

City Water, Light and Power
Coal Combustion Residuals Units
40 CFR 257 and 35 IAC 845
Weekly Inspection Form

Date: 9-4-24 Time: 9:00 Inspector(s) / Position: Staley

Site Conditions:

Sky: Clear Ground Moisture: Damp Temperature: 81 Precipitation: None

Berms – Landfill Unit 2:

Conditions Limiting Visibility:

- ☐ Snow Cover
☒ Vegetation

- ☐ Other _____
☐ None

Observations:

- ☐ Erosion / Gullies
☐ Cracking / Sloughing
☐ Seeps / Damp Areas
☐ Signs of Creep
☐ Failed/eroded vegetation >100sq ft.

- ☐ Sudden drop in impoundment level
☐ Actual or potential structural weakness
☐ Improper operation of overtopping control
☒ Visible release
☐ No observed problems

Describe findings. Identify locations on attached map. Attach additional pages if necessary.

Visible release. See notes on page 6.
Vegetation obscured release area to East



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Berms – Dallman Ash Pond

Conditions Limiting Visibility:

- ☐ Snow Cover
- ☐ Vegetation

- ☐ Other _____
- ☒ None

Observations:

- | | |
|--|--|
| <input type="checkbox"/> Erosion / Gullies | <input type="checkbox"/> Sudden drop in impoundment level |
| <input type="checkbox"/> Cracking / Sloughing | <input type="checkbox"/> Actual or potential structural weakness |
| <input type="checkbox"/> Seeps / Damp Areas | <input type="checkbox"/> Improper operation of overtopping control |
| <input type="checkbox"/> Signs of Creep | <input type="checkbox"/> Visible release |
| <input type="checkbox"/> Failed/eroded vegetation >100sq ft. | <input checked="" type="checkbox"/> No observed problems |

Describe findings. Identify locations on attached map. Attach additional pages if necessary.



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Berms – Lakeside Ash Pond

Conditions Limiting Visibility:

- ☐ Snow Cover
- ☐ Vegetation

- ☐ Other _____
- ☒ None

Observations:

- ☐ Erosion / Gullies
- ☐ Cracking / Sloughing
- ☐ Seeps / Damp Areas
- ☐ Signs of Creep
- ☐ Failed/eroded vegetation >100sq ft.

- ☐ Sudden drop in impoundment level
- ☐ Actual or potential structural weakness
- ☐ Improper operation of overtopping control
- ☐ Visible release
- ☒ No observed problems

Describe findings. Identify locations on attached map. Attach additional pages if necessary.



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Berms – Lime Softening Ponds

Conditions Limiting Visibility:

- ☐ Snow Cover
- ☐ Vegetation

- ☐ Other _____
- ☒ None

Observations:

- ☐ Erosion / Gullies
- ☐ Cracking / Sloughing
- ☐ Seeps / Damp Areas
- ☐ Signs of Creep
- ☐ Failed/eroded vegetation >100sq ft.

- ☐ Sudden drop in impoundment level
- ☐ Actual or potential structural weakness
- ☐ Improper operation of overtopping control
- ☐ Visible release
- ☒ No observed problems

Describe findings. Identify locations on attached map. Attach additional pages if necessary.



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Areas of Previous Repair(s):

Location: _____

Description of Repair: _____

Effectiveness of Repair:

- ☐ Problem completely remedied
- ☐ Problem partially remedied (explain below):
- ☐ Problem not remedied (explain below):

- ☐ Progression of trouble into new area (explain):

Areas of Previous Repair(s):

Location: _____

Description of Repair: _____

Effectiveness of Repair:

- ☐ Problem completely remedied
- ☐ Problem partially remedied (explain below):
- ☐ Problem not remedied (explain below):

- ☐ Progression of trouble into new area (explain):

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Additional Notes:

On Saturday August 31, calcium carbonate, a non-CCR material generated from the water purification process, was observed to have washed over the Unit 2 landfill perimeter berm after a heavy rain the evening before. The calcium carbonate (lime sludge) is permitted Illinois EPA to be stored and dewatered within the landfill before reclamation as a beneficial reuse product. The lime sludge was being stored within a temporary bermed area within the constructed berm of the landfill. The heavy rain washed some of the material beyond the temporary bermed area within the constructed berm and deposited it in the ditch within the constructed berm that contains the landfill leachate collection sump. The material appears to have entered the ditch faster than the sump could remove it and the lime sludge overtopped the south east portion of the constructed berm.

The entirety of the berm was inspected on August 31 and no actual or potential structural defects were observed as a result of the precipitation event.

The material was entirely contained within the facility boundary. Material retained within the ditch of the constructed berm was pumped to the Clarification Pond for treatment and eventual discharge through Outfall 004 in accordance with NPDES permit conditions. Excess water from the material was captured in the evaporation ponds and pumped to the Clarification Pond for treatment and eventual discharge through Outfall 004 in accordance with NPDES permit conditions. Solids from the lime sludge were being consolidated using heavy equipment at the time of inspection and will be hauled back into the landfill at the time of the inspection.

At no time did leachate or lime sludge material enter waters of the State or exit the landfill boundaries nor did the event cause actual or potential structural weakness of the landfill berm.