

## REPORT OF ANNUAL INSPECTION OF CCR SURFACE IMPOUNDMENT

**FACILITY NAME:** Barry Steam Plant – Ash Pond

**OWNER/OPERATOR OF FACILITY:** Alabama Power Company

**INSPECTION DATE:** September 22, 2016

**INSPECTING ENGINEER:** Jason S. Wilson, P.E. (Alabama P.E. License #28561)

Southern Company Services, Technical Services – Senior Engineer, Fossil Dam Safety

**ANY CHANGES IN GEOMETRY OF THE IMPOUNDING STRUCTURE SINCE THE PREVIOUS ANNUAL INSPECTION?**

NO

(IF YES, DESCRIBE):

**LOCATION AND TYPE OF EXISTING INSTRUMENTATION**

N/A (no instrumentation)

**MAXIMUM RECORDED READING OF EACH INSTRUMENT SINCE PREVIOUS ANNUAL INSPECTION**

N/A (no instrumentation)

**APPROXIMATE MINIMUM, MAXIMUM AND PRESENT DEPTH AND ELEVATION OF THE IMPOUNDED WATER SINCE PREVIOUS ANNUAL INSPECTION**

MIN. DEPTH: less than 1 foot

MAX. DEPTH: 11 ft

PRESENT DEPTH: up to 11 feet

MIN. ELEVATION: EL 15 ft

MAX. ELEVATION: EL 15 ft

PRESENT. ELEVATION: EL 15 ft

**APPROXIMATE MINIMUM, MAXIMUM AND PRESENT DEPTH AND ELEVATION OF CCR SINCE PREVIOUS ANNUAL INSPECTION.**

MIN. DEPTH: less than 1 ft

MAX. DEPTH: 33 ft

PRESENT DEPTH: up to 33 feet

MIN. ELEVATION: EL 3 ft (est.)

MAX. ELEVATION: EL 36 ft

PRESENT ELEVATION: up to EL 36 ft

**APPROXIMATE STORAGE CAPACITY OF IMPOUNDING STRUCTURE AT TIME OF INSPECTION.**

25,000,000 cubic yards (with stacking)\*

**APPROXIMATE VOLUME OF IMPOUNDED WATER AND CCR AT TIME OF INSPECTION**

WATER: 240,000 yd<sup>3</sup>\*

CCR: 15,961,255 yd<sup>3</sup>\*

**ANY APPEARANCE OF AN ACTUAL OR POTENTIAL STRUCTURAL WEAKNESS OF THE CCR UNIT, IN ADDITION TO ANY EXISTING CONDITIONS THAT ARE DISRUPTING OR HAVE THE POTENTIAL TO DISRUPT THE OPERATION AND SAFETY OF THE CCR UNIT AND APPURTENANT STRUCTURES?**

NO

(IF YES, DESCRIBE):


**ANY OTHER CHANGE(S) WHICH MAY HAVE AFFECTED THE STABILITY OR OPERATION SINCE THE PREVIOUS ANNUAL INSPECTION?**

NO

(IF YES, DESCRIBE):

\*Volume figures are estimated derived from available information.

Based on the results of my inspection and review of the data provided, it is my professional opinion that the report has been completed in accordance with 40 CFR 257.83(b).



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Jason S. Wilson, P.E.

1/12/2017  
Date

