



# **Coal Combustion Residual (CCR) Rule**

**11/4/15**

# CCR Rule

- ▶ Final Rule promulgated 4/17/15
  - Coal ash regulated as a non-hazardous waste
  - Self-implementing
    - Effective date 10/19/15
    - Enforcement through citizens suits
    - Includes numerous requirements for ash ponds
      - structural integrity & location requirements
      - liner & operating requirements
      - groundwater monitoring requirements
      - closure requirements
      - post closure requirements

# Structural Integrity & Location Requirements

## ▶ **Structural Integrity**

- History of construction
- Dam safety inspection every 5 years
- Dam safety factor assessment every 5 years
- Dam hazard potential assessment & Emergency Action Plan (EAP)
- Permanent pond identification signs

## ▶ **Location**

- 5' above uppermost aquifer
- Not in wetland
- Not in fault area
- Not in seismic impact zone
- Not in unstable area

# Liner Requirements

- Prescribed composite liner (30 mil synthetic liner over 2' of compacted clay)
- Alternative liner demonstration allowed
- Existing ponds that cause groundwater impacts must be closed or retrofitted (lined)

# Operating Requirements

- Create & maintain CCR website
  - <https://www.talenenergy.com/generation/fossil-fuels/ccr-colstrip>
- Fugitive Dust Control Plan
- Inflow Design Flood Control Plan
- Weekly Inspections
- Annual & 5-year Dam Safety Inspections

# Groundwater Monitoring Requirements

- ▶ **Develop groundwater monitoring program**
  - Locate monitoring wells at perimeter of ponds
  - Water quality above drinking water standards (MCL) or background
    - Requires corrective action & cleanup within 90 days
    - Requires notification of landowners
    - Requires closure of unlined ponds

# Post Closure Care Requirements

- ▶ Post Closure Care must be conducted for 30 years
- ▶ Maintain integrity & effectiveness of final cap & cover
- ▶ Maintain groundwater monitoring & mitigation systems until groundwater quality meets MCL's or background

# Colstrip Aerial Photo



1&2 STEP

Colstrip

Plantsite

3&4 EHP