| REPORT OF ANNUAL INSPECTION OF CCR SURFACE IMPOUNDMENT | | | |
|---|---|---|---|
| **FACILITY NAME:** Miller Steam Plant Ash Pond Dam | | | |
| **OWNER/OPERATOR OF FACILITY:** Alabama Power Company | | | |
| **INSPECTION DATE:** June 2, 2015 | | | |
| **INSPECTING ENGINEER:** Richard Mickwee, P.E. (Alabama P.E. License # 25107)<br>Southern Company Generation Hydro Services – Dam Safety & Surveillance Supervisor | | | |
| **ANY CHANGES IN GEOMETRY OF THE IMPOUNDING STRUCTURE SINCE THE PREVIOUS ANNUAL INSPECTION (YES OR NO)?** | **N/A *** | | |
| (IF YES, DESCRIBE): N/A | | | |
| | | | |
| **LOCATION AND TYPE OF EXISTING INSTRUMENTATION** | See Attached Table 1 | | |
| **MAXIMUM RECORDED READING OF EACH INSTRUMENT SINCE PREVIOUS ANNUAL INSPECTION** | N/A * | | |
| **APPROXIMATE MINIMUM, MAXIMUM AND PRESENT DEPTH AND ELEVATION OF THE IMPOUNDED WATER SINCE PREVIOUS ANNUAL INSPECTION** | | | |
| MIN. DEPTH: N/A * | MAX. DEPTH: N/A * | PRESENT DEPTH: Up to 22 feet | |
| MIN. ELEVATION: N/A * | MAX. ELEVATION: N/A * | PRESENT ELEVATION: EL 420.5 feet | |
| **APPROXIMATE MINIMUM, MAXIMUM AND PRESENT DEPTH AND ELEVATION OF CCR SINCE PREVIOUS ANNUAL INSPECTION.** | | | |
| MIN. DEPTH: N/A * | MAX. DEPTH: N/A * | PRESENT DEPTH: Up to 60 feet | |
| MIN. ELEVATION: N/A * | MAX. ELEVATION: N/A * | PRESENT ELEVATION: Up to EL 445 | |
| **APPROXIMATE STORAGE CAPACITY OF IMPOUNDING STRUCTURE AT TIME OF INSPECTION.** | 22,000,000 cubic yards ** | | |
| **APPROXIMATE VOLUME OF IMPOUNDED WATER AND CCR AT TIME OF INSPECTION** | **WATER:** 1,300,000 cubic yards ** | **CCR:** 17,695,000 cubic yards ** | |
| **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 (YES OR NO)?** | **NO** | | |
| (IF YES, DESCRIBE): N/A | | | |
| | | | |
| **ANY OTHER CHANGE(S) WHICH MAY HAVE AFFECTED THE STABILITY OR OPERATION SINCE THE PREVIOUS ANNUAL INSPECTION (YES OR NO)?** | **N/A *** | | |
| (IF YES, DESCRIBE): N/A | | | |
| | | | |

* This is the first 'Annual inspection by a qualified professional engineer' performed in accordance with 40 CFR Part 257.83. This information will be included in subsequent annual inspection reports.

** Cubic yard figures are estimates 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).

Richard L. Mickwee II, P.E.

1/14/2016

Date

| TABLE 1: INSTRUMENTATION TYPE AND LOCATION – MILLER ASH POND | | |
|---|---|---|
| **INSTRUMENT NUMBER** | **INSTRUMENT TYPE** | **LOCATION** |
| P-1 | Piezometer | Crest (Top) of Embankment, Right (North) Portion of Dam |
| P-2 | Piezometer | Crest of Embankment, Right Portion of Dam |
| P-3 | Piezometer | Crest of Embankment, Right Portion of Dam |
| P-4 | Piezometer | Crest of Embankment, Center of Dam |
| P-5 | Piezometer | Crest of Embankment, Center of Dam |
| P-6 | Piezometer | Toe (Bottom) of Dam, Right Portion of Dam |
| P-7 | Piezometer | Toe of Dam, Right Portion of Dam |
| P-8 | Piezometer | Toe of Dam, Right Portion of Dam |
| PA-1 | Piezometer | Crest of Dam, Left (South) Portion of Dam |
| PA-2 | Piezometer | Crest of Dam, Left Portion of Dam |
| PA-4 | Piezometer | Crest of Dam, Center of Dam |
| PA-5 | Piezometer | Crest of Dam, Center of Dam |
| PA-6 | Piezometer | Crest of Dam, Center of Dam |
| PA-7 | Piezometer | Crest of Dam, Center of Dam |
| PA-8 | Piezometer | Crest of Dam, Center of Dam |
| PA-9 | Piezometer | Crest of Dam, Center of Dam |
| PA-10 | Piezometer | Toe of Dam, Right Portion of Dam |
| PA-11 | Piezometer | Toe of Dam, Right Portion of Dam |
| EX-1 | Piezometer | Crest of Dam, Right Abutment of Dam |
| EX-2 | Piezometer | Right Abutment of Dam |
| EX-3 | Piezometer | Crest of Dam, Right Portion of Dam |
| EX-4 | Piezometer | Crest of Dam, Right Portion of Dam |
| SM-001 | Deformation Survey Monument (Vertical and Horizontal) | Crest of Dam, Left Abutment |
| SM-002 | Deformation Survey Monument (Vertical and Horizontal) | Crest of Dam, Left Portion of Dam |
| SM-003 | Deformation Survey Monument (Vertical and Horizontal) | Crest of Dam, Left Portion of Dam |
| SM-004 | Deformation Survey Monument (Vertical and Horizontal) | Crest of Dam, Center of Dam |
| SM-005 | Deformation Survey Monument (Vertical and Horizontal) | Crest of Dam, Center of Dam |
| SM-006 | Deformation Survey Monument (Vertical and Horizontal) | Crest of Dam, Center of Dam |
| SM-007 | Deformation Survey Monument (Vertical and Horizontal) | Crest of Dam, Right Portion of Dam |