

A large, dark, cylindrical underground storage tank (UST) is being lifted by a crane. The crane's boom extends from the right side of the frame. The tank is suspended by several cables. In the foreground, there are large piles of gravel and a red wheelbarrow. The background shows a clear blue sky with some light clouds and a distant mountain range. The overall scene is a construction site for the installation of an underground storage tank.

# Underground Storage Tank Self-Certification Workshop

Presented by the Vermont Department of  
Environmental Conservation Underground  
Storage Tank Program

# Why Are We Here Today?

- Environmental Results Program
  - Combines several State Programs
  - Self-certification (you help us)
  - Compliance assistance (we help you)
  - Performance measurement/tracking



# What We Will Cover Today

- Review of basic compliance requirements
- The essentials of self-certification
- Demonstration of on-line self-certification

# Basic Compliance Requirements for Tank Owners

- Who must comply:

## Category One Tank owners


- Any tank *other than* for on-premises heating fuel
- Any tank *other than* farm or residential tanks used for motor fuel



# Basic Compliance Requirements for Tank Owners


1. Spill Prevention
2. Overfill Prevention Devices
3. Corrosion Protection
4. Release detection for tanks and piping
5. Recordkeeping
6. Reporting problems/repairs to us
7. Vapor Recovery/Floor Drains/Fuel-contaminated waste ▶

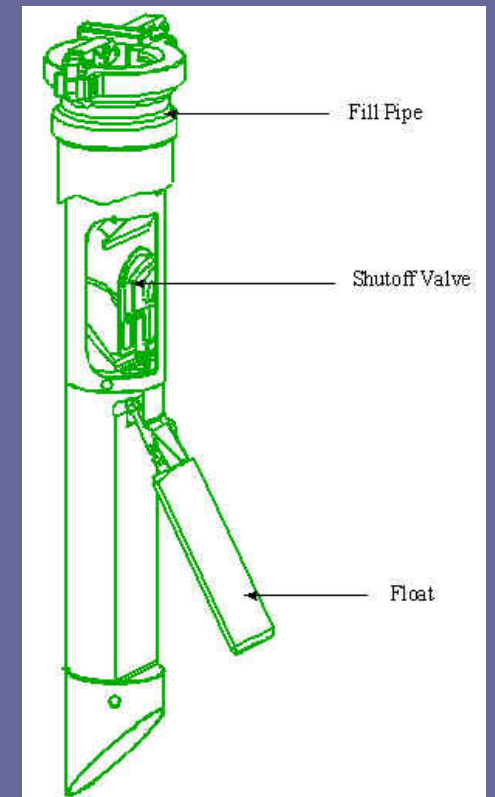
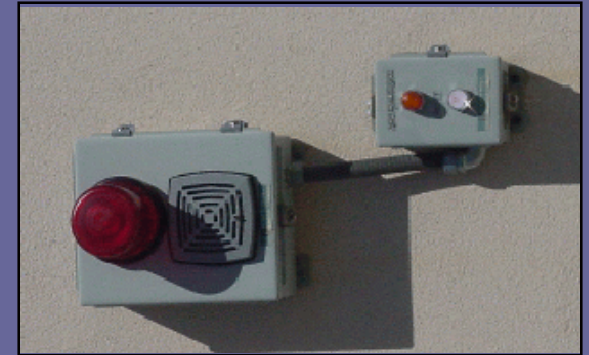
# Spill/Overfill Prevention Measures

- Tank diagram
- Product identification
- Spill buckets 



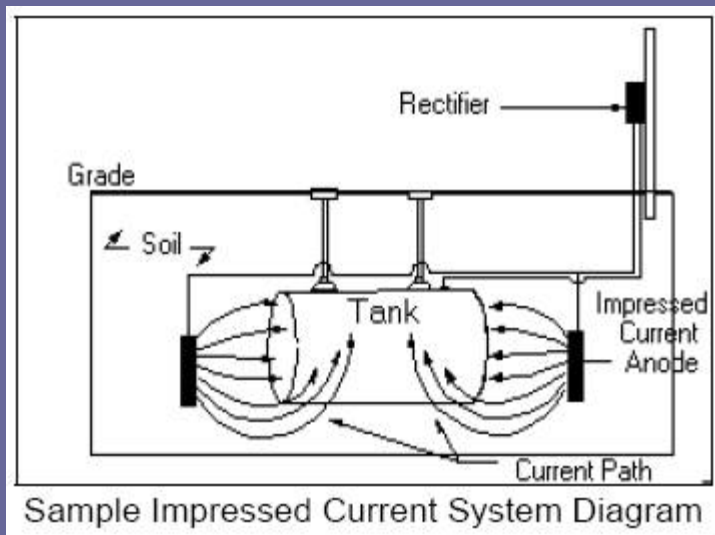
# Overfill Prevention Devices

- What are they?
- Ball float
- Automatic Shutoff (flapper valve)
- Overfill alarm
- Vent whistle
- Manual measurement 



# Corrosion Protection

- How is your tank and piping protected from corrosion?
- Cathodic Protection requires testing 🏠



# Release Detection

- For Tanks
  - In-tank monitor: leak tests
  - Interstitial monitoring: system status
- For Piping
  - Is it exempt?
  - Line Leak Detectors (LLDs)
  - Interstitial monitoring
- Once a week 🏠



# Leak Test Reports

```
MAR 21. 2007  9:40 AM
LEAK TEST REPORT
T 1:SUFR
PROBE SERIAL NUM 405476

TEST STARTING TIME:
MAR 20. 2007 12:01 AM

TEST LENGTH =    4.0 HRS
STRT VOLUME = 2176.7 GAL

LEAK TEST RESULTS
0.20 GAL/HR TEST PASS

* * * * * END * * * * *
```

```
OCT 19. 2006 11:22 AM
LEAK TEST REPORT
T 1:SUFR
PROBE SERIAL NUM 405476

TEST STARTING TIME:
OCT 17. 2006 12:01 AM

TEST LENGTH =    4.0 HRS
STRT VOLUME = 713.1 GAL

START TEMP =    57.4 F
END TEMP =    57.4 F

TEST PERIODS 2-8
-0.00  0.00  0.00 -0.00
 0.00 -0.00  0.00

LEAK TEST RESULTS
RATE = 0.00 GAL/HR
0.20 GAL/HR TEST INVL

0.20 GAL/HR FLAGS:
LOW LEVEL TEST ERROR
PERCENT VOLUME TOO LOW

* * * * * END * * * * *
```



# System Status Reports

APR 20. 2007 12:37 PM

SYSTEM STATUS REPORT  
-----  
ALL FUNCTIONS NORMAL

SEP 14. 2006 10:30 AM

SYSTEM STATUS REPORT  
-----  
L 1:FUEL ALARM  
L 2:FUEL ALARM




# Recordkeeping

- Document your:
  - Weekly release detection
  - Repairs
  - Cathodic protection system checks
  - Other periodic testing results
- Keep it all for one year or until next test 🏠



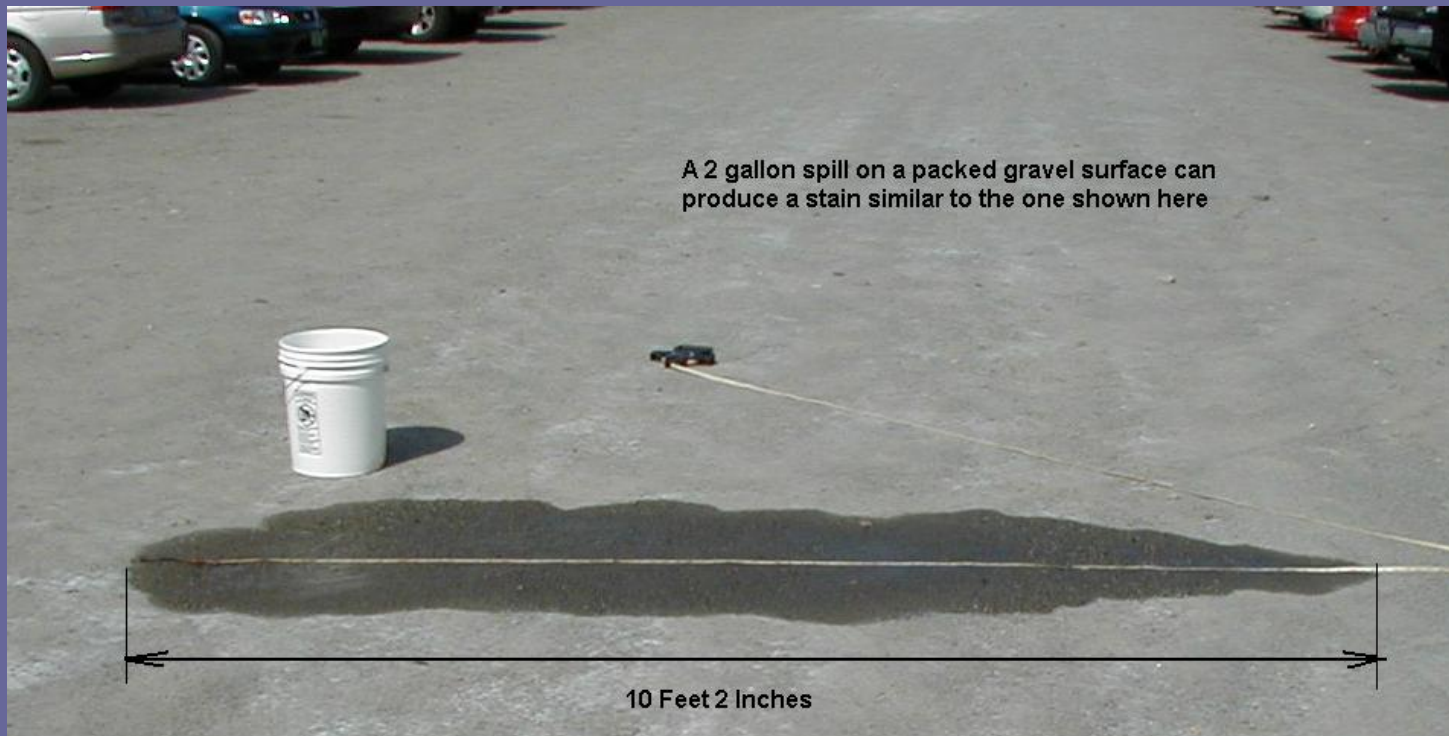
# Reporting a Problem

- Known or suspected release of product, spill
- Equipment failure or unusual operating circumstances/conditions
- Failed cathodic protection test
- When in doubt, call us: 802-241-3888 or
- After-hours # for reporting releases or suspected releases: 800-641-5005 (Emergency Mgmt) 



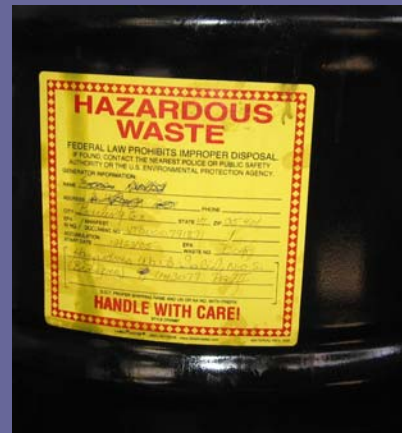
# Reporting a Spill

- Report a spill over 2 gallons or any spill that could affect public health or safety
  - Business hours: 802-241-3888
  - After-hours: 800-641-5005 (Emergency Mgmt)
- Proper disposal of cleanup materials



# Other Programs

- Vapor Recovery-what is it for?
  - Stage I and II
- Floor Drains
  - Are they present?
  - Where do they drain to?
  - Are they managed properly?
- Fuel-contaminated waste
  - Waste generation
  - Waste storage
  - Waste disposal 🏠



# Routine Inspection Results

- Percent of facilities in compliance '06: 59%
- Common problems:
  - No weekly release detection, documentation
  - Problems with spill buckets
- Have you received an NOAV?



# Self-Certification

- Yearly process
- Know your UST system
  - Knowledge is Power!
- More frequent system checks
  - Catch small problems before they become big problems!
- Good self-cert = fewer visits from us!




# Self-Certification Schedule

- First self-certification deadline is September 14, 2007.






# Self-Certification Steps


- Read the workbook
- Complete the checklist
- Correct any easy-to-fix problems
- Return to Compliance 

# The Workbook

- Your UST Reference
- Example: page 17 


What the Symbols in this Workbook Mean	
	<p><b>Requirement</b></p> <ul style="list-style-type: none"><li>– What you <b>must</b> do by law; things you, as an owner or operator, must do or conditions your tanks must meet to be in compliance with Vermont regulations</li></ul>
	<p><b>BMP</b></p> <ul style="list-style-type: none"><li>– What you <b>should</b> do to help prevent leaks; actions or activities you, as an owner or operator, are encouraged to take in order to reduce the potential for leaks</li></ul>
 Information	<p><b>Important general information</b></p> <ul style="list-style-type: none"><li>– Will provide you information to help you understand an UST system regulatory option better</li></ul>

# The Checklist

- Complete only what applies to your UST
- On-line (preferred) or paper checklist
- Checklist references the workbook
- Example: page CC-32 

# Return to Compliance



- Checklist tells you and us what is right and wrong with your system
- Return to Compliance (RTC) tells us how you are fixing what's wrong
- Use RTC plan to address each item in need of “fixing”
- 60 days to complete work and send in Report documenting completion
- Start early to avoid a last-minute crunch! 

# Return to Compliance Plan

## Return to Compliance Plan Underground Storage Tank Compliance Certification Program

- T Only submit a Return to Compliance Plan for violations that you were unable to correct BEFORE certifying.
- T Completing this form does not relieve the facility of its affirmative responsibility to operate in compliance with applicable regulations. Failure to operate in full compliance with the applicable regulations may result in enforcement actions that include fines or penalties.

Facility Contact Information			
<div style="border-bottom: 1px solid black; margin-bottom: 5px;">Facility Name</div>	<div style="border-bottom: 1px solid black; margin-bottom: 5px; text-align: right;">UST Facility ID NUMBER</div>		
<div style="border-bottom: 1px solid black; margin-bottom: 5px;">Facility Street Address</div>	<div style="border-bottom: 1px solid black; margin-bottom: 5px;">City/Town</div>	<div style="border-bottom: 1px solid black; margin-bottom: 5px; text-align: right;">Zip Code</div>	
<div style="border-bottom: 1px solid black; margin-bottom: 5px;">Contact Person</div>	<div style="border-bottom: 1px solid black; margin-bottom: 5px; text-align: right;">Phone Number</div>		

Return to Compliance Information			
Compliance Question #	Which Tank(s) were out of compliance?	Action(s) taken to return to compliance	Return to Compliance Date



# The Role of the UST Program

- Currently on 3-year inspection cycle
- Assist you with coming into compliance
- Target facilities that do not self-certify
- Send NOAVs to facilities that are not coming into compliance
- Refer problems to enforcement
- Recognize outstanding UST stewardship!

# Break



# Summary

- Review of basic compliance
- The why's and how's of self-certification
- On-line demonstration of checklist



# Summary

A large, dark-colored cylindrical tank is being hoisted by a crane at a construction site. The crane's boom extends from the right side of the frame. In the background, there are piles of gravel and other construction equipment under a clear blue sky.

- Remember:
  - Knowledge of your UST system is most useful when it belongs to YOU!
  - You won't have to answer every question in the checklist
  - The UST Program is a resource for you in operating your UST system



**Questions?**

**State of Vermont, DEC  
Underground Storage Tank  
Program**

**802-241-3888**