

# Fugitive Dust Control Plan

For the

Dallman and Lakeside Coal Combustion Residuals Surface  
Impoundments and Landfill

For

City Water, Light and Power (CWLP)

Springfield, Illinois



Prepared by:

Environmental, Health & Safety, CWLP

October 2015

## Introduction

Pursuant to the requirements of 40 CFR Part 257.80 this written operating program describes the measures being implemented to control fugitive dust emissions from the roadways and coal combustion residuals (CCR) piles at the Dallman and Lakeside CCR surface impoundments and CCR landfill.

The facility consists of the following;

- Dallman CCR Surface Impoundment
- Lakeside CCR Surface Impoundment
- CCR Landfill
- Corresponding Roadways

### Qualified Professional Engineer Certification

This plan meets all the requirements of 40 CFR Part 257.80

*William E. Antonacci*  
Signature

062-057915, Illinois  
Professional Engineer Certification

William E. Antonacci

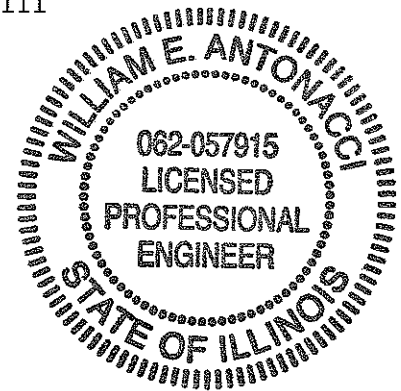
Technical Specialist III

Name

Title

City of Springfield, IL  
City Water, Light & Power  
Company

5/28/15  
Date



The facility will operate in accordance with the written procedures in this program outlined in the following descriptions.

## **Fugitive Dust Management Practices**

Roadways and CCR piles are a potential source of fugitive dust emissions; the following control measures will be implemented at the facility to control CCR fugitive dust.

### *Control Measures*

- a) The paved roadway entrance to the facility shall be watered and/or swept as often as practicable to remove mud, dirt or similar debris.
- b) Fugitive dust emission reduction, roadway conditions, and employee safety concerns will limit vehicle speed to 10 mph on all roadways inside the facility.
- c) CCR storage piles maintain surface moisture sufficient to reduce wind-blown erosion and fugitive dust. Gypsum and ash have a moisture content of 10-20%.
- d) Material handlers operating inside the facility will exercise caution and care in CCR pile manipulation and loading procedures in order to minimize fugitive dust emissions.
- e) During high wind events, material handlers will reduce or halt operations.
- f) All haul trucks carrying wet CCR material from the Dallman generating station into the facility are not required to be covered due to the natural surface moisture content of the material. However, if the CCR material is handled dry in the future, then all haul trucks will be covered to reduce fugitive dust.
- g) In order to reduce roadway fugitive dust from the facility, a six foot concrete barrier wall has been constructed on the southeast side of the facility as a preventative measure.
- h) In addition to the constructed wall mentioned above, the natural growth of vegetation within and surrounding the facility serves as a further control against roadway fugitive dust.

## **Emissions Monitoring**

CWLP shall conduct fugitive dust inspections with personnel who are certified by the Illinois Environmental Protection Agency (IEPA) in the evaluation of visible emissions to ensure the adequacy of existing emission controls at the facility. Opacity measurements shall be taken on the paved entrance road using Method 22 or Method 9 on a monthly basis. Measurements will be repeated within 10 days in the event of major changes involving the facility that would act to increase opacity. Opacity measurements shall be taken on the CCR piles using Method 22 or Method 9 on an as needed basis since material already has a surface moisture content between 10-20%. If current control measures on the roadway or CCR piles are at any time deemed inadequate, they will be reanalyzed for effectiveness

and additional controls will be considered. If additional controls are deemed necessary, this fugitive dust plan will be updated.

### **Recordkeeping, Reporting and Notifications**

- a) The CCR fugitive dust control plan will be submitted in the operating record in accordance with 40 CFR Part 257.105(g)(1) and notifications will be executed in accordance with 40 CFR Part 257.106(g), which states that CWLP will notify IEPA that the CCR fugitive dust control plan is available on CWLP's CCR Rule Compliance Data and Information website
- b) The annual CCR fugitive dust control report will be completed in accordance with 40 CFR Part 257.80(c) and reported in accordance with 40 CFR Part 257.105(g)(2). This report will include the following:
  - a. Description of actions taken to control CCR fugitive dust
  - b. All citizen complaints
  - c. Summary of corrective measures taken
- c) The CCR fugitive dust control plan and annual CCR fugitive dust control report will be available on CWLP's CCR Rule Compliance Data and Information website in accordance with 40 CFR Part 257.107(g)
- d) All records will be retained for at least five years