



## Helping prevent Underground Storage Tank (UST) System

### THINGS TO CONSIDER ABOUT SPILL AND OVERFILL PREVENTION EQUIPMENT SYSTEMS

All UST systems that are filled with more than 25 gallons of a regulated substance at any time must have spill and overfill prevention equipment systems.

### SPILL PREVENTION WHAT IS IT?

- ▶ Spill of a regulated substance during a transfer from the truck to the tank must be captured by a bucket that fits around the fill pipe.
- ▶ Spill prevention will prevent a release of a regulated substance to the environment.
- ▶ Spill prevention devices are called Spill Buckets or Catchment Basins.
- ▶ The spill buckets should be sized so that it can hold more than the amount of product contained in the delivery hose.

### MAINTENANCE

- ▶ Device should be kept free of product, water, and/or debris.
- ▶ Device should show no signs of damage.

### REQUIRED DOCUMENTATION

- ▶ Must show the spill bucket was installed by an ADEQ-certified service provider for "Installation and retrofit of an UST."

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

### OVERFILL PREVENTION

Answering the following questions may help to determine the appropriate type of overfill protection equipment for your UST system.

- ▶ What type of overfill device do I currently have?
- ▶ How will the overfill device affect the usable volume of my tank?
- ▶ At what level should my overfill device be set and is it set at that level?
- ▶ Do I have the required certified documentation?

### WHAT IS IT?

- ▶ A device that prevents overfilling of a UST system.
- ▶ Device must be set at the appropriate activation level.
- ▶ An overfill prevention device is required on any UST system that is filled with more than 25 gallons of product at any one time.

### OVERFILL DEVICES & ACTIVATION LEVELS

- ▶ Automatic Shutoff Device - Automatically shuts off flow of fuel at 95 % or less of tank capacity.
- ▶ Ball Float Valve - Restricts vapor flow out of the vent line at 90 % or less of tank capacity, or within 30 minutes before overfilling.
- ▶ Overfill Alarm - Alarm activates when the fuel reaches 90 % of less tank capacity, or is within one minute of being overfilled.

### REQUIRED DOCUMENTATION

- ▶ For overfilled equipment installed before December 31, 1996, ADEQ requires the installers signature, company name and overfill device activation level.
- ▶ For overfill device installed after December 31, 1996, provide documentation that the overfill

device installation and activation level were completed by an ADEQ-certified installation and retrofit 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.*

#### **FOR MORE INFORMATION CONTACT:**

Arizona Department of Environmental Quality  
UST & Division Support Section  
1110 West Washington Street  
Phoenix, Arizona 85007

(602) 771-4303  
toll free number: (800) 234-5677 Ext:771-4303  
Website: [www.azdeq.gov](http://www.azdeq.gov)

## **CHECKLIST**

### **SPILL PREVENTION DEVICE**

- Documentation of certified installation
- Size (gallons)
- Kept free of product, water and debris
- No visible damage

### **OVERFILL PREVENTION DEVICE**

- Documentation of certified installation and activation level
- Type of overfill device
- Appropriate activation level

In the event of any discrepancy between this information and the Arizona Revised Statutes or Arizona Administrative Code, the statutes or rules shall take precedence.