

Annual CCR Fugitive Dust Control Report

Hayden Station

Prepared By: HDR

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1.0 Introduction

This Annual Coal Combustion Residuals (CCR) Fugitive Dust Control Report (Annual Report) has been prepared pursuant to the air criteria of 40 Code of Federal Regulations (CFR) Part 257.80(c). The Annual Report summarizes activities described in the CCR Fugitive Dust Control Plan (Plan) for Hayden Station and includes the following components:

- Description of actions taken to control CCR fugitive dust;
- A record of all citizen complaints; and
- A summary of any corrective measures taken.

This Annual Report addresses the period from October 15, 2019, to October 14, 2020. The Annual Report is deemed complete when it is placed in the facility's operating record. The initial Annual Report was completed December 14, 2016. Subsequent Annual Reports are due one year after the date of completing the previous annual report, which last year was completed on December 14, 2019. The completion deadline for the current Annual Report is December 14, 2020.

The Annual Report will be placed in the operating record. The Annual Report will also be placed on the CCR Rule Compliance Data and Information public website described in Section 6.2.

2.0 Facility Description and Contact information

2.1 Facility General Information:

Hayden Station has one CCR unit, a landfill for permanent disposal of CCR. CCR sources are the loading and unloading of the silos containing commingled fly ash and Flue Gas Desulfurization (FGD) material, bottom ash from the boilers, transport of CCR from the silos to the landfill or offsite, transport of the bottom ash from the dewatering bins to the landfill, emplacement of the fly and bottom ash in the landfill, and fugitive dust emissions from unpaved roads.

The facility's Fugitive Dust Control Plan includes activities such as conditioning CCRs for handling, controlling vehicle speeds, watering/sweeping of roads and work areas, and following processes and procedures intended to minimize dust. Because the facility is currently required to manage and monitor fugitive dust emissions as required by the Title V permit, the Hayden staff and CCR contractor are actively engaged in proactive dust control on a continuous basis. The Plan is a formal statement of the activities and the methods specifically designed to minimize the creation of airborne dust, meeting all of the applicable requirements of the CCR Rule.

Name of Facility: **Hayden Station, Xcel Energy**

Street: **13125 US Hwy 40**

City: **Hayden**

State: **CO**

ZIP Code: **81639**

County: **Routt**

Latitude: **40.486939** Longitude: **-107.183571**

2.2 Facility's Contact Information:

Citizens can log fugitive dust complaints via the dedicated email account (PSCoCCRIquiries@xcelenergy.com)

3.0 Fugitive Dust Controls

The following fugitive dust control measures were implemented during the period of October 15, 2019 to October 14, 2020.

The facility implemented the dust mitigation procedures defined in the Fugitive Dust Control Plan, dated October 19, 2015. A copy of the Plan can be found in the facility's operating record and on Xcel Energy's CCR Rule Compliance Data and Information public website.

As described in the Plan, the facility ensured that fly ash and bottom ash were handled only in a wetted state to minimize fugitive dust generation. Plant roads were regularly watered according to current road conditions and needs. Weather conditions were visually monitored to enable adjustment of watering practices to minimize dust formation. During the reporting year, traffic on the haul road was significantly reduced as a result of plant operating conditions, and fugitive dust was sufficiently controlled by watering without the need for chemical treatment. Conditioned fly ash was loaded and transported off-site for beneficial use via County Road 27. The conditioning of the ash prior to transport followed the fugitive dust control measures for ash hauling. The following table identifies CCR generation areas, CCR handling operations, and the preferred control measures to reduce dusting. Figure 1 illustrates all of these areas of the facility.

Plant Activity	Fugitive Dust Control Measures	Effectiveness
Plant Roadways	Aggregate material, watering, and 30mph speed limit	Effective
Units 1 and 2 Bottom Ash Dewatering Bins	Slurry sluice with dewatering and large particle size which does not lead to dusting	Effective
Fly Ash/FGD Silos	Partially enclosed storage, ventilation to baghouse, and pug mills condition the fly ash prior to transport	Effective
Ash Hauling	Watering and transport of conditioned material	Effective
Landfill	Emplacing conditioned material, compaction via wheeled roller, watered as need to form a crust, and covered by soil. During high wind events (40 mph continuous wind or 55 mph wind gusts) the contractor will reduce or cease landfill operations.	Effective

Figure 1. Hayden Station Site Map



4.0 Citizen Complaints

Citizens can log fugitive dust complaints via the dedicated email account (PSCoCCRInquiries@xcelenergy.com) or via the Plant Environmental Analyst. Any citizen complaints of fugitive dust appearing to originate from the plant were to be investigated immediately. If any complaints are received, they are recorded in a log, including any follow-up or corrective actions that were taken.

4.1 Complaints

No citizen complaints were received and, therefore, no entries were made in the log.

4.2 Follow-up & Corrective Action and Documentation

No follow-up or corrective actions were necessary.

5.0 Plan Assessment & Effectiveness

The overall implementation and effectiveness of the Fugitive Dust Control Plan at the Hayden Station has been successful. All CCR controls were successfully applied as needed. No alterations were required for the previously identified controls. No new CCR controls were identified. The implemented controls are functioning effectively by controlling fugitive dust emissions.

6.0 Recordkeeping, Notification & Internet Requirements

6.1 Recordkeeping

This Fugitive Dust Control Plan will continue to be assessed annually unless a need is identified earlier during an inspection or upon analysis of a citizen complaint. The plan will be updated if any new dust control measures are implemented at Hayden or a new CCR unit is constructed. Any citizen complaints will be logged, and appropriate corrective actions will be documented and implemented according to the Plan. The Hayden facility map required no updates.

6.2 Internet Site Requirements

The most recent Annual Report will be placed on the facility's CCR website titled "CCR Rule Compliance Data and Information" within 30 days of placing it in the operating record.