NG Caverns & Wells – Reporting Requirements  
(KAR 28-45a-1 – KAR 28-45a-19)

**Initial—before commissioning**
- Sample log and dry sample set for 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 (nitrogen-brine interface test)
- 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)

**Semiannually**
- Function tests for critical-control system and emergency shutdown valves

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

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

**Every three years**
- CIL for casing anomalies (40% to 70% metal loss – KDHE guidance document)

**Every five years**
- Gamma-density log for roof thickness
- Hydraulic casing test for wells
- Pressure test for caverns
Every 10 years
   Compliance audit
   Casing evaluation (casing inspection log)

Prior to plugging
   Gamma-density log
   Sonar survey, if one has not been run in past five years
   Pressure test for cavern

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