

**STORAGE TANK PROGRAM**

**KDHE Underground Storage Tank Significant Operational Compliance Enforcement Checklist**

**September 12, 2007**



<http://www.kdheks.gov/tanks/index.html>

**Copies of this document are available at:**

[http://www.kdheks.gov/tanks/download/UST\\_Operational\\_Compliance.pdf](http://www.kdheks.gov/tanks/download/UST_Operational_Compliance.pdf)

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**I. Introduction.**

The following table contains items to look for during inspections of underground storage tank (UST) systems to evaluate whether or not the owner/operators are in significant operational compliance (SOC) with the Kansas Storage Tank Act (K.S.A. 65-34,100 et seq), Article 44, Petroleum Products Storage Tanks, of the Kansas Department of Health and Environment (KDHE) Permanent Administrative Regulations, and 40 Code of Federal Regulations (CFR) Part 280; Underground Storage Tanks; Technical Requirements of the U.S. Environmental Protection Agency (EPA). Owner/operators of UST systems are in significant operational compliance if inspectors do not find any of the deficiencies that are listed on the table. This table also will indicate which deficiencies correspond to items in the KDHE Storage Tank Registration Information Database that determine whether or not owners of USTs can receive operating permits in a timely fashion. Inspection deficiencies corresponding to database items will be noted as “Permit Items” on the Checklist. Overall, this table reflects Kansas requirements and is adapted from compliance matrices generated the last three years by members of the Significant Operational Compliance Workgroup, composed of representatives from state UST programs and the EPA.

As seen in the Quick Reference, this table is divided into four parts. Part I lists Compliance Measures covered by Kansas statutes and regulations, but generally have no equivalents under federal UST regulations. Parts II and III list Compliance Measures for Release Detection and Release Prevention. Part II (a) lists general Compliance Measures for all release detection methods. Part II (b) lists Compliance Measures for specific release detection methods used in Kansas. Release Detection includes the equipment and practices used to detect leaks from the tanks and piping of UST systems. Release Prevention includes equipment installed on UST systems to prevent releases caused by spills from transport hoses, overfills of USTs, corrosion holes in steel tanks and metallic product lines. In effect, Release Prevention includes the spill prevention, overfill prevention, and corrosion protection requirements required by December 22, 1998 for then existing UST systems, and required for all newly installed UST systems. KDHE makes semiannual reports to EPA of the following measures:

- **Percentage of UST facilities in significant operational compliance with the UST release detection requirements.**
- **Percentage of UST facilities in significant operational compliance with the UST release prevention (spill, overfill, and corrosion protection) requirements.**
- **Percentage of UST facilities in significant operational compliance with release detection and release prevention (spill, overfill, and corrosion protection) requirements.**

Part IV covers Compliance Measures for Temporary Out of Service USTs.

The intent of this table is to provide a means to quickly identify those Reportable Deficiencies that put owner/operators out of compliance with Kansas and federal regulations, document these on inspection forms. Having the owner/operator correct any indicated deficiency could ultimately keep a release from occurring, as well as, lessen the impact of a newly discovered releases. More importantly, if owner/operators do not correct Reportable Deficiencies corresponding to “Permit Items,” they will not receive UST Operating Permits. The table also lists state and federal citations to give the regulatory background behind compliance measurements. Additionally, the table lists fines associated with violations. Such fines are administered through the state enforcement process or as penalties assessed during the application process to the Petroleum Storage Tank Release Trust Fund.

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**III. State of Kansas Compliance Measure Checklist.**

Regulatory Requirement	SOC Measure/State Citation/State Penalty	Reportable Deficiency	Violation	Permit Item
Tank Registration	Tanks containing regulated substances are not registered. [K.S.A. 65-34,104-105; K.A.R. 28-44-16] \$50/tank.	■	■	
	Owner/operator has not paid \$10 per tank per year to renew registration of USTs he or she owns. [K.A.R. 28-44-17]	■		■
Operation of USTs	Owner/operator lacks UST operating permits for tanks containing regulated substances. [K.S.A. 65-34,109 (a); K.A.R. 28-44-17] \$2000/facility Please note that KDHE must notify transporter delivering product to unpermitted USTs with a certified letter. Transporters found to be delivering product to USTs at same facility after notification are subject to \$2000 fine. [K.S.A. 65-34,109 (b) (6).]	■	■	
Observation Tubes	Observation tubes are not present for USTs installed after 1990 (81?). [K.S.A. 65-34,105 (a) (1); K.A.R. 28-44-16 (b)]	■		
	<ul style="list-style-type: none"> <li>❑ Diameter of observation tube is not a minimum of 4 inches in diameter. [K.A.R. 28-44-16 (b) (1) (a)]</li> <li>❑ Observation tubes extend from base of excavation to ground surface. [K.A.R. 28-44-16 (b) (1) (b)]</li> <li>❑ Observation tubes screened from base to 3 feet below ground surface. [K.A.R. 28-44-16 (b) (1) (c)]</li> <li>❑ Observation tubes not equipped with water-tight caps at top. [K.A.R. 28-44-16 (b) (1) (d)]</li> <li>❑ Annular space between observation tube and pavement is not sealed. Surface water pools around observation tubes. [K.A.R. 28-44-16 (b) (1) (e)]</li> <li>❑ Number and positioning of observation tubes is not adequate. Should have one observation tube to every 400 ft of excavated area or fraction thereof. [K.A.R. 28-44-16 (b) (2)]</li> </ul>			
	Observation tubes are not clearly marked and/or not secured. [K.A.R. 28-44-16 (b) (1) (f)]. Please note that failing to report that a transporter has dropped product down an observation tube is equivalent to “Failing to Report Release” and violates K.A.R. 28-44-24 [280.50] and carries a penalty of \$2,500 per facility. Additionally, such releases cannot be covered by the Petroleum Storage Tank Release Trust Fund.	■	■	

**KDHE Underground Storage Tank Significant Operational Compliance and Enforcement Checklist – September 4, 2007**

**III. State of Kansas Compliance Measure Checklist continued.**

Regulatory Requirement	SOC Measure/State Citation/State Penalty	Reportable Deficiency	Violation	
UST Contractors and Licensed Workers	Installation, modification, or repairs of USTs performed without KDHE approval. [K.S.A. 65-34,106 (a); K.A.R. 28-44-15] \$2000/Violation. KDHE forwards copies of approved installations, modifications, upgrades, or repairs to the Districts.	■	■	
	Unlicensed contractor of worker installing, modifying, repairing or removing USTs. [K.S.A. 65-34,110 (a); K.A.R. 28-44-20 and 21] \$2000/Violation. KDHE personnel onsite must check contractor and worker licenses.	■	■	
	Company and/or worker with expired license installing, modifying, repairing or removing USTs. [K.S.A. 65-34,110 (e); K.A.R. 28-44-20 and 21] \$2000/Violation. KDHE personnel onsite must check contractor and worker licenses.	■	■	
Regulatory Requirement	SOC Measure/State-Federal Citation/State Penalty	Reportable Deficiency	Violation	Permit Item
Inventory Control	Inventory control is not being performed as required. [K.S.A. 65-34,105 (a) (4); K.A.R. 28-44-23 (b)] [40 CFR 280.43(e)] \$300/tank. Note: Failing to report two consecutive monthly inventory control leak check calculation failures in the same UST is equivalent to “Failing to Report a Release” and violates K.A.R. 28-44-24 [280.50] and carries a penalty of \$2,500 per facility.	■	■	■
	<ul style="list-style-type: none"> <li>❑ Product inventory control performed to detect release of at least 1% of the monthly flow-through plus 130 gallons. [280.43(e)] (Leak Check Calculation)</li> <li>❑ Inventory volume measurements for inputs, withdrawals, and remaining amounts are not recorded each operating day and reconciled as required. [280.43(e)(1), 280.43(e)(3)]</li> <li>❑ Owner Not Measuring to Nearest 1/8 Inch [280.43(e)(2)]</li> <li>❑ Equipment is not capable of 1/8-inch measurement. [280.43(e)(2)]</li> <li>❑ Drop tube is missing or does not extend to within 1 foot of bottom of tank. [280.43 (e) (4)]</li> <li>❑ Product dispensing is metered and recorded within local standards for meter calibration to required accuracy. [280.43(e)(5)]</li> <li>❑ Water is monitored at least monthly. [280.43(e)(6)]</li> </ul>	■	■	■

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**IV. (a) Release Detection Compliance Measure Checklist [Tracked for EPA].**

Regulatory Requirement	SOC Measure/State-Federal Citation/State Penalty	Reportable Deficiency	Violation	Permit Item
General Release Detection Requirements	Release detection method is present. [K.S.A. 65-34,105 (a) (4); K.A.R. 28-44-23 (a)] [(280.40(c)) \$2,000/tank; applies to all approved tank release detection methods.]	■	■	■
	Release detection system is operating properly (i.e., able to detect a release from any portion of the system that routinely contains product). [[K.S.A. 65-34,105 (a) (4); K.A.R. 28-44-23 (a)] [(280.40(a)(1)) \$2,000/tank if poorly operating system causes a release. Release detection system is in alarm mode, but operators ignored or have disabled the alarm.	■	■	■
	Release detection system meets specific performance standards in 280.43 or 280.44. [(280.40(a)(3)) KDHE inspectors should only look for items that look blatantly and obviously wrong to a reasonable person. See method specific information for guidelines.	■		
	<p>Implementing agency has been notified of suspected release as required. [(280.40(b)) [K.A.R. 28-44-24] \$2,500/facility.</p> <p><input type="checkbox"/> Non-passing results reported and resolved in accordance with implementing agency’s directions. [280.40(b)] See method specific information for guidelines.</p> <p><input type="checkbox"/> Potential releases of product not reported to KDHE after the following observed:</p> <p style="padding-left: 20px;">(1) Leakage and or evidence of free product:</p> <p style="padding-left: 40px;">(a) Around submersible pumps and associated piping connections.</p> <p style="padding-left: 40px;">(b) In soil beneath dispensers.</p> <p style="padding-left: 20px;">(2) Staining or pronounced petroleum odors.</p> <p style="padding-left: 40px;">(a) Around submersible pumps and associated piping connections.</p> <p style="padding-left: 40px;">(b) In soil beneath dispensers.</p> <p style="padding-left: 20px;">(3) Product in pump sumps and dispenser pans.</p>	■	■	
Release Detection Testing	Tanks and piping are monitored monthly (or a periodic line tightness test is performed) for releases and records are available (must have records for the two most recent consecutive months and for 8 months of the last 12 months). [280.41(a)(b), and 280.45(b)] [K.S.A. 65-34,105 (a) (4); K.A.R. 28-44-23 (a)] \$2,000/tank See method specific information for guidelines.	■	■	■
Hazardous Substance UST Systems	Hazardous substance UST system leak detection meets the requirements (i.e., either secondarily contained or otherwise approved by the implementing agency). [K.S.A. 65-34,105 (a) (4); K.A.R. 28-44-23 (a)] [280.42(b)]	■		

**IV. (b). Release Detection Compliance for Commonly Used Methods.**

Tank	Pressurized Pipe	Non-exempt Suction Pipe	Release Detection Method  (Applicable items below must be checked for compliance)	Permit Item
■			<p><b>Automatic Tank Gauge (ATG)</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> ATG is set up properly. [280.40(a)(2)]</li> <li><input type="checkbox"/> ATG can detect a 0.2 gal/hr leak rate from any portion of the tank routinely containing product. [280.43(d)(1)]</li> <li><input type="checkbox"/> ATG is checking portion of tank that routinely contains product. [280.40(a)(1)]</li> </ul> <p><b>Reporting requirements:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Operator saves copy of printout showing results of at least one passing leak test per month.</li> <li><input type="checkbox"/> Operator keeps sufficient product in tank(s) to get at least one passing leak test per month.</li> <li><input type="checkbox"/> Operator must have copies leak test reports for the two most recent consecutive months and for 8 months of the last 12 months.</li> </ul> <p><b>Guidance on Annual Summary Sheets:</b> Please contact KDHE within 24 hours if your tank system has failed. Also contact KDHE if you have two or more "Failed" automatic tank gauge leak tests a month.</p>	■
■			<p><b>Manual Tank Gauging (MTG) [K.A.R. 28-44-23 (b) (1)]</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Tank size is appropriate for using MTG.                             <ul style="list-style-type: none"> <li>(1) Used Oil: 110 to 2,000 gallons (No Inventory Control Required)</li> <li>(2) Other refined petroleum products: 110 to 1,000 gallons (Inventory Control Required)</li> </ul> </li> <li><input type="checkbox"/> Method is being conducted correctly.                             <ul style="list-style-type: none"> <li>(1) Before and after measurements based on the average of two consecutive stick readings.</li> <li>(2) 36-hour rest period separates the before and after measurements [K.A.R. 28-44-(b)-(1)]</li> <li>(3) No liquid was added to or taken out of the tank during the test. [280.43(b)(1)]</li> <li>(4) Equipment is capable of 1/8-inch measurement. [280.43(b)(3)]</li> </ul> </li> <li><input type="checkbox"/> Reporting requirements: Owner has copies of Manual Tank Gauging records for the two most consecutive months and for 8 months of the last 12 months.</li> </ul> <p><b>Guidance on Annual Summary Sheets:</b> Please contact KDHE within 24 hours if your tank system has failed.</p>	■

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**IV. (b). Release Detection Compliance for Commonly Used Methods continued.**

Tank	Pressurized Pipe	Non-exempt Suction Pipe	Release Detection Method  (Applicable items below must be checked for compliance)	Permit Items
■	■	■	<p><b>Tightness Testing</b> (Safe Suction piping does not require testing)</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Testing method is capable of detecting a 0.1 gal/hr leak rate from any portion of the UST routinely containing product. [280.43(c)]</li> <li><input type="checkbox"/> Tightness testing is conducted within specified time frames for method:                             <ul style="list-style-type: none"> <li>Tanks (when combined with Inventory Control) – every 5 years for a total of 10 years [280.41(a)(1)]</li> <li><b>5-Year Tightness Testing only allowed:</b> <ul style="list-style-type: none"> <li>(1) Newly installed USTs since December 22, 1998, whose owner/operators have elected to follow this method.</li> <li>(2) Owner/operators of USTs that met 1998 requirements before December 22, 1998.</li> </ul> </li> </ul> </li> <li><b>Pressurized Piping – annually [280.41(b)(1)(ii)]</b></li> <li><b>Non-exempt [conventional] suction piping – every 3 years [280.41(b)(2)]</b></li> <li><input type="checkbox"/> Tightness testing is conducted following manufacturer’s instructions. [280.40(a)(3)]</li> <li><input type="checkbox"/> Reporting Requirements:                             <ul style="list-style-type: none"> <li>(1) Tightness Tester is licensed by KDHE [K.S.A. 65-34,105 (8); K.A.R. 28-44-22]</li> <li>(2) Test results submitted to KDHE.</li> </ul> </li> </ul>	■
■	■	■	<p><b>Vapor Monitoring (VM)</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Vapor monitoring well is not affected by high ground water. [280.43(e)(3)]</li> <li><input type="checkbox"/> Site assessment has been done for vapor monitoring. [280.43(e)(6), 280.43(f)(7)]                             <p style="margin-left: 20px;"><b>Note:</b> KDHE will require site assessments on new UST installations or modifications of existing UST systems calling for vapor monitoring. Vapor monitoring performed at sites with an “Active” or “Monitor” BTLA Site Status should be looked at closely because background soil vapor concentrations may mask levels normally measured for release detection purposes.</p> </li> <li><input type="checkbox"/> Wells are properly designed and positioned. [280.43(e)(6), 280.43(f)(7)]</li> <li><input type="checkbox"/> Reporting requirements: Vapor well readings for the two most consecutive months and for 8 months of the last 12 months.</li> </ul> <p><b>Guidance on Annual Summary Sheets:</b> Please contact KDHE within 24 hours if your tank system has failed.</p>	■

**IV. (b). Release Detection Compliance for Commonly Used Methods continued.**

Tank	Pressurized Pipe	Non-exempt Suction Pipe	Release Detection Method  (Applicable items below must be checked for compliance)	Permit Items
■	■	■	<p><b>Interstitial Monitoring (IM)</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Secondary containment can be used to detect a release. [280.43(g)(1), 280.43(g)(2)]</li> <li><input type="checkbox"/> <b>Sensor properly positioned.</b> [280.40(a)(2)] “Properly positioned” means that the sensor is located in such a manner that it could detect a release the interstitial space of double wall tanks, or in a pump sump if double wall piping is used.</li> </ul> <p><b>Note: Sensors used for the interstitial monitoring of pressurized product lines should be tied in with the submersible pump so that the pump turns off when the sensors detect liquid. Otherwise, such product lines should be equipped with mechanical leak detectors or automatic line monitors.</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> <b>Reporting requirements:</b> <ul style="list-style-type: none"> <li>(1) <b>Double wall tanks with ATG: Leak test reports for the two most consecutive months and for 8 months of the last 12 months.</b></li> <li>(2) <b>Double wall tanks without ATG: Release detection log entries for the two most consecutive months and for 8 months of the last 12 months.</b></li> </ul> </li> </ul> <p><b>Guidance on Annual Summary Sheets:</b></p> <ul style="list-style-type: none"> <li>(1) <b>Double wall tanks with ATG: Please contact KDHE within 24 hours if your tank system has failed. Also, contact KDHE if you have two or more "Failed" automatic tank gauge leak tests a month.</b></li> <li>(2) <b>Double wall tanks without ATG: Please contact KDHE within 24 hours if your tank system has failed.</b></li> </ul>	■
	■		<p><b>Pressure Lines Release Detection [Automatic Line Leak Detection (ALLD)]</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> ALLD is present and operational. [K.A.R. 28-44-23 (c); 280.44(a)]</li> <li><input type="checkbox"/> Annual function test of the ALLD has been conducted and records are available. [280.44(a)] <i>Leak detector test dates are not permit items.</i></li> <li><input type="checkbox"/> <b>Options: Mechanical Leak Detectors or Flow Restrictors [trigger at 3.0 gph] or</b> <ul style="list-style-type: none"> <li>(1) <b>Automatic Line Monitors (ALM) (trigger at 3.0 gph and perform tests at 0.2 gph and 0.1 gph) or</b></li> <li>(2) <b>Positive shutoff devices [submersible pump turns off when liquid detected in interstitial sensor]</b></li> </ul> </li> <li><input type="checkbox"/> <b>Reporting Requirements for ALM: Printouts or release detection log entries for log entries for the two most consecutive months and for 8 months of the last 12 months.</b></li> </ul>	■

**IV. (b). Release Detection Compliance for Commonly Used Methods continued.**

Tank	Pressurized Pipe	Non-exempt Suction Pipe	Release Detection Method  (Applicable items below must be checked for compliance)	Permit Items
■	■	■	<p><b>Statistical Inventory Reconciliation (SIR)</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Service provider listed on “KDHE Approved SIR Vender List.</li> <li><input type="checkbox"/> Owner/operator sends Inventory Control Records to service provider each month.</li> <li><input type="checkbox"/> Reporting Requirements: SIR reports for the two most consecutive months and for 8 months of the last 12 months.</li> </ul> <p><b>Guidance on Annual Summary Sheets: Please contact KDHE within 24 hours if your tank system has failed. Also contact KDHE if SIR reports showed that any tank failed, or showed Inconclusives, or Operational Procedures from the same tank for two months in a row.</b></p>	■
■	■	■	<p><b>Other Release Detection Methods</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> The method can detect a 0.2 gallon per hour leak rate or a release of 150 gallons within a month and meet the 95/5 requirement [280.43(h)(1)]; or</li> <li><input type="checkbox"/> The implementing agency has approved the method as being as effective as tank tightness testing, automatic tank gauging, vapor monitoring, ground water monitoring, or interstitial monitoring and the operator complies with any conditions imposed by the implementing agency. [280.43(h)(2)]</li> </ul>	■

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**V. Release Prevention Compliance Measure Checklist. [Tracked for EPA]**

Regulatory Requirement	SOC Measure/State-Federal Citation/State Penalty	Reportable Deficiency	Violation	Permit Items
Spill Prevention	<p><b>Spill prevention device is not present or not functional.</b> [K.S.A. 65-34,105 (a) (4); K.A.R.. 28-44-16] [40 CFR 280.20(c)(1)(i), 280.21(d)] <b>Note:</b> Failing to report releases caused by UST systems that lack spill buckets or caused by poorly maintained spill buckets is equivalent to “Failing to Report a Release” and violates K.A.R. 28-44-24 [280.50] and carries a penalty of \$2,500 per facility.</p>	■		■
	<ul style="list-style-type: none"> <li><input type="checkbox"/> <b>Spill prevention device is broken.</b></li> <li><input type="checkbox"/> <b>Spill prevention device contains non-liquid debris (ie., paper, dirt...).</b></li> <li><input type="checkbox"/> <b>Spill prevention device contains water or product (specify on form,.)</b></li> </ul>			
Overfill Prevention	<p><b>Overfill prevention device is not present or not operational.</b> [K.S.A. 65-34,105 (a) (4); K.A.R. 28-44-16] [40 CFR 280.20(c)(1)(ii), 280.21(d)] <b>Note:</b> Failing to report releases caused by UST systems that lacks overfill prevention devices or caused by poorly maintained overfill prevention devices is equivalent to “Failing to Report a Release” and violates K.A.R. 28-44-24 [280.50] and carries a penalty of \$2,500 per facility.</p>	■		■
	<ul style="list-style-type: none"> <li><input type="checkbox"/> <b>Automatic shutoff is not operational (ie., device not tampered with [stick in fill pipe] or inoperable).</b> [280.20(c)(1)(ii)(A), 280.21(d)]</li> <li><input type="checkbox"/> <b>Overfill alarm is not operational.</b> [280.20(c)(1) (ii)(B), 280.21(d)]</li> <li><input type="checkbox"/> <b>Overfill alarm is not audible or visible to delivery driver.</b> [280.20(c)(1) (ii)(B), 280.21(d)]</li> <li><input type="checkbox"/> <b>Ball float is not operational.</b> [280.20(c)(1)(ii)(B), 280.21(d)]</li> </ul>			

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**V. Release Prevention Compliance Measure Checklist continued.**

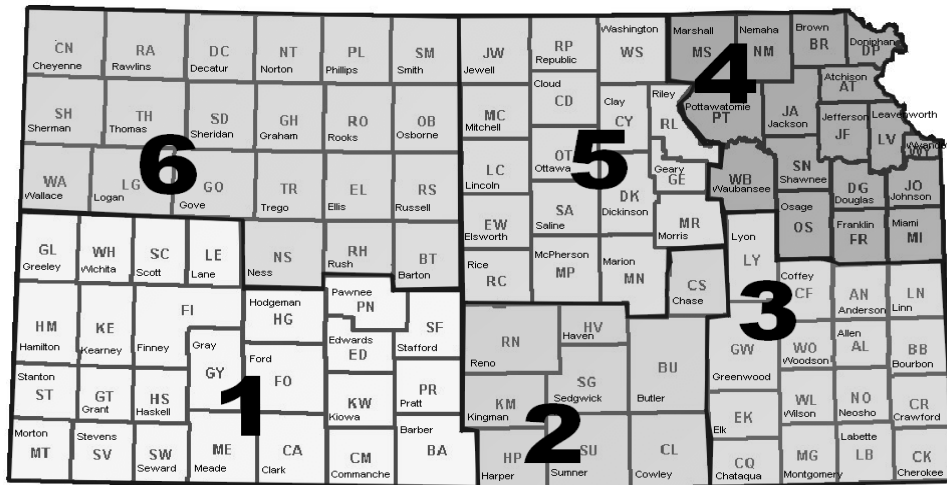
Regulatory Requirement	SOC Measure/State-Federal Citation/State Penalty	Reportable Deficiency	Violation	Permit Item
<b>Tank and Piping Corrosion Protection</b>	<b>Buried metal tank and piping (which includes fittings, connections, etc.) is not corrosion protected. [K.S.A. 65-34,105 (a) (1), (13); K.A.R.. 28-44-16] [40 CFR 280.20(a), 280.20(b), 280.21(b), 280.21(c)]</b> Failing to report releases caused by UST systems that lack corrosion protection systems is equivalent to “Failing to Report a Release” and violates K.A.R. 28-44-24 [280.50] and carries a penalty of \$2,500 per facility.	■		■
	<ul style="list-style-type: none"> <li>❑ <b>Buried metal piping components (such as swing joints, flex-connectors, etc.) are not isolated from the ground or cathodically protected. (<u>Flex connectors are not a Permit Item.</u>)</b></li> <li>❑ <b>Metal tank and piping are not cathodically protected. [280.21(b)(2), 280.21(c)]</b></li> </ul>			
<b>Operation of Corrosion Protection Systems</b>	<b>Corrosion protection system is properly operated and maintained to provide continuous protection. [K.S.A. 65-34,105 (a) (1), (13); [K.A.R. 28-44-19] [280.31(a)]</b> Failing to report releases caused by UST systems caused by poorly maintained corrosion protection systems is equivalent to “Failing to Report a Release” and violates K.A.R. 28-44-24 [280.50] and carries a penalty of \$2,500 per facility.	■		■
	<ul style="list-style-type: none"> <li>❑ <b>CP system is not performing adequately based on results of testing. [280.31(b)]</b></li> <li>❑ <b>Operator has not had CP system tested within required interval or has not completed appropriate repair in response to test results reflecting CP system not providing adequate protection.</b> CP testing should take place within 6 months of installation and every 3 years after that.</li> <li>❑ <b>UST systems with impressed current cathodic protection are not inspected every 60 days. [280.31(c)]</b> Written rectifier log should include dates and readings for hours, amps, and volts depending on model.</li> <li>❑ <b>Lined tanks are not inspected periodically and lining is not in compliance. [280.21(b)(1)(ii)]</b> Periodic inspections are completed within 10 years after installation and every 5 years after that. (No other CP installed.)</li> </ul>	<p align="center"><i><u>KDHE will make rectifier logs a permit item for the 2008/2009 permit cycle.</u></i></p>		

**VI. Temporary Closure Compliance Measure Checklist.**

Regulatory Requirement	SOC Measure/State-Federal Citation/State Penalty	Reportable Deficiency	Violation
Temporary Closure	UST system has been Temporarily Closed for more than 3 months.	■	
	<ul style="list-style-type: none"> <li>❑ Vent lines are not open and functioning [280.70(b)(1)]</li> <li>❑ All Lines, Pumps, Manways, and Ancillary Equipment are Not Capped [280.70(b)(2)]</li> </ul>		
	In Temporary Closure More than 12 Months and KDHE has granted no extension. [280.70(c)]	■	
Release Detection	UST system contains more than 1 inch of product. <u>Also includes No Release Detection [K.A.R. 28-44-23 (a)] [(280.40(c)] \$2,000/tank.</u> Failing to report releases from USTs for which no release detection is being performed is equivalent to “Failing to Report a Release” and violates K.A.R. 28-44-24 [280.50] and carries a penalty of \$2,500 per facility.	■	■
Corrosion Protection	<b>Corrosion protection system is properly operated and maintained to provide continuous protection.</b> [K.S.A. 65-34,105 (a) (1), (13); [K.A.R. 28-44-19] [280.31(a)]	■	
	<ul style="list-style-type: none"> <li>❑ CP system is not performing adequately based on results of testing. [280.31(b)]</li> <li>❑ UST systems with impressed current cathodic protection are not inspected every 60 days. [280.31(c)] Written rectifier log should include dates and readings for hours, amps, and volts depending on model.</li> </ul>		

**KDHE Underground Storage Tank Significant Operational Compliance and Enforcement Checklist –  
September 4, 2007**

**KDHE ADMINISTRATIVE DISTRICTS**



The map above shows the District Number and the counties served by KDHE District Offices. If you should need additional information regarding UST requirements, or if you need to register UST tanks within Kansas, you should contact the appropriate individual listed below:

CENTRAL OFFICE STAFF

DISTRICT STAFF

<b>Program Area</b>		<b>Telephone No.</b>
General Program Information		(785) 296-1678
<b>Underground Storage Tank Trust Fund</b>		
Remedial Action	Greg Hattan	(785) 296-5931
Reimbursements	Mickey Trimble	(785) 296-5625
<b>Underground Storage Tanks (USTs) Prevention</b>		
Unit Chief	Michael L. Pomes	(785) 296-1685
New Installations, Repairs, Upgrades & Release Detection	Marcus Meerian	(785) 296-6372
Trust Fund Compliance & Fed. Financial Responsibility	Gary Richardson	(785) 296-1677
Tightness Testing, Cathodic Protection, & Contractor Licensing	Vacant	(785) 296-1598
UST Permits & Registration, Fees, Ownership Changes, and Tank Abandonment	Debbie Clure	(785) 296-1599

1. Southwest District Office - Dodge City – (620) 225-0596  
 Vacant Prof. Geologist Fax - 3731  
 Kevin Faurot Geol. Assoc.
2. South Central District Office - Wichita – (316) 337-6020  
 Kyle Parker Prof. Geologist Fax - 6023  
 Meer Husain Prof. Geologist  
 Stan Marcotte Env. Scientist
3. Southeast District Office - Chanute – (620) 431-2390  
 Vacant Prof. Geologist Fax - 1211  
 Renee Brown Geol. Assoc.
4. Northeast District Office - Lawrence – (785) 842-4600  
 Dan Kellerman Prof. Geologist Fax - 3537  
 Meredith Roth Env. Technician  
 Tom Winn Prof. Geologist
5. North Central District Office - Salina – (785) 827-9639  
 Howard Debauche Prof. Geologist Fax – 1544  
 Scott Lang Prof. Geologist
6. Northwest District Office - Hays – (785) 625-5663  
 Bill Heimann Prof. Geologist Fax - 4005  
 Darrell Shippy Env. Technician

<b>Leaking USTs</b>		
Tank Closure, Leaks	Roger Boeken	(785) 296-1674
Tank Removals and Site Assessments		