

## 40 CFR Parts 257

### Checklist for Inspection Requirements for CCR Surface Impoundments 257.83 (b)

#### Rush Island Power Station – RCPA (Ash Pond)

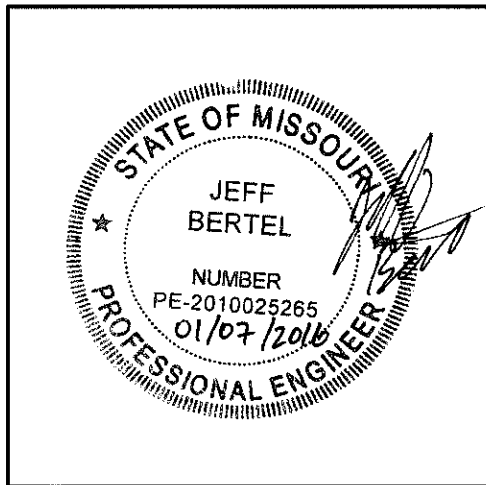
##### 1. Annual Inspection

| Requirements  | Signs of actual or potential structural weakness | Disruptions or potential disruption to the operation and safety of the unit |
|---|--|---|
| CCR Unit and appurtenant structures 257.83(b)(ii)                       | None Observed                                    | None Observed   |
| Hydraulic structures underlying the base of the CCR unit 257.83(b)(iii) | None Observed                                    | None Observed   |

The 2015 Annual Inspection included a review of available information regarding the status and condition of the CCR unit, including, but not limited to, files available in the operating record in general accordance with 257.83(b)(i).

Minor maintenance items (e.g. animal burrows, ruts, etc.) associated with routine upkeep observed during the 2015 Annual Inspection, presently do not impact the structural integrity of the embankment. Ameren plans to address these items in a timely manner through Ameren's work control process.

Engineer's Seal



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Date: January 7, 2016

**RUSH ISLAND ENERGY CENTER**  
Fly Ash/Bottom Ash Pond (RCPA)  
Annual Inspection Check Sheet

|             |                                 |
|-------------|---------------------------------|
| Date        | 10/7/15                         |
| Inspector   | J. Bertel, J. Gilliam, J. Greer |
| Pool Level  | 395.5 ft                        |
| River Level | 365.7                           |
| Temperature | 70°                             |
| Weather     | Partly Cloudy                   |

**Date of Previous Annual Inspection:** 12/9/2014

**Date of Previous Periodic Inspection:** Not Applicable

**Description of Emergency (EC) or Immediate Maintenance (IM) conditions observed since the last annual inspection:**

None

**Describe any action taken to restore or improve safety and integrity of impounding structure:**

A slurry wall approximately 1300 feet long and 30 feet deep was constructed at the centerline of the east embankment, starting 75 feet north of the double swing gate and heading south. The downstream slope of the east embankment was cut or filled 100 feet to the south and 1400 feet to the north of the existing riprap so that the steepness is no greater than 3H to 1V, and 10-inches of riprap was placed on the cut/fill slopes. Woody vegetation along 2,300 feet of the toe of the west embankment was removed.

**Describe any modifications to the geometry of the impounding structure since the previous annual inspection:**

None

**Describe any modifications to the operation of the impounding structure since the previous annual inspection:**

The wetting head used to sluice fly ash was moved toward the center of the pond.

**List the approximate remaining storage capacity of the impounding structure:**

500,000 CY

**List the approximate maximum, minimum and present depth and elevation of the impounded water since the previous annual inspection:**

Max - el. 398 ft, depth 30 ft; Min - el. 390, depth 22 ft; Present - el. 395.5, depth 27.5 ft

**List the approximate maximum, minimum and present depth and elevation of the impounded CCR since the previous annual inspection:**

Max - el. 422 ft, depth 92 ft; Min - el. 370, depth 40 ft; Present - el. 410, depth 80 ft

**Approximate volume of impounded water and CCR at the time of the inspection:**

12,725,000 CY

**Describe any changes to the downstream watershed:**

None