

Annual CCR Fugitive Dust Control Report for Baldwin Power Plant

Prepared for:



Illinois Power Generating Company

**Baldwin Power Plant
10901 Baldwin Rd
Baldwin, IL 62217**

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Baldwin Power Plant ANNUAL CCR FUGITIVE DUST CONTROL REPORT

Reporting Year: 4th Quarter 2023 through 3rd Quarter 2024

Completed by: Y. A. S. 11-13-2024 Mgr. Env. & Chemistry

Name Title

This Annual CCR Fugitive Dust Control Report has been prepared for the Baldwin Power Plant in accordance with 40 CFR 257.80(c) and 35 I.A.C.845.500. Section 1 provides a description of the actions taken to control CCR fugitive dust at the facility during the reporting year, including a summary of any corrective measures taken. Section 2 provides a record of citizen complaints received concerning CCR fugitive dust at the facility during the reporting year, including a summary of any corrective measures taken.

Section 1 Actions Taken to Control CCR Fugitive Dust

In accordance with the Baldwin Power Plant CCR Fugitive Dust Control Plan (Plan), the following measures were used to control CCR fugitive dust from becoming airborne at the facility during the reporting year:

| CCR Activity | Actions Taken to Control CCR Fugitive Dust |
|---|---|
| Management of CCR in the facility's CCR units | Wet management of CCR bottom ash and CCR fly ash in CCR surface impoundments. |
| | Apply water and/or apply dust suppressant to areas of exposed CCR in CCR units, as necessary. |
| | Naturally occurring grass vegetation in areas of exposed CCR in CCR surface impoundments. |
| | Reduce or halt operations during high wind events as necessary. |
| Handling of CCR at the facility | Wet sluice CCR bottom ash and fly ash to CCR surface impoundments. |
| | Pneumatically convey dry CCR fly ash and CCR FGD materials to storage silos in an enclosed system. |
| | CCR scrubber ash to be emplaced in offsite third-party owned/operated landfill is conditioned before loading into trucks for transport to the landfill. |
| | Water is added to CCR fly ash at the loadout silos for on-site transport in a partially enclosed area. |
| | Load CCR transport trucks from the CCR fly ash and CCR FGD materials silos in a partially enclosed area. |

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| CCR Activity | Actions Taken to Control CCR Fugitive Dust |
|---|---|
| Handling of CCR at the facility | Load CCR transport trucks from the CCR fly ash silos using a telescoping chute. |
| | Transfer CCR dry fly ash into rail cars using a railcar loading spout and associated dust filter collection system. |
| | Perform housekeeping, as necessary, in the fly ash loading area. |
| | Operate fly ash and CCR FGD materials handling system in accordance with good operating practices. |
| | Maintain and repair as necessary dust controls on the CCR fly ash handling system and the CCR fly ash rail load-out system. |
| | Reduce or halt operations during high wind events as necessary. |
| Transportation of CCR at the facility for onsite and offsite disposal | CCR fly ash to be transported offsite may be loaded into a fully-enclosed truck. |
| | Water is added to CCR fly ash at the loadout for on-site transport. |
| | CCR scrubber ash to be emplaced in offsite third-party owned/operated landfill is conditioned before loading into trucks for transport to the landfill. |
| | Cover or enclose trucks used to transport CCR material, as necessary. |
| | Limit the speed of vehicles to no more than 15 mph on facility roads. |
| | Sweep or rinse off the outside of the trucks transporting CCR, as necessary. |
| | Remove CCR, as necessary, deposited on facility road surfaces during transport. |

Based on a review of the Plan and inspections associated with CCR fugitive dust control performed in the reporting year, the control measures identified in the Plan as implemented at the facility effectively minimized CCR from becoming airborne at the facility. This included application of water on areas outside the silos and on unpaved roads. The addition of a chemical dust suppressant in June and September was used in anticipation of increased vehicle travel on limited unpaved roads, we did expand what roads were treated in 2024 to cover more area. The old East/East and West FA ponds are closed, capped and have vegetation now. A revision to control measures was identified in the Plan and included reducing or halting operations during high wind events.

No material changes occurred in the reporting year in site conditions potentially resulting in CCR fugitive dust becoming airborne at the facility that warrant an amendment of the Plan.

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Section 2 Record of Citizen Complaints

No citizen complaints were received regarding CCR fugitive dust at Baldwin Power Station in the reporting year.