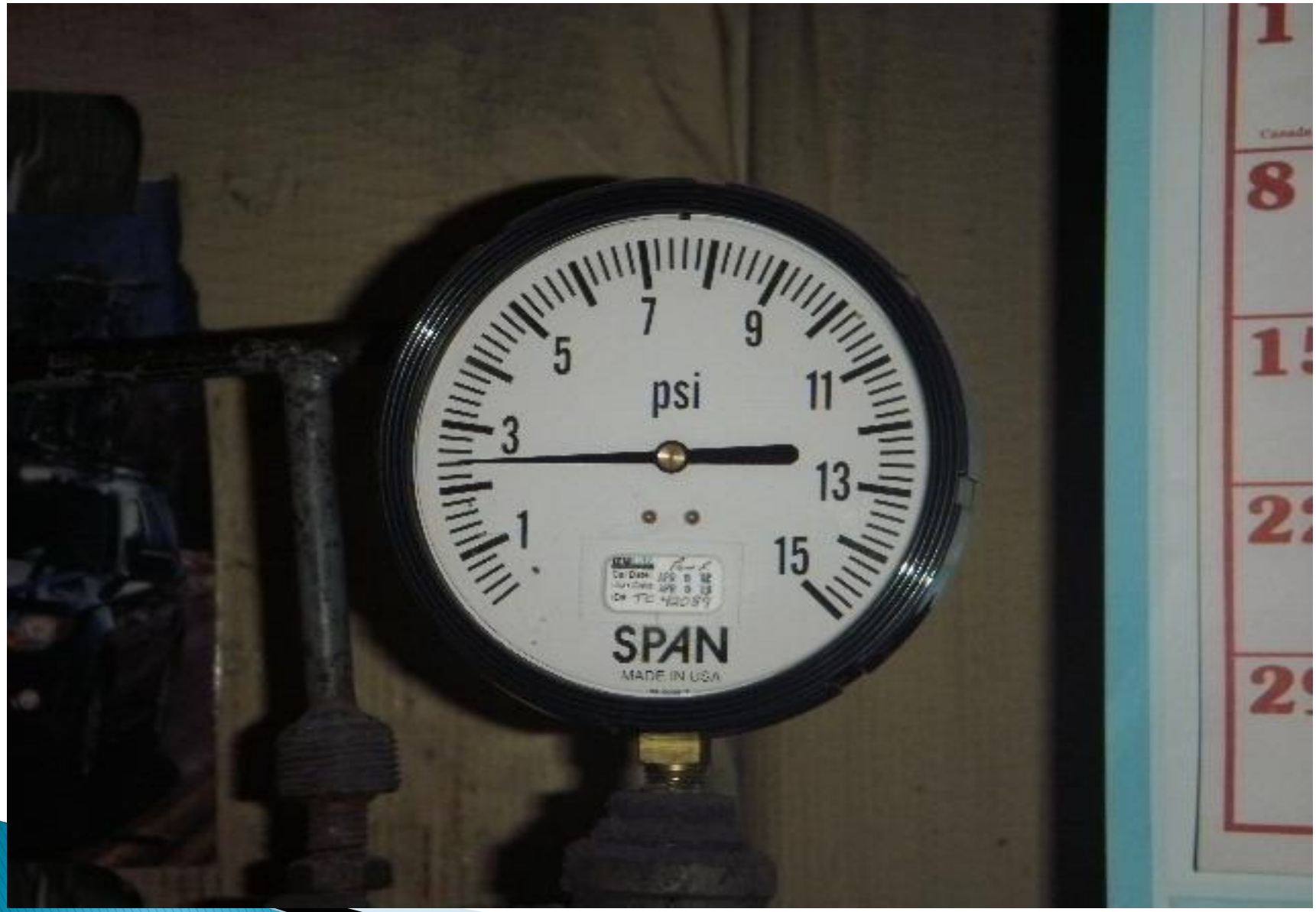
Compartmentalize Dual Wall Horizontal

Install the heads – One on each end

Hand welded on the primary tank

Finished welding on primary tank

Air Primary tank to 5 psi for testing



Testing the tank with a “secret” solution

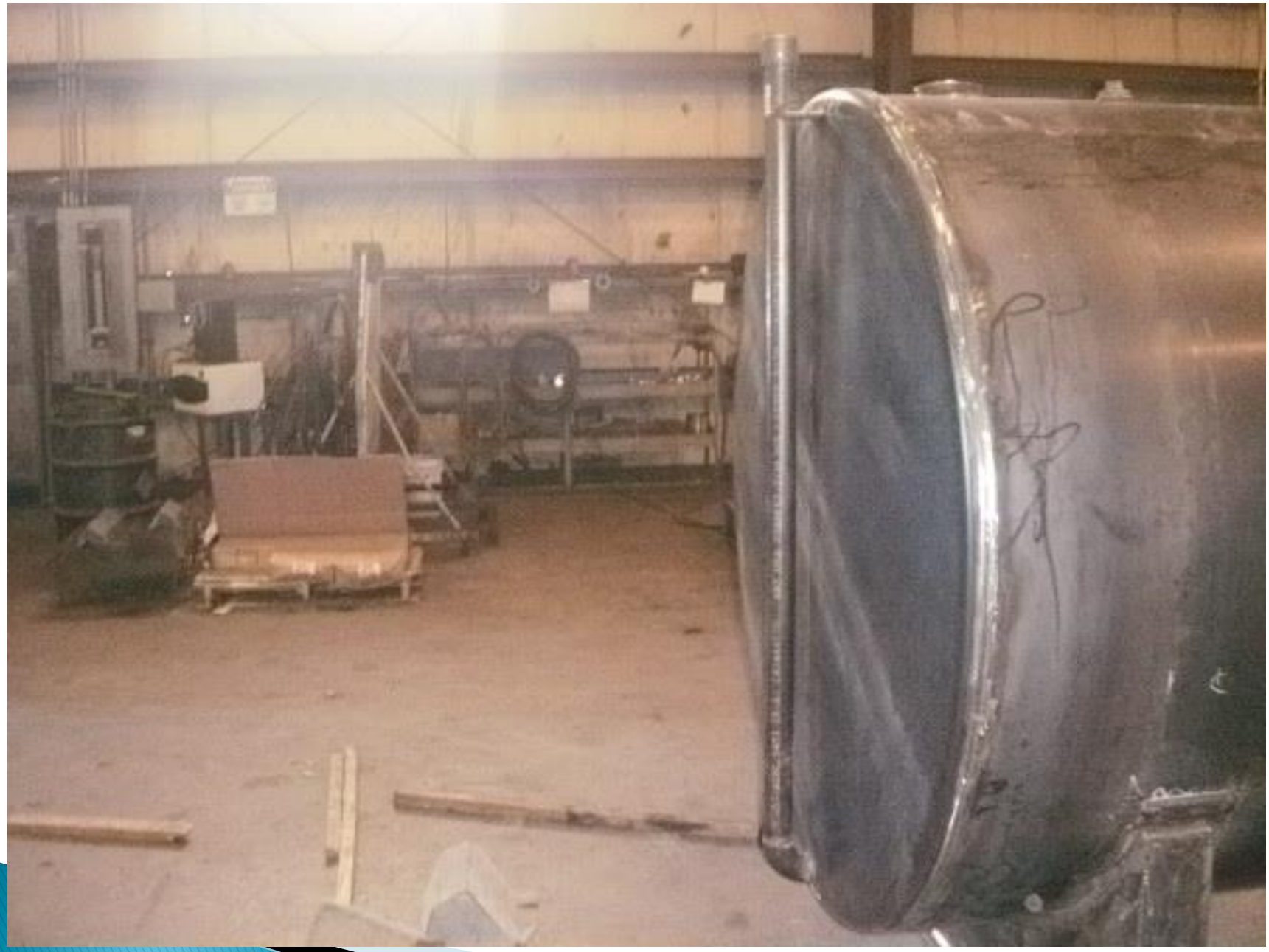
Second Outside Head for DW

Putting the Primary inside the Interstice


CM

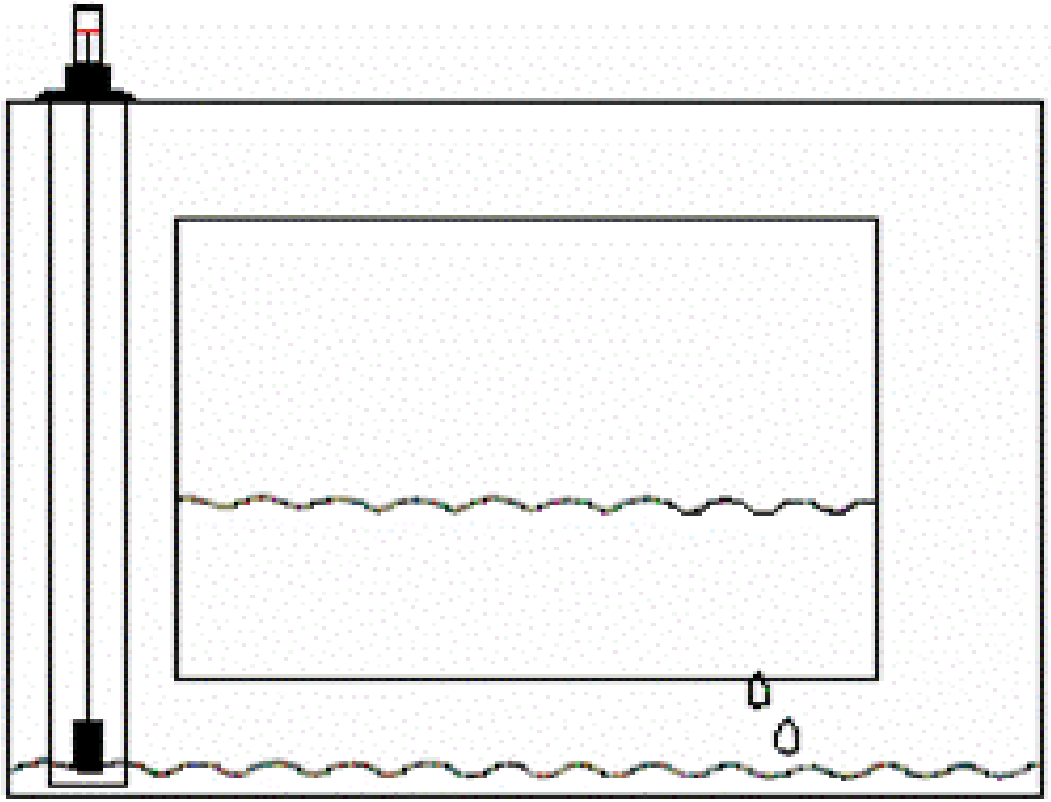
Installing the head

Attach Come-A-Long to pull outer wrap tight against tank




Steel
F921

In expensive float gauge detects liquid in the interstice.



TSP-EIS

- **Electro-Optic Interstitial Sensor**
  - Non-Discriminating Sensor
  - Normally Closed Circuit
  - Three wire sensor
- Installed in dry double-wall tanks or other locations where presence of liquid indicates a leak has occurred
- Utilizes a light-emitting diode and prism to indicate if a leak has occurred
- Indicates following alarms
  - Sensor on

TSP-DIS

- **Discriminating Interstitial Sensor**
  - Discriminating Sensor
  - Brite Sensor identification
  - Three wire sensor
- Installed in dry double-wall tanks or other locations where presence of liquid indicates a leak has occurred
- Utilizes a light-emitting diode and prism to indicate the presence of liquid
- Miniature probes at the end of the sensor distinguish between petroleum and water
- Indicates following alarms
  - Product Alarm
  - Water Alarm
  - Sensor malfunction


CardMaster


FILL-RITE


08/02/2013 08:04 AM


SHOP


06/15/2011 02:19 PM

Questions?????