Coal Combustion Residual
2026 Annual Fugitive Dust Control Report

Basin Electric Power Cooperative
Leland Olds Station

Through October 2026

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Purpose and Definitions

40 CFR § 257.80 requires the owner or operator of a Coal Combustion Residual (CCR) landfill or surface impoundment to effectively minimize CCR from becoming airborne at a facility, including CCR fugitive dust originating from CCR units, roads, and other CCR material management and material handling activities. This Annual Fugitive Dust Control Report (Annual Report) for Basin Electric Power Cooperative (Basin Electric) Leland Olds Station (LOS) CCR facilities includes a description of the actions taken to control CCR fugitive dust, a record of all citizen complaints, and a summary of any corrective measures taken. This Annual Report for LOS CCR facilities covers the period from October 1, 2025, to November 1, 2026. Annual Reports will be completed and placed in the facility operating record no later than December 1st of each subsequent year.

LOS operates two lignite-fired boilers, resulting in the production of CCRs. CCRs and CCR fugitive dust are defined in 40 CFR § 257.53 (Definitions) as:

"*CCR means fly ash, bottom ash, boiler slag, and flue gas desulfurization materials generated from burning coal for the purpose of generating electricity by electric utilities and independent power producers.*"

"CCR fugitive dust means solid airborne particulate matter that contains or is derived from CCRs, emitted from any source other than a stack or chimney."

CCRs generated at LOS (and thus regulated under 40 CFR 257) include bottom ash, flue gas desulfurization (FGD) materials and fly ash.

Dust from coal piles, aggregate surfaced roads, soil stockpiles and other non-CCR sources are not subject to this plan.

Actions Taken to Control Fugitive Dust

Ash Pond 2 and Pond 3 have been completely covered by an engineered closure system and no CCRs are exposed. Therefore, the possibility of fugitive dust emissions from the LOS CCR surface impoundments have been permanently eliminated. Accordingly, periodic fugitive dust observations and reporting are not necessary for the LOS surface impoundments.

CCR loading, hauling and landfill operations present the greatest potential sources of CCR fugitive dust emissions. The facility Environmental Coordinator, Coal Yard Supervisors, all Shift Supervisors, Lead Yard Equipment Operators and Equipment Operators work collectively to ensure fugitive dust is minimized.

Fugitive dust from loading operations is predominantly controlled by the moisture-conditioning of materials. Bottom ash is a relatively coarse-grained material and contains 15 to 40 percent moisture when loaded into haul trucks. These factors (grain-size and moisture content) greatly reduce fugitive dust emissions of this material. Fly ash is relatively fine-grained, and, if excessively dry, has the potential for becoming airborne during loading operations. Fly ash is moisture conditioned (typically to 10 to 20% moisture content by weight) in vertical shaft batch ash conditioners and then discharged into haul trucks. FGD material normally contains adequate moisture (10 to 20% moisture content by weight) when it is discharged from the secondary dewatering system. To further minimize fugitive dust, fly ash, bottom ash, and FGD material are loaded into haul trucks in full or partial enclosures at the LOS plant site. The moisture-conditioned CCRs are transported by haul truck approximately 4.5 miles to the LOS Glenharold Mine Landfill, where the CCRs are dumped, spread, and compacted.

The primary means of controlling fugitive dust during CCR hauling operations is by moisture conditioning the materials (described earlier) before transport. The haul road speed limit is set at 30 mph to further limit fugitive dust emissions.

As with loading and hauling operations, the primary means of controlling fugitive dust during landfill operations is the CCR moisture conditioning that occurs before the materials are loaded into haul trucks. Since the distance from the CCR load out facility to the landfill is relatively small, moisture-conditioned CCRs arrive at the landfill with essentially the same moisture content as when initially loaded.

On areas where fly ash/FGD will not be immediately placed or on areas subject to equipment traffic, bottom ash is spread to effectively seal the fine-grained CCRs, minimizing fugitive dust. Water is spread on the landfill if needed for additional dust suppression. Finally, the practice of partial sequential closure is integral to dust suppression efforts at the facility. As areas of the landfill are brought to grade, the final cover system is installed, effectively eliminating the possibility of CCR fugitive dust emission from these capped and revegetated areas.

Citizen Complaint Log

A log for recording citizen complaints was established as part of the LOS Fugitive Dust Control Plan. To date, Basin Electric has not received any public complaints due to CCR dust emissions from this facility.

Periodic Assessments and Corrective Measures

The facility Environmental Coordinator or other qualified person included observations for fugitive dust emissions while performing weekly inspections required by the CCR Rule under 40 CFR § 257.83 and § 257.84. The periodic inspections noted ambient weather conditions (such as recent precipitation or snow cover) that may affect the probability of dusting at the landfill. It was treated with a magnesium chloride dust suppressing agent in 2026; I was onsite and observed a water truck being used to control non-CCR road dust at the facility. The inspections did not identify any instances during the period covered by this Annual Report when additional dust suppression measures were deemed necessary. No fugitive dust issues were noted at LOS during the period covered by this Annual Report.

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