

Arizona Department of Environmental Quality  
Underground Storage Tank Section  
3033 N. Central Ave.  
Phoenix, AZ 85012

# SPILL & OVERFILL Prevention

*...helping prevent UST system releases.*

## Things to consider about spill and overflow prevention equipment systems.

- 3 All UST systems that transfer greater than 25 gallons of product at any time need spill and overflow prevention equipment systems. Refer to the backside of this pamphlet for more information.
- 3 When choosing the **size** of the spill bucket, remember that a transfer hose holds approximately 14 gallons of product.
- 3 Answer the following questions about overflow prevention equipment to determine the appropriate type for your UST system and remain in compliance with the law:
  - # How will the overflow device effect the usable volume of your tank?
  - # What type of overflow device do I currently have?
  - # At what level should my overflow device be set **-and-** is it set at that level?
  - # Do I have the required certified documentation?

F...602-207-4255

## TTCHECKLIST TT

[www.adeq.state.az.us](http://www.adeq.state.az.us)

### SPILL PREVENTION

- ' Certified Installation Documentation
- ' Size (gallons)
- ' Kept Free of Product, Water and Debris
- ' No Visible Damage

### OVERFILL PREVENTION

- ' Certified Installation & Activation Level Documentation
- ' Type of Overflow Device
- ' Appropriate Activation Level

## Spill Prevention

### What is it ?

- 3 Called *Spill Buckets* or *Catchment Basins*.
- 3 Designed to collect the remaining product left in the delivery transfer hose.
- 3 Needed on UST systems that transfer more than 25 gallons of product at any time.

### Maintenance

- 3 Should be kept free of product, water, and/or debris.
- 3 Should show no signs of damage.

### Required Documentation

- 3 Show the spill bucket was installed by an ADEQ installation and retrofit certified service provider.

*Talk to your ADEQ certified service provider about spill prevention equipment and maintenance options that best suit your UST system.*

## Overfill Prevention

### What is it ?

- 3 Prevents overfilling of a UST system.
- 3 Must be set at the **appropriate activation level** to achieve compliance with the law.
- 3 Needed on UST systems that transfer more than 25 gallons of product at any time.

### 5 Required Overfill Activation Levels

- a. At **95%** or less of tank capacity,  
Automatically shuts off the flow.  
example: fill pipe shut off device
- b. At **90%** or less of tank capacity,  
Alerts the operator by restricting the flow.  
example: ball float valves
- c. At **90%** or less of tank capacity,  
Alerts the operator at the point of transfer by triggering a high-level alarm.  
example: Automatic Tank Gauges (ATGs)
- d. So that no fittings on top of the tank are exposed to a regulated substance using any of the following conditions:
  - At **1 minute** before overfilling alert the operator with a high level alarm that can be heard at the point of transfer;
  - or-
  - At least **30 minutes** before overfilling restricts the flow;
  - or-
  - Automatically **shuts off the flow**.

## Overfill Prevention

### Required Documentation

- 3 For overfill equipment installed **before** December 31, 1996 -  
ADEQ requires the installer's signature, company and overfill device activation level.
- 3 For overfill equipment installed **after** December 31, 1996 -  
Show the overfill device installation and appropriate activation level were completed by an ADEQ installation and retrofit certified service provider.

*It is important to provide certified documentation stating the appropriate activation level.*  
*If the activation level was not previously certified by the installer, then an ADEQ certified individual performing installation and retrofit or tank tightness testing can verify and certify the activation level.*

In the event of any discrepancy between this document and the Arizona Revised Statutes or Rules, the statutes or rules shall prevail.

need information  
F.....UST HOTLINE @ 602-207-4255 or  
.....www.adeq.state.az.us