

ANNUAL INSPECTION BY A QUALIFIED PROFESSIONAL ENGINEER

40 CFR § 257.83(b)

Rev. 4 - 11/15/2018

(b)(1) If the existing or new CCR surface impoundment or any lateral expansion of the CCR surface impoundment is subject to the periodic structural stability assessment requirements under § 257.73(d) or § 257.74(d), the CCR unit must additionally be inspected on a periodic basis by a qualified professional engineer to ensure that the design, construction, operation, and maintenance of the CCR unit is consistent with recognized and generally accepted good engineering standards. The inspection must, at a minimum, include: (i) A review of available information regarding the status and condition of the CCR unit, including, but not limited to, files available in the operating record (e.g., CCR unit design and construction information required by §§ 257.73(c)(1) and 257.74(c)(1), previous periodic structural stability assessments required under §§ 257.73(d) and 257.74(d), the results of inspections by a qualified person, and results of previous annual inspections); (ii) A visual inspection of the CCR unit to identify signs of distress or malfunction of the CCR unit and appurtenant structures; and (iii) A visual inspection of any hydraulic structures underlying the base of the CCR unit or passing through the dike of the CCR unit for structural integrity and continued safe and reliable operation.

SITE INFORMATION

Site Name / Address / Date of Inspection	Electric Energy, Inc. Massac County, Illinois 62017 08/09/2018
Operator Name / Address	Luminant Generation Company LLC 6555 Sierra Drive, Irving, TX 75039
CCR unit	East Ash Pond

INSPECTION REPORT 40 CFR § 257.83(b)(2)

Date of Inspection 11/01/2018

(b)(2)(i) Any changes in geometry of the structure since the previous annual inspection.	Based on a review of the CCR unit's records and visual observation during the on-site inspection, no changes in geometry of the structure have taken place since the previous annual inspection.
(b)(2)(ii) The location and type of existing instrumentation and the maximum recorded readings of each instrument since the previous annual inspection	See the attached.
b)(2)(iii) The approximate minimum, maximum, and present depth and elevation of the impounded water and CCR since the previous annual inspection;	See the attached.
b)(2)(iv) The storage capacity of the impounding structure at the time of the inspection	Approximately 6400 acre-feet Note: Previous years reports showed 8900 acre-feet, this was in error due to incorrect use of bottom elevation.
(b)(2)(v) The approximate volume of the impounded water and CCR contained in the unit at the time of the inspection.	Approximately 4000 acre-feet Note: Previous years report showed 2755 acre-feet, this was in error.
(b)(2)(vi) Any appearances 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	Based on a review of the CCR unit's records and visual observation during the on-site inspection, there was no appearance of an actual or potential structural weakness of the CCR unit, nor an existing condition that is disrupting or would disrupt the operation and safety of the unit.

INSPECTION REPORT 40 CFR § 257.83(b)(2)

Date of Inspection 11/01/2018

(b)(2)(vii) Any other change(s) which may have affected the stability or operation of the impounding structure since the previous annual inspection.

Based on a review of the CCR unit's records and visual observation during the on-site inspection, no other changes which may have affected the stability or operation of the CCR unit have taken place since the previous annual inspection.

40 CFR § 257.83(b) - Annual inspection by a qualified professional engineer.

I, James Knutelski, P.E., certify under penalty of law that the information submitted in this report was prepared by me or under my direct supervision and that I am a duly Registered Professional Engineer under the laws of the state of Illinois. The information submitted, is to the best of my knowledge and belief, true, accurate and complete. Based on the annual inspection, the design, construction, operation, and maintenance of the CCR Unit is consistent with recognized and generally accepted good engineering standards.



James Knutelski, PE
Illinois PE No. 062-054206, Expires: 11/30/2019
Date: 12/28/2018

Jopba

Site Name: Electric Energy Inc. - Joppa
 CCR Unit: East Ash Pond

40 CFR § 257.83(b)(2)(ii)		
Instrument ID #	Type	Maximum recorded reading since previous annual inspection (ft)
JOP-B004	Piezometer	348.7'
JOP-B005	Piezometer	366.8'
JOP-B007	Piezometer	324.0'
JOP-B008	Piezometer	355.3'
JOP-B009	Piezometer	367.5'
JOP-B011	Piezometer	337.8'
JOP-B012	Piezometer	347.4'
JOP-B014	Piezometer	334.2'
JOP-B015	Piezometer	354.7'
JOP-B016	Piezometer	351.3'
JOP-B020	Piezometer	353.1'
JOP-B023	Piezometer	364.7'

40 CFR § 257.83(b)(2)(iii)						
Since previous inspection:	Approximate Depth / Elevation					
	Elevation (ft)			Depth (ft)		
	Minimum	Present	Maximum	Minimum	Present	Maximum
Impounded Water		374			28	
CCR	375		385	66		76

Joppa

Joppa

East Ash Pond

Legend

● Feature 1



1000 ft



Google earth