

**ANNUAL CCR SURFACE IMPOUNDMENT
INSPECTION REPORT (per 40 CFR 257.83(b)(2))**

Power Station: Joppa Power Station

Owner: Electric Energy, Inc.

CCR Impoundment: East Ash Pond

Date of Inspection: 10/8/2015

Name of Qualified Professional Engineer: James Knutelski, P.E. and Jason Campbell, P.E.

In accordance with 40 CFR § 257.83(b)(1), an existing or new CCR surface impoundment or any lateral expansion of the CCR surface impoundment that is subject to the periodic structural stability assessment requirements under § 257.73(d) or § 257.74(d) must 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.

Inspection Report 40 CFR § 257.83(b)(2)

- i) Have there been any changes in geometry of the impounding structure since the previous annual inspection? If yes, please explain.

No changes.

- ii) Instrumentation
(Please see following page for instrumentation location map)

Instrument ID #	Type	Maximum recorded reading since previous annual inspection (ft)
See Attached		

iii) Since previous annual inspection:	Approximate Depth / Elevation					
	Elevation (ft)			Depth (ft)		
	Minimum	Present	Maximum	Minimum	Present	Maximum
Impounded Water		375			29	
CCR	375		380	66		71

iv) Storage capacity of the impounding structure at the time of the inspection (acre-ft): 8900

v) Approximate volume of the impounded water and CCR at the time of the inspection (acre-ft):

water volume: 400

CCR volume: 2,293

vi) Are there 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 and appurtenant structures?

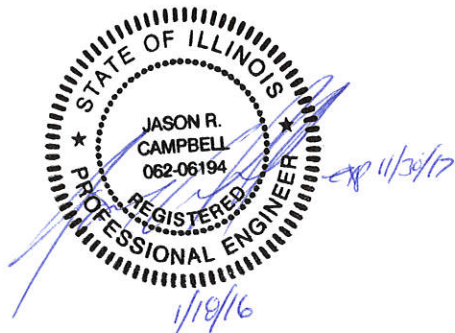
None

vii) Are there any other changes which may have affected the stability or operation of the impounding structure since the previous annual inspection?

None

I, Jason Campbell, 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 herein is to the best of my knowledge and belief, true, accurate and complete.

Dated: 1/18/2016



Piezometer		
Number	Type	Max Reading
JOP-B001	VWP	309.6
JOP-B002	VWP	335.0
JOP-B003	VWP	345.1
JOP-B004	VWP	347.7
JOP-B005	VWP	362.7
JOP-B006	VWP	327.9
JOP-B007	VWP	316.8
JOP-B008	VWP	357.9
JOP-B009	VWP	360.3
JOP-B010	VWP	330.5
JOP-B011	VWP	333.9
JOP-B012	VWP	341.6
JOP-B014	VWP	335.5
JOP-B015	VWP	352.0
JOP-B016	VWP	351.4
JOP-B017	VWP	334.6
JOP-B018	VWP	351.7
JOP-B019	VWP	372.8
JOP-B020	VWP	352.0
JOP-B021	VWP	315.8
JOP-B022	VWP	348.7
JOP-B023	VWP	358.6

Legend:

VWP: Vibrating Wire Piezometer

Joppa

East Ash Pond

Legend

● Feature 1



1000 ft

Google earth

