

## **SYNTHETIC LINED LAGOONS – FINAL REPORTING CHECKLIST**

*Submit the final plan, with the minimum requirements noted below, prior to filling an approved lagoon.*

- ☐ Project Summary
- ☐ Oklahoma Professional Engineer (PE) Certification and Sign-off
- ☐ Field Nuclear Density Testing (ASTM D6938)
- ☐ Construction Testing
- ☐ Piping Backfill
- ☐ Soils Documentation:
  - ☐ Laboratory Compaction Characteristics of Soil (ASTM D698)
  - ☐ Atterberg Limits Test (ASTM D4318)
  - ☐ Grain Size Particle Distribution Analysis (ASTM D422)
  - ☐ Hydraulic Conductivity / Coefficient of Permeability (ASTM D 5084)
- ☐ As Built Documentation
- ☐ As Built Lagoon Map
- ☐ As Built Cross Section Lagoon Map(s)
- ☐ As Built Storage Volume Availability Table
- ☐ Geosynthetic Documentation
- ☐ Geocomposite Documentation
- ☐ Geotextile Documentation:
  - ☐ Geosynthetic Panel Placement Log
  - ☐ HDPE Geomembrane Documentation
  - ☐ Trial Seam Log
  - ☐ Seam Tracking Log
  - ☐ Repair Log
  - ☐ Destructive Sample Log
- ☐ Measuring Gage Documentation
- ☐ Monitoring Well Documentation (**LMFO ONLY**)
  - ☐ Vertical Cross-section Maps of Any Monitoring Well
  - ☐ Multi-Purpose Well Completion & Plugging Report (from OWRB)
- ☐ Documentation of a 10 ft Vertical Separation from Groundwater
  - ☐ Soil Log from Soil Boring 10 ft Below the Bottom of the WRS
  - ☐ Documentation from an OK PE Certifying 10 ft Vertical Separation