

## **Manual Tank Gauging (For Tanks Only)**

### **Description of Release Detection:**

Manual Tank Gauging (MTG) may be used as the sole method of release detection for tanks that hold 550 gallons or less. MTG involves taking the tank out of service for a testing period once a week. During this testing period the contents of the tank are monitored carefully. The results are compared to weekly and monthly standards to determine tank tightness.

Tank Capacity	Weekly Standard (one test)	Monthly Standard (average of four tests)
550 gallons or less	10 gallons	5 gallons

### **Operating and Maintaining a MTG System:**

- Once a week, take the tank out of service (commonly done over the weekend) and record two liquid level stick measurements at the beginning of the test by sticking the tank twice. Allow the tank to sit undisturbed for at least 36 hours. Record two liquid level measurements again at the end of the test period.
- Reconcile the numbers weekly and record the result on a “Manual Tank Gauging Record.” Compare the numbers to the weekly standard.
- At the end of four weeks, reconcile your records against the monthly standard, and record the results on the “Manual Tank Gauging Record.”
- Make sure an accurate chart that converts product level (to the nearest 1/8<sup>th</sup> of an inch) to gallons is available.
- Make sure the stick can measure to within one eighth of an inch and can measure the level of product over the full range of the tank’s height.
- Make sure employees who run, monitor, or maintain Manual Tank Gauging for release detection, know exactly what they have to do and to whom to report problems.

### **Record Keeping:**

- Keep monthly, reconciled MTG reports for at least one year.

**If the monitoring results exceed the weekly or monthly standard, report the results to the Division of UST Management within 72 hours at (803) 896-7957.**

