

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

Power Station: Wood River Power Station

Owner: Dynegy Midwest Generation, LLC

CCR Impoundment: West Ash Pond 1

Date of Inspection: 10/5/2015

Name of Qualified Professional Engineer: Kipkoech K. Chepkoiit, Ph. D., 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.

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

Instrument ID #	Type	Maximum recorded reading since previous annual inspection (ft)
P016	Piezometer	426.0'
P020	Piezometer	406.0'
P025	Piezometer	427.8'
P026	Piezometer	426.9'

iii) Since previous annual inspection:	Approximate Depth / Elevation					
	Elevation (ft)			Depth (ft)		
	Minimum	Present	Maximum	Minimum	Present	Maximum
Impounded Water						
CCR	430		438	16		24

iv) Storage capacity of the impounding structure at the time of the inspection (acre-ft): 435

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

water volume: 0

CCR volume: 410

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

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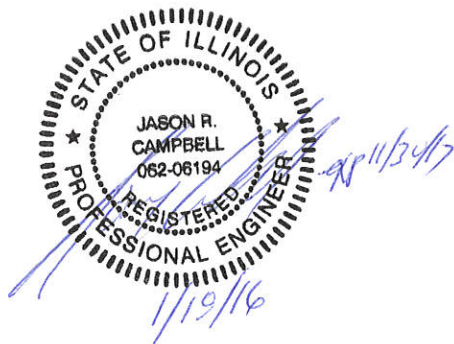
vii) Are there any other changes which may have affected the stability or operation of the impounding structure since the previous annual inspection?

None

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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



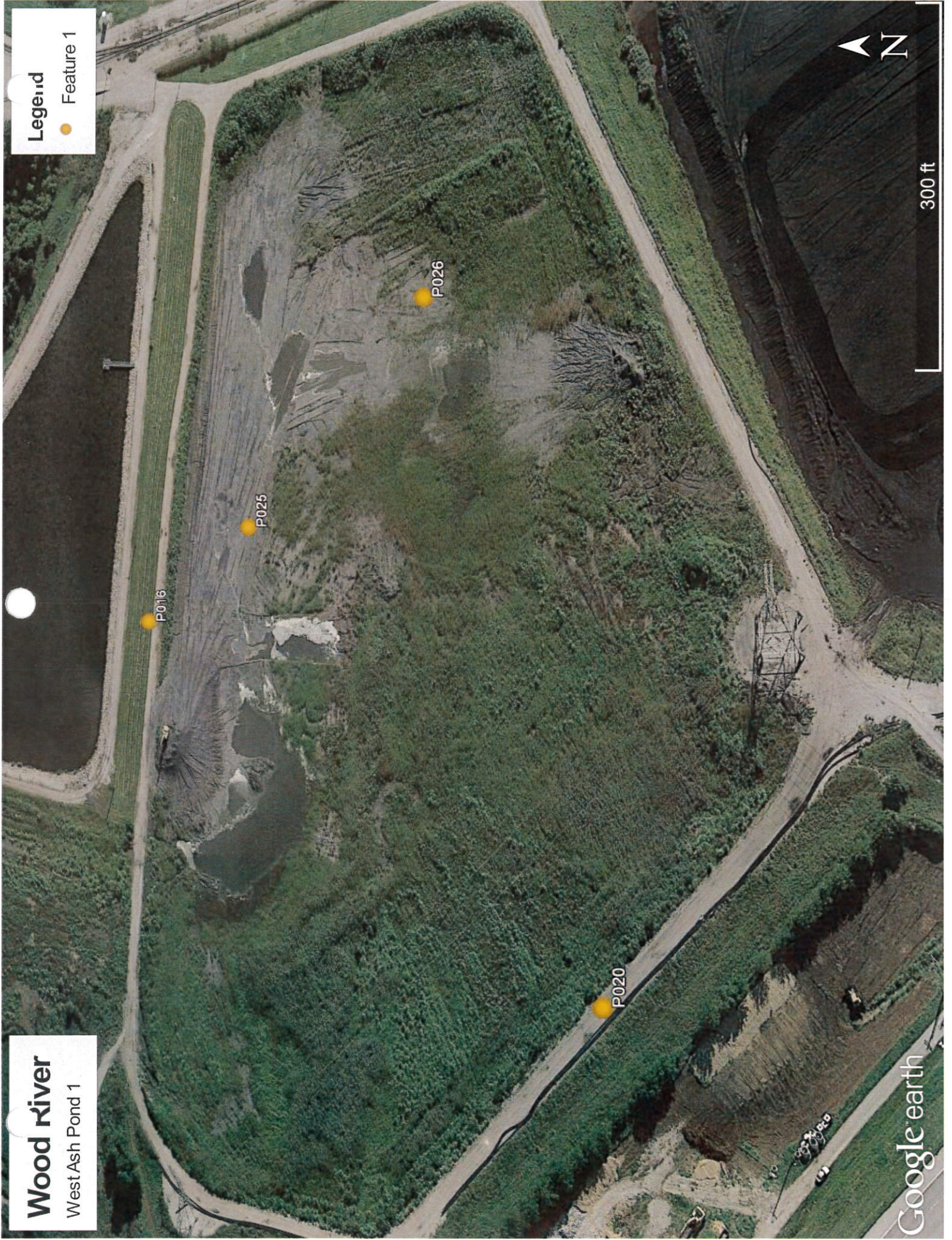


# Wood River

West Ash Pond 1

## Legend

● Feature 1



Google earth

300 ft





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

Power Station: Wood River Power Station

Owner: Dynegy Midwest Generation, LLC

CCR Impoundment: West Ash Pond 2E

Date of Inspection: 10/5/2015

Name of Qualified Professional Engineer: Kipkoech K. Chepkoit, Ph. D., 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.

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

Instrument ID #	Type	Maximum recorded reading since previous annual inspection (ft)
None		

		Approximate Depth / Elevation					
		Elevation (ft)			Depth (ft)		
iii)	Since previous annual inspection:	Minimum	Present	Maximum	Minimum	Present	Maximum
	Impounded Water		430			2.8	
	CCR	427		443	13		29

iv) Storage capacity of the impounding structure at the time of the inspection (acre-ft): 355

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

water volume: 11

CCR volume: 108

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

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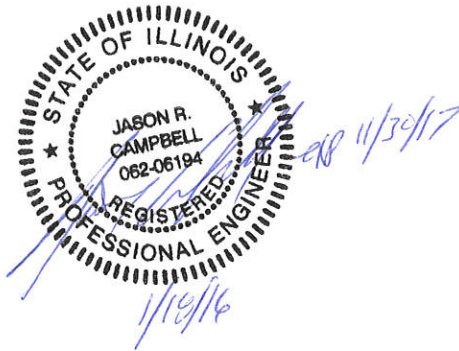
vii) Are there any other changes which may have affected the stability or operation of the impounding structure since the previous annual inspection?

None

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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



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

Power Station: Wood River Power Station

Owner: Dynegy Midwest Generation, LLC

CCR Impoundment: West Ash Pond 2W

Date of Inspection: 10/5/2015

Name of Qualified Professional Engineer: Kipkoech K. Chepkoiit, Ph. D., 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.

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

Instrument ID #	Type	Maximum recorded reading since previous annual inspection (ft)
P008	Piezometer	407.5'
P021	Piezometer	406.9'
P024	Piezometer	406.6'

iii) Since previous annual inspection:	Approximate Depth / Elevation					
	Elevation (ft)			Depth (ft)		
	Minimum	Present	Maximum	Minimum	Present	Maximum
Impounded Water		417			3	
CCR	414		431	0		17

iv) Storage capacity of the impounding structure at the time of the inspection (acre-ft): 140

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

water volume: 13

CCR volume: 195

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

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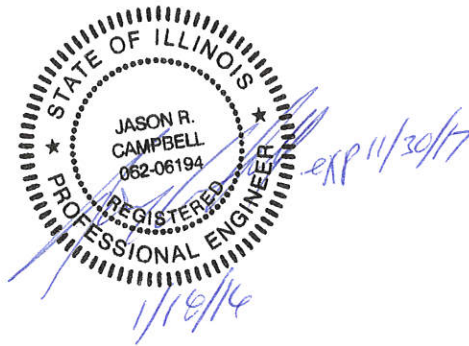
vii) Are there any other changes which may have affected the stability or operation of the impounding structure since the previous annual inspection?

None

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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





**Wood River**  
West Ash Pond 2W

Legend

● Feature 1

P008

P021

P024



300 ft

Google earth

