

DATE: September 15, 2003

TO: Underground Storage Tank (UST) Owners/Operators

FROM: Solid Waste and Hazardous Materials Division and Air Quality Management District of the El Dorado County Environmental Management Department

RE: DEADLINES for Design, Construction, Monitoring and Enhanced Vapor Recovery (EVR) Requirements for Facilities with Underground Storage Tank Systems

As a result of recent legislation, sponsored by the State Water Resources Control Board (SWRCB) and the California Air Resources Board (CARB), several amendments to existing UST laws and regulations have been enacted. Many of these new requirements have **upcoming deadlines** that are just around the corner. For your reference, a general and coordinated overview of these new requirements is provided in the following attachments.

Compliance with SWRCB requirements is primarily based upon the date that a UST system was installed. Therefore, please identify the year in which the UST system was installed and review the associated color coded information sheet for an update on applicable requirements:

If the UST system was installed **before July 1, 2003**, please see the **GREEN** sheet.
If the UST system was installed **after July 1, 2003**, please see the **YELLOW** sheet.
If the UST system will be installed **after July 1, 2004**, please see the **BLUE** sheet.

Permit Requirements for Construction, Repair, or Modification of UST Facilities

Prior to any construction, repair, or modification of a UST facility, a valid permit must be obtained from the Solid Waste & Hazardous Materials Division and the Air Quality Management District (AQMD) at the El Dorado County Environmental Management Department. There are instances in which the modification of a gasoline dispensing facility may require upgrade of the various vapor recovery and/or the UST system components. In most cases, compliance with the new EVR requirements affects the design and monitoring of the UST system. Thus, a project must be reviewed for compliance with both AQMD and SWRCB requirements. You may obtain the required permit applications on our website at www.co.el-dorado.ca.us/emd or by contacting our office.

If you have any questions regarding these requirements, please contact the Air Quality Management District at (530) 621-6662 or the Solid Waste & Hazardous Materials Division at Placerville Office (530) 621-6664 and South Lake Tahoe Office (530) 573-3450.

New Design, Construction and Monitoring Requirements for UST Systems Installed Before July 1, 2003

Underground Storage Tank System Requirements – Chapter 6.7 Health & Safety Code and Title 23 of the UST Regulations

Tanks installed before 1984	See Article 4 of Title 23, UST Regulations
Tanks installed between 1984 to 1987	See Article 3 of Title 23, UST Regulations
Tanks installed between 1987 to 2003	See Article 3 of Title 23, UST Regulations
	<p>Key Changes:</p> <ul style="list-style-type: none"> ▪ Implement Enhanced Leak Detection by January 1, 2005, if tank is located within 1,000 feet of a drinking water well. ▪ Complete annual testing on overspill container. ▪ Complete testing on any secondary containment components every three years. ▪ Installation of under dispenser containment by December 31, 2003.

Air Quality Management District Requirements – District Rule 238

All tank systems must comply with Vapor Recovery Testing	<p>Facilities that dispense more than 100,000 gallons per month must complete source testing every six months.</p> <p>Facilities that dispense less than 100,000 gallons per month must complete source testing annually.</p> <p>See AQMD Permit for assigned testing quarter. Failure to complete testing in assigned quarter shall result in a Notice of Violation and penalty fee.</p>
Install Phase I EVR Equipment ¹	<p>Key Changes:</p> <ul style="list-style-type: none"> ▪ If a major modification occurs, then install at time of construction. ▪ If no major modification occurs, then install by April 1, 2005.
Install Phase II EVR Equipment ²	<ul style="list-style-type: none"> ▪ If a major modification occurs, then install at time of construction. ▪ If no major modification occurs, then install by October 1, 2007.
Install Unihose Dispensers	<ul style="list-style-type: none"> ▪ If system was installed after April 1, 2003 or a major modification occurs, then install at time of construction.

Air Quality Management District Requirements Continued – UST Systems Installed Before July 1, 2003

Onboard Refueling Vapor Recovery Compatibility	<ul style="list-style-type: none"> ▪ If system was installed after April 1, 2003 or a major modification occurs, then install at time of construction. ▪ If no major modification, then install by April 1, 2005.
Liquid Retention for Nozzles (350 ml limit)	<ul style="list-style-type: none"> ▪ If system was installed after July 1, 2001 or a major modification occurs, then install at time of construction. ▪ If no major modification, then install by April 1, 2004.
Liquid Retention for Nozzles (100 ml limit)	<ul style="list-style-type: none"> ▪ If a major modification occurs, then install at time of construction. ▪ If no major modification occurs, then install by April 1, 2005.
Nozzle Spitting	<ul style="list-style-type: none"> ▪ If a major modification occurs, then install at time of construction. ▪ If no major modification occurs, then install by April 1, 2005.
Nozzle Spillage	<ul style="list-style-type: none"> ▪ If a major modification occurs, then install at time of construction. ▪ If no major modification occurs, then install by April 1, 2005.
Dripless Nozzles	<ul style="list-style-type: none"> ▪ If a major modification occurs, then install at time of construction. ▪ If no major modification, then install by April 1, 2007.
In-Station Diagnostics (ISD) – Facilities that dispense 600,000 gallons or more per year	<ul style="list-style-type: none"> ▪ If a major modification occurs, then install at time of construction. ▪ If no major modification occurs, then install by April 1, 2008.
In-Station Diagnostics (ISD) – Facilities that dispense less than 600,000 gallons per year	<ul style="list-style-type: none"> ▪ Not required.

Notes:

- 1 Phase I equipment includes drop tubes, spill buckets, fill and vapor adaptors and P/V valves, etc...
- 2 Phase II equipment includes dispensers & associated vapor piping, control boards, nozzles & splash guards, hoses, breakaways, swivels, flow control units, vapor pumps & vapor processors.

Any modification of a gasoline dispensing facility may require an upgrade of the vapor recovery and/or UST system components at the time the construction project occurs. A valid permit is required from both EMD and AQMD prior to repair, modification, or installation of any system components.

For more information, please call our office in Placerville at (530) 621-6664 or in South Lake Tahoe at (530) 573-3450 and AQMD at (530) 621-6662.

Air Quality Management District Requirements Continued - UST Systems Installed After July 1, 2003

<p>Install Unihose Dispensers</p> <p>Onboard Refueling Vapor Recovery Compatibility</p> <p>Liquid Retention for Nozzles (350 ml limit)</p> <p>Liquid Retention for Nozzles (100 ml limit)</p> <p>Dripless Nozzles</p> <p>Nozzle Spitting</p> <p>Nozzle Spillage</p> <p>In-Station Diagnostics (ISD) – Facilities that dispense 600,000 gallons or more per year</p> <p>In-Station Diagnostics (ISD) – Facilities that dispense less than 600,000 gallons per year</p>	<ul style="list-style-type: none"> ▪ At time of construction. ▪ At time of construction. ▪ At time of construction. ▪ If project occurs prior to April 1, 2004, then install by April 1, 2005. ▪ If project occurs after April 1, 2004, then install at time of construction. ▪ If project occurs prior to April 1, 2004, then install by April 1, 2007. ▪ If project occurs after April 1, 2004, then install at time of construction. ▪ If project occurs prior to April 1, 2005, then install by April 1, 2005. ▪ If project occurs after April 1, 2004, then install at time of construction. ▪ If project occurs prior to April 1, 2004, then install by April 1, 2005. ▪ If project occurs after April 1, 2004, then install at time of construction. ▪ If project occurs prior to April 1, 2004, then install by April 1, 2008. ▪ If project occurs after April 1, 2004, then install at time of construction. ▪ Not required.
<p>Notes:</p> <ol style="list-style-type: none"> 1 Phase I equipment includes drop tubes, spill buckets, fill and vapor adaptors and P/V valves, etc... 2 Phase II equipment includes dispensers & associated vapor piping, control boards, nozzles & splash guards, hoses, breakaways, swivels, flow control units, vapor pumps & vapor processors. 	

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Air Quality Management District Requirements Continued – UST Systems Installed After July 1, 2004

Dripless Nozzles	▪ At time of construction.
In-Station Diagnostics (ISD) – Facilities that dispense 600,000 gallons or more per year	▪ At time of construction.
In-Station Diagnostics (ISD) – Facilities that dispense less than 600,000 gallons per year	▪ Not required.
Note: 1 Phase I equipment includes drop tubes, spill buckets, fill and vapor adaptors and P/V valves, etc... 2 Phase II equipment includes dispensers & associated vapor piping, control boards, nozzles & splash guards, hoses, breakaways, swivels, flow control units, vapor pumps & vapor processors.	

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