



CCR Annual Fugitive Dust Control Report



Omaha Public Power District
North Omaha Station

Omaha, Nebraska
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OPPD North Omaha Station CCR Annual Fugitive Dust Control Report

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1 Introduction

On April 17, 2015, the U.S. Environmental Protection Agency (EPA) published the final rule for the regulation and management of coal combustion residuals (CCR) under subtitle D of the Resource Conservation and Recovery Act (RCRA). The CCR rule defines a set of requirements for the disposal and handling of CCR in landfills and surface impoundments. One of the operating criteria for air, 40 CFR §257.80(c), specifies that an owner or operator of a CCR landfill, surface impoundment, or lateral expansion of a CCR unit must complete an annual fugitive dust report.

1.1 Purpose

The CCR rule requires CCR landfills to develop a CCR fugitive dust control plan and adopt measures that will effectively minimize CCR from becoming airborne at the facility, including CCR fugitive dust originating from CCR units, roads, and other CCR management and material handling activities (40 CFR §257.80(a)). The plan must include:

- Identification of the CCR handling areas and control measures taken to minimize CCR fugitive dust at the facility
- Explanation of how dust control measures selected are applicable and appropriate for site conditions
- Emplacement of CCR in the landfill as conditioned CCR
- Procedures to log citizen complaints involving CCR fugitive dust events at the facility
- Description of procedures to periodically assess effectiveness of control plan

Additionally, an annual report must be developed to include any actions taken by the owner or operator to control fugitive dust, a record of all citizen complaints, and a summary of any corrective action measures taken. The initial annual report must be placed in the operating record no later than 14 months after placing the initial fugitive dust control plan into the operating record. All subsequent annual fugitive dust reports are required to be complete 1 year following the date of the previous report.

1.2 Fugitive Dust Control

The ash contractor for OPPD has utilized the following dust control measures to minimize fugitive dust:

- Watering all areas of active equipment and haul roads
- CCR Conditioning
- Contractor & Personnel Communications
- Covering trailers after loading
- Ceasing operations on high wind days

The North Omaha Station ash landfill was closed with a certified clay cap in September 2024 and approved by the Nebraska Department of Water, Energy, and Environment (DWEE) in November 2024. All ash is removed from the site, either as beneficial reuse or disposal in a

certified municipal solid waste landfill. Two new buildings, ash storage building north (ASBN) and ash storage building south (ASBS), were constructed for the temporary storage of ash. These buildings were put into service in September 2024. Wet bottom ash is transferred to ASBS via submerged conveyor for dewatering. After the bottom ash is dewatered, it is transferred with a front-end loader from the ASBS building to a truck and removed from site or temporarily stored in the ASBN prior to being removed from the site. Fly ash and other ash products that need to be removed to conduct maintenance, etc., are collected by a vacuum truck and emptied into ASBN. The ash is periodically transferred from the ASBN building to a truck with a front-end loader and the ash is removed from site. Fly ash is moisture conditioned to prevent fugitive dust. Ash leaving the site for beneficial reuse or disposal are loaded into trucks and covered before leaving the site.

1.3 Citizen Complaints

OPPD's procedures to receive and log citizen complaints involving CCR fugitive dust events at the facility include the following:

- Citizens can complete an on-line form for complaints on CCR fugitive dust. The OPPD website (www.oppd.com) contains a link to the CCR Rule Compliance Data and Information website. A link to the on-line form is made available on the CCR website.
- When citizens submit the form, a designated OPPD person(s) will be notified.
- Appropriate personnel will investigate the complaint.
- Any corrective actions taken will be documented.
- A record of citizen complaints and responses will be maintained in the appropriate files.

OPPD did not receive any complaints related to fugitive dust in 2025.

1.4 Corrective Action Items

There were no corrective action items related to fugitive dust required in 2025.