

Interstate Power and Light Company

Ottumwa Generating Station (OGS)

Annual Coal Combustion Residuals (CCR) Fugitive Dust Control Report

November 30, 2016

This report applies to the following CCR units at this facility:

CCR Surface Impoundments

OGS Ash Pond

Annual Coal Combustion Residuals (CCR) Fugitive Dust Control Report

November 30, 2016

Background

This report describes the actions taken to minimize fugitive CCR dust from CCR units at this facility, provides a record of citizen complaints received since the previous report, and summarizes any corrective actions taken to minimize CCR fugitive dust. This report has been developed in accordance with 40 CFR 257.80(c).

Description of the Actions Taken to Control CCR Fugitive Dust

In accordance with the CCR Fugitive Dust Control Plan developed for this facility, the following measures were taken when needed to minimize CCR from becoming airborne:

- Establishing and enforcing a vehicle speed limit of 15 mph or less. Reduced speeds minimize fugitive dust generated from vehicle traffic.
- Storing fly ash in silos and/or buildings prior to transport. Enclosing CCR in silos and/or buildings minimizes exposure to conditions that could lead to airborne CCR.
- Wet-slucing CCR to existing CCR surface impoundments. Moistened CCR is less likely to become airborne.
- Covering all open-bodied vehicles that are transporting CCR to minimize the generation of fugitive dust during transport of CCR.
- Minimizing fall distances when handling or transferring CCR. The use of telescoping chutes, best practices when handling CCR with end loaders, and other best management practices can be used to minimize the generation of fugitive dust.
- Promptly collecting CCR that is observed in vehicle loading/unloading areas to minimize the potential for CCR to become airborne.
- Applying water directly to CCR using a water truck or irrigation system. Moistened CCR is less likely to become airborne.

Record of Citizen Complaints

Citizen complaints pertaining to fugitive dust are managed in accordance with Alliant Corporate Policy ENV-107. Specifically, the complaint must be reported to Environmental Services (1) via phone call and (2) in writing by submitting a completed Environmental Incident Report to Environmental Services within 10 business days. Citizen complaints are tracked within the Alliant Environmental Management Information System (“ENVIANCE”).

One CCR fugitive dust event occurred at this facility during this reporting period. On March 24, 2016, the pin mixer failed to adequately add moisture to the flue gas desulfurization (FGD) byproduct during transfer of the byproduct into a truck staged under the storage silo. This resulted in approximately 10 pounds of fugitive dust leaving the silo and dusting nearby employee vehicles that were parked on OGS property, leading to an employee complaint.

Summary of Corrective Measures Taken

Loading operations were suspended and the event was logged into ENVIANCE. Employees with affected vehicles were offered professional cleaning services at the company's expense. The pin mixer issue was corrected and adequate moisture is now added to the FGD byproduct during loading.

Periodic Review of CCR Fugitive Dust Control Plan

The CCR Fugitive Dust Control Plan is reviewed annually, and updated as necessary, in conjunction with preparation of the Annual CCR Fugitive Dust Control Report [40 CFR 257.80(c)]. During the periodic review, staff evaluate each measure for controlling fugitive dust to ensure that it is still appropriate for minimizing CCR from becoming airborne at the facility, verify that the procedures for conditioning CCR prior to landfilling and the procedure for logging complaints are sufficient, and evaluate other operations changes at the facility to determine whether additional dust control measures should be added.

- END -