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: April 12, 2023 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? (IF YES, DESCRIBE): LOCATION AND TYPE OF EXISTING INSTRUMENTATION* See Attached Table 1 MAXIMUM RECORDED READING OF FACH INSTRUMENT SINCE PREVIOUS ANNUAL INSPECTION* 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. ELEVATION: EL 375 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. ELEVATION: Up to 120 feet MIN. ELEVATION: EL 270 ft (est.) MAX. ELEVATION: EL 375 ft APPROXIMATE STORAGE CAPACITY OF IMPOUNDED WATER STRUCTURE AT TIME OF IMPOUNDING STRUCTURE AT TIME OF APPROXIMATE STORAGE CAPACITY OF IMPOUNDING STRUCTURE AT TIME OF APPROXIMATE VOLUME OF IMPOUNDED WATER: 4,000,000 WATER AND CCR AT TIME OF INSPECTION APPROXIMATE VOLUME OF IMPOUNDED WATER: 4,000,000 WATER: 4,000,000 CCR: 25,000,000 yd³** 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 NO OD DISRUPT THE OPERATION AND SAFETY OF THE CCR UNIT AND APPURTENANT STRUCTURES? (IF YES, DESCRIBE): ANY OTHER CHANGE(S) WHICH MAY HAVE AFFECTED THE STABILITY OR OPERATION SINCE THE PREVIOUS ANNUAL INSPECTION? (IF YES, DESCRIBE):							
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AND APPURTENANT STRUCTURES? (IF YES, DESCRIBE): ANY OTHER CHANGE(S) WHICH MAY HAVE AFFECTED THE STABILITY OR OPERATION SINCE THE PREVIOUS ANNUAL NO INSPECTION?					110		
ANY OTHER CHANGE(S) WHICH MAY HAVE AFFECTED THE STABILITY OR OPERATION SINCE THE PREVIOUS ANNUAL INSPECTION?							
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INSPECTION?	ANY OTHER CHANGE(S) WHICH MAY HAVE AFFECTED THE						
	STABILITY OR OPERATION SINCE THE PREVIOUS ANNUAL			NO			
(IF YES, DESCRIBE):							
	(IF YES, DESCRIBE):						

^{*}The monitoring program was ended due to safety issues and the lack of significant lateral or horizontal movement over the 16 years since the dike was raised. The final survey was conducted on 8/15/23.

^{**}Volume figures are estimated derived from available information.

Based on the results of the inspection and my 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).

James C. Pegues, P.E.

TOSTO

PROFESSIONAL

PEGUES

PE

1)17/74 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		