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

Power Station: Baldwin Energy Complex

Owner: Dynegy Midwest Generation, LLC

CCR Impoundment: Bottom Ash Pond

Date of Inspection: 10/20/2015

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.

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

| Instrument ID # | Type | Maximum recorded reading since previous annual inspection (ft) |
|---|---|---|
| P003 | Piezometer | 435.9' |
| P006 | Piezometer | 443.3' |
| P007 | Piezometer | 435.9' |
| P013 | Piezometer | 443.7' |

iii)

| Since previous annual inspection: | Approximate Depth / Elevation | | | | | |
|---|---|---|---|---|---|---|
| | Elevation (ft) | | | Depth (ft) | | |
| | Minimum | Present | Maximum | Minimum | Present | Maximum |
| Impounded Water | | 420 | | | 22 | |
| CCR | 415 | | 460 | 17 | | 62 |

iv) Storage capacity of the impounding structure at the time of the inspection (acre-ft): 5900

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

water volume: 20.5

CCR volume: 1,570

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


Baldwin
Bottom Ash pond
Legend
Feature 1
P013
P007
P003
P006
Google earth
N
700 ft

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

Power Station: Baldwin Energy Complex

Owner: Dynegy Midwest Generation, LLC

CCR Impoundment: West Fly Ash Pond

Date of Inspection: 10/20/2015

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.

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

| Instrument ID # | Type | Maximum recorded reading since previous annual inspection (ft) |
|---|---|---|
| P004 | Piezometer | 440.4' |

iii)

| Since previous annual inspection: | Approximate Depth / Elevation | | | | | |
|---|---|---|---|---|---|---|
| | Elevation (ft) | | | Depth (ft) | | |
| | Minimum | Present | Maximum | Minimum | Present | Maximum |
| Impounded Water | | 425 | | | 7 | |
| CCR | 418 | | 446 | 32.8 | | 60.8 |

iv) Storage capacity of the impounding structure at the time of the inspection (acre-ft): 3700

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

water volume: 35

CCR volume: 812

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?

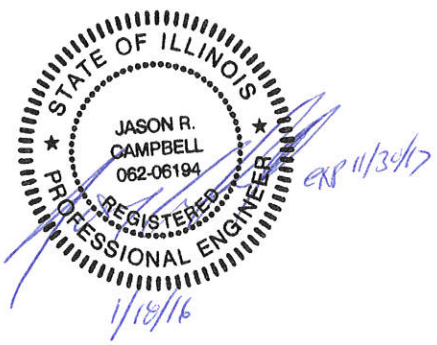
None

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




Baldwin
West Fly Ash pond
Legend
Feature 1
P004
N
700 ft
Google earth

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

Power Station: Baldwin Energy Complex

Owner: Dynegy Midwest Generation, LLC

CCR Impoundment: Old East Fly Ash Pond

Date of Inspection: 10/20/2015

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.

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

| Instrument ID # | Type | Maximum recorded reading since previous annual inspection (ft) |
|---|---|---|
| P006 | Piezometer | 443.3' |
| P007 | Piezometer | 435.9' |
| P008 | Piezometer | 440.9' |
| P009 | Piezometer | 439.9' |
| P010 | Piezometer | 451.7' |
| P011 | Piezometer | 439.7' |
| P012 | Piezometer | 450.8' |
| P013 | Piezometer | 443.7' |

iii)

| Since previous annual inspection: | Approximate Depth / Elevation | | | | | |
|---|---|---|---|---|---|---|
| | Elevation (ft) | | | Depth (ft) | | |
| | Minimum | Present | Maximum | Minimum | Present | Maximum |
| Impounded Water | | | | | | |
| CCR | 447 | | 458 | 26.5 | | 37.5 |

iv) Storage capacity of the impounding structure at the time of the inspection (acre-ft): 3,450

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

water volume: 0

CCR volume: 2,963

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?

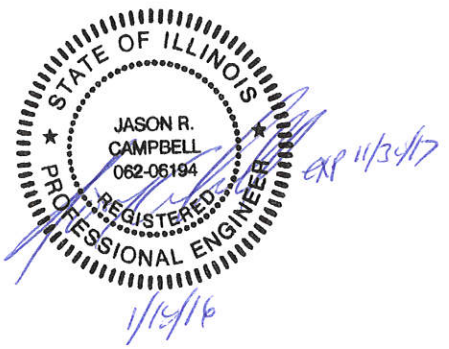
None

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




Baldwin
Old East Fly Ash pond
Legend
Feature 1
P013
P007
P011
P006
P010
P008
N
1000 ft
Google earth

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

Power Station: Baldwin Energy Complex

Owner: Dynegy Midwest Generation, LLC

CCR Impoundment: East Fly Ash Pond

Date of Inspection: 10/20/2015

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.

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

| Instrument ID # | Type | Maximum recorded reading since previous annual inspection (ft) |
|---|---|---|
| P003 | Piezometer | 435.9' |
| P004 | Piezometer | 440.4' |
| P005 | Piezometer | 443.9' |

iii)

| Since previous annual inspection: | Approximate Depth / Elevation | | | | | |
|---|---|---|---|---|---|---|
| | Elevation (ft) | | | Depth (ft) | | |
| | Minimum | Present | Maximum | Minimum | Present | Maximum |
| Impounded Water | | 445 | | | 5 | |
| CCR | 447 | | 460 | 47 | | 60 |

iv) Storage capacity of the impounding structure at the time of the inspection (acre-ft): 4,300

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

water volume: 2.5

CCR volume: 2,215

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?

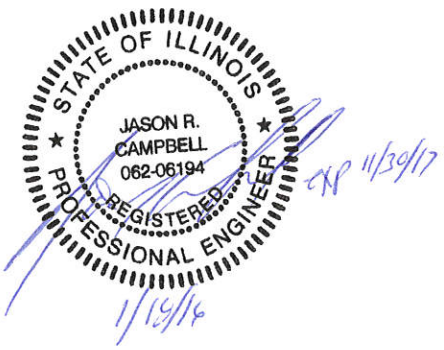
None

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




Baldwin
East Fly Ash pond
Legend
Feature 1
P003
P004
P005
Google earth
700 ft
N

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

Power Station: Baldwin Energy Complex

Owner: Dynegy Midwest Generation, LLC

CCR Impoundment: Secondary pond

Date of Inspection: 10/20/2015

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.

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

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

iii)

| Since previous annual inspection: | Approximate Depth / Elevation | | | | | |
|---|---|---|---|---|---|---|
| | Elevation (ft) | | | Depth (ft) | | |
| | Minimum | Present | Maximum | Minimum | Present | Maximum |
| Impounded Water | | 393.3 | | | 13.3 | |
| CCR | 380 | | 430 | 0 | | 50 |

iv) Storage capacity of the impounding structure at the time of the inspection (acre-ft): 400

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

water volume: 64

CCR volume: 20.5

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?

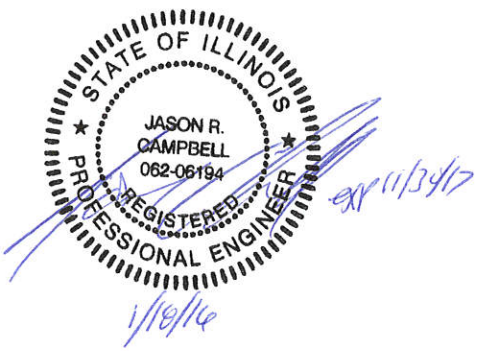
Spillway is constructed partially of rip rap that is designed to allow water to flow through the embankment.

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



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

Power Station: Baldwin Energy Complex

Owner: Dynegy Midwest Generation, LLC

CCR Impoundment: Tertiary pond

Date of Inspection: 10/20/2015

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.

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

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

iii)

| Since previous annual inspection: | Approximate Depth / Elevation | | | | | |
|---|---|---|---|---|---|---|
| | Elevation (ft) | | | Depth (ft) | | |
| | Minimum | Present | Maximum | Minimum | Present | Maximum |
| Impounded Water | | 393 | | | 17 | |
| CCR | 375 | | 395 | 0 | | 19 |

iv) Storage capacity of the impounding structure at the time of the inspection (acre-ft): 65

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

water volume: 18

CCR volume: 29

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?

Spillway is constructed partially of rip rap that is designed to allow water to flow through the embankment.

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