



## HOW DO I PROVE THAT MY SYSTEM IS NOT CURRENTLY LEAKING?

◆ FOR TANKS, YOU MAY USE ANY ONE OF THESE SEVEN METHODS:

### 1. Daily Inventory Control **AND** Tank Tightness Testing (DIC) \*\*\*

- Requires daily stick readings, which are then compared to records of sales and deliveries. You must reconcile the stick readings and inventory records at least once each month.
- Must be done in such a way as to detect releases as small as 1% of flow plus 130 gallons.
- Send the 6 most recent months of records.
- The tank tightness test must have been done within the last year, unless your tank is new or has been upgraded to meet DNR requirements; in that case, the tightness test must have been done within the last 5 years. The tightness test must be sophisticated enough to detect a leak of 0.1 gallon per hour.

*Note: See #3 for alternative to tightness test.*

### 2. Automatic Tank Gauging (ATG)

- Send a recent leak status report for one day from each of the last 6 months on each tank. *Note: Make sure that the tank has the appropriate level of product in it to run a valid leak test, per the third-party certification of the equipment.*
- Each leak status report must indicate "pass."

### 3. Statistical Inventory Reconciliation (SIR)

- Send the 6 most recent months of records from your SIR vendor.

*Note: SIR may be used as a monthly monitoring tool, or as a tank tightness test. If you use a third-party certified method to do your SIR, you do not have to have a precision tightness test done at your site. But if you use SIR only as an annual tightness test, you must also send us 6 months of stick readings.*

### 4. Manual Tank Gauging (MTG) \*\*\*

- Send the 6 most recent months of records.
- If tank is more than 1,000 gallons, must also submit tank tightness test.

*Note: This method may only be used if your tank is 2,000 gallons or smaller. It is often used for small waste oil or kerosene tanks. The tank must be idle (unused) for a certain period of time.*

### 5. Vapor Monitoring (VP)

- Send 12 months of records, if available. At least 6 recent months of records and a record of initial conditions are required.
- Send "as-built" drawings for each well.
- Regulations specify requirements for placement, backfill, etc.

## 6. Groundwater Monitoring (GW)

- Send 12 months of records, if available. At least 6 months are required.
- May only be used if groundwater is within 20 feet of surface, and soil is gravel, coarse to medium sand, coarse silt, or similar type.
- Requires a site assessment by qualified person to determine the number and placement of wells, or must send "as-built" drawings.
- Monitoring device must be able to detect 1/8 inch of free product on top of the groundwater in the well(s).

## 7. Interstitial Monitoring (IM)

- Send 6 months of records, or more. Can be manual log or printout.
- Appropriate to use only for double-walled systems, or systems with secondary barrier.

◆ FOR **PRESSURIZED** PIPING, YOU MUST HAVE AN AUTOMATIC LINE LEAK DETECTOR, WHICH MUST

- be able to detect a leak of 3 gallons/hour at 10 psi line pressure within 1 hour, and
- either restrict or shut off flows when it detects a leak, or alert you with an alarm.

You must send:

- documentation that the line leak detector has been checked during the last year to make sure it is working.

**AND**

- results from a line tightness test done within the last year, or
- appropriate records from vapor monitoring, groundwater monitoring, interstitial monitoring of the piping, (as noted above), or
- 6 recent months of SIR reports.

◆ FOR **SUCTION** PIPING, YOU MUST HAVE EITHER

- results from a line tightness test within the last 3 years, or
- appropriate records from vapor monitoring, groundwater monitoring, interstitial monitoring of the piping, (as noted above), or
- 6 recent months of SIR reports.

*(There are some situations in which you can avoid these requirements for suction piping; call 800-765-2765 for details.)*

\*\*\* Please note that DIC and MTG can only be used for a 10-year period, depending on the type of tank you have. Please contact us at 800-765-2765 if you have questions.

8/06