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
DESIGN with a PURPOSE!

Double wall pipe with open interstice

Sump and sensor

Gauge with electronic read-out
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
Are they all working Per MFG? Programmed properly?
Clearance for access and drainage

Tank Top Sump

Liquid-tight Penetration Fitting (typical)

Dispenser Sump

Liquid Sensor

Tank

MUST BE LEFT OPEN

—AFTER TEST on
Secondary
Boots need to be open at SUMP
### GASOLINES

<table>
<thead>
<tr>
<th>Unleaded</th>
<th>Ultra Low Sulfur</th>
<th>Low Sulfur</th>
<th>High Sulfur</th>
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<tbody>
<tr>
<td>High grade</td>
<td><strong>U</strong></td>
<td>Diesel</td>
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<tr>
<td>Middle grade</td>
<td></td>
<td>No. 1 Fuel Oil</td>
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<td>Low grade</td>
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<td>No. 2 Fuel Oil</td>
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<td>Kerosene</td>
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### DISTILLATES

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### ALCOHOL-BASED FUELS

| **E85** | **B2** |

### BIODIESEL


### OBSERVATION OR MONITORING WELL


### VAPOUR RECOVERY


### Fill

The image shows a section of a fuel storage facility with various symbols indicating different fuel types and storage areas. The diagram includes a table outlining the types of fuels and their corresponding symbols.
Stage I Vapor Recovery
Gauge Riser

Concrete
Pre-Operational Check

- Inspect overfill alarms
- Inspect drop tube overfill device
Always Looks Good in the Beginning
The Question: Will you do what it takes to protect their future?