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# Annual CCR Fugitive Dust Control Report

Dolet Hills Power Station

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## **1. Introduction**

Per 257.80, the owner or operator of Coal Combustion Residual (CCR) units must take action to control fugitive dust from all sites handling and disposing of CCR. The owner or operator must prepare an annual CCR fugitive dust control report that includes a description of the actions taken by the owner or operator to control CCR fugitive dust, a record of all citizen complaints, and a summary of any corrective measures taken.

This document will serve as the Annual CCR Fugitive Dust Report for Cleco's Dolet Hills Power Station located in De Soto Parish, Louisiana. This report will not provide in depth descriptions of all the sources of fugitive dust from Dolet Hills Power Station. This information can be found in the CCR Fugitive Dust Plan.

## **2. Actions Taken to Control Fugitive Dust**

### **2.1 Fly Ash Handling**

Fly ash was pneumatically transported from the fabric filter's (baghouse) fly ash collection system and stored temporarily in a fly ash silo. A portion of the fly ash is loaded dry into enclosed trucks or enclosed rail cars and transported offsite for beneficial use. Fly ash that is not utilized for beneficial use is mixed in pug mill mixers with scrubber sludge in the sludge treatment building, and then conveyed to a nearby containerized stackout area. The CCR mixture is then hauled to the onsite landfill for disposal. Dust control measures are described in Table 2-1.

**Table 2-1: Fly Ash Handling Control Measures**

<b>Control/Activity</b>	<b>Description/Action Taken</b>
General Silo Controls	The storage silo is equipped with negative pressure vent fans. The negative pressure vent fans were operational.
Dry Loading	<p>The dry unloading process includes a telescopic chute that lowers into transport trucks. The loading chute has a negative pressure unloader fan to minimize the potential for fugitive dust emissions during unloading. Trucks are enclosed. The unloader fan was utilized during unloading and only enclosed trucks were used.</p> <p>The dry unloading process also includes an air slide that conveys ash for loading into enclosed rail cars. A negative pressure vent fan is used to minimize the potential for fugitive dust emissions during conveying and rail car loading. The air slide and vent fan were operational during unloading and enclosed rail cars were used.</p>
Conveyor to Stackout	The CCR mixture, which has been conditioned with water, was transported to the stackout area via covered conveyor, which minimized potential for fugitive dust emissions. Water was sprayed in the pug mill mixer and at the radial stackout discharge point for dust control.
Landfill Disposal	The conditioned CCR mixture was hauled to the landfill for disposal. The product was already conditioned since it was mixed with wet sludge; however, if the product had dried, it was further wetted with water trucks during placement.

## 2.2 Scrubber Sludge Handling

Sludge from the wet FGD system is removed from the thickeners and substantially dewatered in the sludge treatment building. It is then mixed in pug mill mixers with fly ash to form a CCR product that is conveyed outside of the building to a containerized stackout area. Dust control measures are described in Table 2-2.

<b>Control/Activity</b>	<b>Description/Action Taken</b>
Conveyor to Stackout	The conditioned CCR mixture was transported to the stackout area via covered conveyor, which minimized potential for fugitive dust emissions. Water was sprayed in the pug mill mixer and at the radial stackout discharge point for dust control.
Landfill Disposal	The conditioned CCR mixture was hauled to the landfill for disposal. The product was already conditioned since it was mixed with wet sludge; however, if the product had dried, the product was further wetted with water trucks during placement.

## 2.3 Haul Roads

Haul trucks utilize the haul roads within the plant to transport CCR materials to the landfill. Dust control measures are described in Table 2-3.

**Table 2-3: Haul Road Dust Control Measures**

<b>Control/Activity</b>	<b>Description/Action Taken</b>
Haul Roads	Haul roads to the landfill and impoundments are mostly gravel and were treated with water trucks as needed for fugitive dust control. Haul roads also have low speed limit signs posted to lower potential for fugitive dust emissions.

#### 2.4 CCR Landfill

CCR materials are hauled from the sludge stackout area to the CCR landfill for disposal. Dust control measures are described in Table 2-4.

**Table 2.4: CCR Landfill Control Measures**

<b>Control/Activity</b>	<b>Description/Action Taken</b>
Grading/Construction	The conditioned CCR fly ash/scrubber sludge mixture was hauled to the landfill for disposal. The product was already conditioned since it was mixed with dewatered sludge; however, if the product had dried, it was further wetted with water trucks during placement.

#### 2.5 CCR Impoundments

Bottom ash and economizer ash are handled wet and sluiced to CCR impoundments onsite for disposal. Since the ash is sluiced in a wet condition via pipeline to the site impoundments, it is not likely that CCR fugitive dust will become airborne in the handling of bottom/economizer ash at the site, both at the generation point of the ash and at the slurry discharge points into the CCR impoundments. Dust control measures for the ash impoundments are described in Table 2.5.

**Table 2.5: CCR Impoundment Control Measures**

<b>Control Activity</b>	<b>Description</b>
<b>Wet Sluicing</b>	Material was sluiced in a wet condition and placed in the impoundments. There were no fugitive dust emissions issues near the impoundments.

**3. Citizen Complaints**

There were no citizen complaints received during the reporting period.

**4. Corrective Measures Taken**

All dust control measures were effective. No corrective measures were necessary.