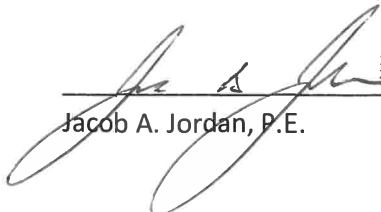


REPORT OF ANNUAL INSPECTION OF CCR SURFACE IMPOUNDMENT		
FACILITY NAME: Miller Steam Plant Ash Pond Dam		
OWNER/OPERATOR OF FACILITY: Alabama Power Company		
INSPECTION DATE: September 29, 2022		
INSPECTING ENGINEER: Jacob A. Jordan, P.E. (Alabama P.E. License #25093) Southern Company Services – Principal Engineer, Dam Safety		
ANY CHANGES IN GEOMETRY OF THE IMPOUNDING STRUCTURE SINCE THE PREVIOUS ANNUAL INSPECTION?	YES	
(IF YES, DESCRIBE): As a part of closure construction at the ash pond, excavation to lower the embankment crest began on August 29, 2022. The minimum elevation of the crest during the inspection was EL 418 ft.		
LOCATION AND TYPE OF EXISTING INSTRUMENTATION	See attached Table 1	
MAXIMUM RECORDED READING OF EACH INSTRUMENT SINCE PREVIOUS ANNUAL INSPECTION	See attached Table 2 (deformation monuments not applicable)	
APPROXIMATE MINIMUM, MAXIMUM AND PRESENT DEPTH AND ELEVATION OF THE IMPOUNDED WATER SINCE PREVIOUS ANNUAL INSPECTION		
MIN. DEPTH: less than 1 foot	MAX. DEPTH: 68 ft	PRESENT DEPTH: 51
MIN. ELEVATION: EL 392 ft	MAX. ELEVATION: EL 412 ft*	PRESENT. ELEVATION: EL 392 ft
APPROXIMATE MINIMUM, MAXIMUM AND PRESENT DEPTH AND ELEVATION OF CCR SINCE PREVIOUS ANNUAL INSPECTION.		
MIN. DEPTH: less than 1 ft	MAX. DEPTH: 90 ft	PRESENT DEPTH: up to 90 feet
MIN. ELEVATION: EL 300 ft (est.)	MAX. ELEVATION: EL 510 ft	PRESENT ELEVATION: EL 500 (at high point of the stacked CCR)
APPROXIMATE STORAGE CAPACITY OF IMPOUNDING STRUCTURE AT TIME OF INSPECTION.	22,000,000 yd ^{3**}	
APPROXIMATE VOLUME OF IMPOUNDED WATER AND CCR AT TIME OF INSPECTION	WATER: 1,801,000 yd ^{3**}	CCR: 19,500,000 yd ^{3**}
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?	YES	
(IF YES, DESCRIBE): To maintain stormwater capacity in conjunction with the lowered embankment crest, the discharge riser was lowered to an elevation of EL 409 ft.		


*Prior to dewatering and lowering of riser

**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) and ADEM Admin. Code r. 335-13-15-.05(4)(b).



Jacob A. Jordan, P.E.



1/13/23
Date

TABLE 1: INSTRUMENTATION TYPE AND LOCATION – MILLER ASH POND

NOTE: All piezometers deformation monuments were abandoned and/or removed prior to the embankment being lowered in August 2022.

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

TABLE 2: MAXIMUM RECORDED READINGS OF EACH INSTRUMENT SINCE PREVIOUS ANNUAL INSPECTION***	
INSTRUMENT NUMBER	MAXIMUM RECORDED READING (EL ft)
P-1	401.9
P-2	388.4
P-3	380.7
P-4	377.8
P-5	361.3
P-6	387.6
P-7	378.3
P-8	368.7
PA-1	325.6
PA-2	324.5
PA-4*	n/a
PA-5	284.4
PA-6**	n/a
PA-7**	n/a
PA-8	289.5
PA-9	294.9
PA-10	358.2
PA-11	395.9
EX-1	417.9
EX-2	281.7
EX-3	281.1
EX-4*	n/a

* Dry, no longer monitored

** Damaged casing, no longer in service

***All piezometers were abandoned in February 2022. The final readings were conducted on January 6, 2022.