Suspected Releases and When to Report [Section 280.34(a)(3) and Section 280.50]	
Release Detection Method	**Notification Requirements**
Manual Tank Gauging (Only used for tanks with a capacity of 550 gallons or less.)	If variation between beginning & ending measurements exceeds the ten gallon weekly or five gallon monthly standard [280.43(b)(4) and 280.50(c)]
Tank Tightness Test	Any non-passing test results [280.50(c)].
Automatic Tank Gauge/CITLDS	• Any result that is not a pass [280.41(a)(1) or (2) and 280.50(c)]. • Occurrence of an alarm that indicates a release, including but is not limited to: overfilling, water increase, or loss of product occurred.
Vapor Monitoring	Detection of a regulated substance by a properly calibrated detection device [280.40(a)(2) and 280.50(a)].
Groundwater monitoring	If properly calibrated detection device or manual device detects at least 1/8th of an inch of free product on top of groundwater [280.280.43(f)(6) and 280.50(c)].
Interstitial Monitoring(Double walled tanks/piping)	• If monitoring device detects a leak into the interstitial space of the tank or piping [280.50(b)(3)]. • If the interstice is filled with brine, the monitoring device detects an increase or loss of liquid that is outside of normal parameters.
Statistical Inventory Reconciliation (SIR)	Any result that is not a pass [280.43(h)(4) and 280.50(c)].
Annual Line tightness testing	Any result that is not a pass [280.50(c)].
Line leak detector function check	Any result that is not a pass [280.50(b)].
Visual monitoring (tank/sump/UDC)	Any sign of a leak/release that may or may not have reached soil [280.50(b)].

Instances where reporting would not be required:

- For unusual operating conditions:
  - The equipment/component did not release regulated substances to the environment
  - Any defective equipment/components were immediately repaired/replaced
  - Liquid found in interstice is immediately removed (non-brine IM)
- Monitoring results, including alarms, indicate a release occurred, unless:
  - Any defective equipment/component was immediately repaired, replaced; and
  - Additional monitoring did not confirm the result
- Liquid found in secondary containment:
  - Liquid found in interstice is immediately removed (non-brine IM)
  - Any defective equipment/component immediately repaired/replaced
- Alarm investigated – No release occurred

How to report a suspected release:

- Fill out and submit the Underground Storage Tank Management Division's 24 Hour Release Report [SCDES-3177] form. The form and instructions can be found at:

  https://des.sc.gov/sites/des/files/Library/D-3177.pdf