

**LPG Caverns & Wells – Reporting Requirements  
(KAR 28-45-2a – KAR 28-45-30)**

Initial-before commissioning

- Sample log and dry sample set in newly drilled wells
- Groundwater analysis from new well
- Open-hole logs from new storage well (gamma-ray, neutron or sonic, density, caliper)
- Casing evaluation (casing inspection log); cement bond log
- Pressure tests – production casing in new well
- Mechanical integrity tests for well and cavern
- Corrosion control measures
- Sonar survey
- Core analysis

Monthly

- Visual inspection of wellheads
- Combustible gas readings from monitoring wells, submit with quarterly groundwater monitoring report)
- Wash Report, if washing cavern

Quarterly

- Chloride monitoring from monitoring wells
- Static water level measurement from monitoring wells
- Pressure Monitoring (per permit)
- Brine pond inspections/monitoring

Semiannually

- Function tests for control system and emergency shutdown valves
- Brine pond inspections

Annually

- Annual report
- Proof of financial assurance
- Updated emergency response plan
- Wellhead instrumentation inspection
- Calibration for gauges used in pressure testing
- Annual storage well and facility fees
- Brine pond inspections

Biennially

- Ground subsidence monitoring (elevation surveys)
- Facility records inspection

Every three years

- Gamma-density log, if roof thickness less than 100 ft (existing wells only)
- CIL for casing anomalies

Every five years

- Gamma-density log for roof thickness
- Mechanical integrity tests for well and cavern
- Casing evaluation (casing inspection log) for wells without double-casing protection (existing wells only)
- Spacing evaluation, if horizontal separation is less than 100 ft between caverns (existing wells only)

Every 10 years

- Compliance audit
- Casing evaluation for wells with double casing protection
- Sonar survey
- Permit renewal for brine ponds

Prior to plugging

- Gamma-density log
- Sonar survey, if one has not been run in past five years
- Mechanical integrity tests, if tests have not been run in the past 5 years

Other Time Requirements

- New well application at least 180 days before construction
- Monitoring activity plan at least 60 days before monitoring event commences
- Monitoring results within 30 days after completion of monitoring event
- Test plan at least 30 days before commencement of test
- Test results within 45 days after completion of test
- Workover plan at least 10 days before workover activities commence
- Plugging plan at least 60 days before plugging activities commence
- Notification of product change when changing type of product stored
- Notice of ownership/operator change before transfer of ownership
- Pressure data, including historic monitoring, upon request by KDHE