

**Gainesville Regional Utilities
Deerhaven Generating Station**

Coal Combustion Residuals Fugitive Dust Control

Annual Report

(October 2016 - September 2017)

Prepared for:

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November 2017

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1.0 Introduction

Gainesville Regional Utilities (GRU) operates the Deerhaven Generating Station (facility) located in Gainesville, Florida. The facility produces electricity from a variety of sources, including coal. Coal combustion residuals (CCR) generated at the facility are either beneficially used or managed at a CCR surface impoundment system (which includes two ash cells) and/or a CCR landfill. For regulatory purposes, the CCR surface impoundment system and CCR landfill are considered CCR units. The CCR material generated and managed at this facility includes bottom ash, fly ash and flue gas desulfurization byproduct.

This fugitive dust control annual report was created per the requirements of 40 CFR 257.80(c). This report includes a list of fugitive dust emission events and the control measures implemented to mitigate the emissions, a list of any citizen complaints received by the facility, and an evaluation of the effectiveness of the current fugitive dust control measures. This annual report covers the period from 1 October 2016 through 30 September 2017.

2.0 Fugitive Dust Emission Events and Corrective Measures Implemented

The following facility areas are identified in the CCR Fugitive Dust Control Plan as potential sources of CCR fugitive dust emissions: the CCR landfill, the CCR surface impoundment system, and paved and unpaved roads. Except for the surface impoundment system, all these areas are visually monitored on a weekly basis for dust emissions or for conditions that may contribute to an elevated risk of dust emissions (e.g., loose piles of material in the active area). The bottom ash contained in the surface impoundment system ponds was inundated with process water and was not excavated and removed for disposal at the landfill during the reporting period. Therefore, the surface impoundment system was not considered a potential source of fugitive dust during the reporting period. IWCS engineers visited the surface impoundment system several times during the reporting period (i.e., 12/14/2016, 12/15/2016, 02/09/2017, 03/06/2017) and did not observe dust emissions during any of these visits.

The weekly inspection reports from the reporting period were reviewed to compile a list of fugitive dust emission or emission-related events, identify the cause(s) of the dust emissions, and to review the measures implemented to control the dust emissions. Table 2-1 presents a list of all dust emission-related events recorded by GRU personnel during the reporting period with the date, time, inspector, and inspector and supervisor notes for each event.

A total of 4 dust emission-related events were observed in the active area of the CCR landfill. However, actual dust emissions were not documented during any of these events. These events were associated with the presence of unloaded CCRs piles awaiting spreading and compaction - experience from CCR landfill operation suggests an increased likelihood of dust emissions when loose piles of CCR are present. On each of these 4 occasions, the loose material was spread and

compacted within one week of observation; loose material was not noted in the subsequent weekly inspection worksheet.

Table 2-1. Fugitive Dust Emission-Related Events

Date	Time	Inspector	Inspector Notes	Supervisor Notes
5/30/2017	8:00 AM	T Parker	Several byproduct piles need to be spread	Will be addressed today (5-30-17)
6/27/2017	8:30 AM	T Parker	Several piles need to be spread	Due to the rain events happening every afternoon it has become difficult to address the identified concerns. All areas identified will be addressed ASAP
8/22/2017	8:00 AM	T Parker	Several piles need spread will begin today	Piles are being spread today
9/19/2017	8:30 AM	T Parker	Several piles need to be spread	Piles will be spread out

3.0 Citizen CCR Dust Complaint Logging

GRU did not receive any citizen complaints related to dust emissions from the facility during the reporting period.

4.0 Assessment of Dust Control Plan Effectiveness

No additional dust control measures were necessary to prevent/mitigate dust emissions at the CCR units beyond the typical measures described in the CCR Fugitive Dust Control Plan. The absence of any documented dust emissions or citizen complaints suggests that the current measures provide effective control of potential dust emissions at the site.