

REPORT OF ANNUAL INSPECTION OF CCR SURFACE IMPOUNDMENT		
FACILITY NAME: Gorgas Steam Plant – Ash Pond Dam		
OWNER/OPERATOR OF FACILITY: Alabama Power Company		
INSPECTION DATE: March 31, 2021		
INSPECTING ENGINEER: Jacob A. Jordan, P.E. (Alabama P.E. License #25093) 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	See Attached Table 1	
MAXIMUM RECORDED READING OF EACH INSTRUMENT SINCE PREVIOUS ANNUAL INSPECTION	Deformation Monuments Only	
APPROXIMATE MINIMUM, MAXIMUM AND PRESENT DEPTH AND ELEVATION OF THE IMPOUNDED WATER SINCE PREVIOUS ANNUAL INSPECTION		
MIN. DEPTH: less than 1 foot	MAX. DEPTH: 62 ft	PRESENT DEPTH: up to 62 feet
MIN. ELEVATION: EL 320 ft	MAX. ELEVATION: EL 382 ft	PRESENT. ELEVATION: EL 382 ft
APPROXIMATE MINIMUM, MAXIMUM AND PRESENT DEPTH AND ELEVATION OF CCR SINCE PREVIOUS ANNUAL INSPECTION.		
MIN. DEPTH: less than 1 ft	MAX. DEPTH: 120 ft	PRESENT DEPTH: up to 120 feet
MIN. ELEVATION: EL 270 ft (est.)	MAX. ELEVATION: EL 387 ft	PRESENT ELEVATION: up to EL 387 ft
APPROXIMATE STORAGE CAPACITY OF IMPOUNDING STRUCTURE AT TIME OF INSPECTION.	29,000,000 cubic yards	
APPROXIMATE VOLUME OF IMPOUNDED WATER AND CCR AT TIME OF INSPECTION	WATER: 4,000,000 yd ³ *	CCR: 25,000,000 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?	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) and ADEM Admin. Code r. 335-13-15-.05(4)(b).



Jacob A. Jordan, P.E.



1/14/2022
Date

TABLE 1: INSTRUMENTATION TYPE AND LOCATION - GORGAS ASH POND		
INSTRUMENT NUMBER	INSTRUMENT TYPE	LOCATION
SM-101	Deformation Survey Monument (Vertical and Horizontal)	Crest (Top) of Dam, Near Left (West) Abutment
SM-102	Deformation Survey Monument (Vertical and Horizontal)	Crest of Dam, Left Portion of Dam
SM-103	Deformation Survey Monument (Vertical and Horizontal)	Crest of Dam, Center-Left Portion of Dam
SM-104	Deformation Survey Monument (Vertical and Horizontal)	Crest of Dam, Center-Right (East) Portion of Dam
SM-105	Deformation Survey Monument (Vertical and Horizontal)	Crest of Dam, Right Portion of Dam
SM-106	Deformation Survey Monument (Vertical and Horizontal)	Crest of Dam, Near Right Abutment
WEIR	Seepage Weir	Toe (Bottom) of Ash Pond, Center-Right portion of dam