

2021 Annual Fugitive Dust Control Report
Greenidge Generation LLC
Town of Torrey, Yates County, New York



Greenidge Generation LLC
Dresden, New York

December 2021

Prepared by



REPORT

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Prepared by
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1. Introduction

The final rule on Hazardous and Solid Waste Management System; Disposal of Coal Combustion Residuals (CCR) from Electric Utilities (Rule) published by the United States Environmental Protection Agency (US EPA) under 40 CFR 257 regulates CCR disposal as a solid waste under subtitle D of the Resource Conservation and Recovery Act (RCRA).

Subsection 257.83(a) of the Rule defines inspection requirements for CCR surface impoundments and requires that a fugitive dust control plan 257.80(b) be developed. A Fugitive Dust Control Plan was developed for the Greenidge Generation LLC by Greenidge., dated November 2020. The Plan describes methods to minimize the amount of CCR waste that becomes airborne at the facility, how to log citizen complaints, how to assess the Plan's effectiveness, and annual reporting requirements.

Consistent with 40 CFR 257.80(c), this annual fugitive dust control report includes descriptions of the measures taken to control fugitive dust, records of citizen complaints, a summary of corrective actions taken by Greenidge, an assessment of the effectiveness of the Plan, and certification of the report by a duly licensed professional engineer.

1.1 Site Description

Greenidge operates an electric power plant in the Town of Torrey, Yates County, New York. The Greenidge Power Generating Station sat idle between the spring of 2011 and March 2017. In connection with its operations, Greenidge utilizes a 7.2-acre CCR impoundment (the C-Pond) which historically received CCR, as well as a mixture of plant process waters and stormwater. While in C-Pond, CCR and wastewater underwent sedimentation as well as infiltration before effluent was discharged to Seneca Lake pursuant to a New York State Pollutant Discharge Elimination System ("SPDES") permit (No. NY0001325). C-Pond only receives non-CCR wastewaters under present operations. Greenidge has initiated discussions with the New York State Department of Environmental Conservation to secure the approvals necessary to modify its SPDES permit to revise its permitted outfall from the C-Pond. Following the necessary permitting process, the C-Pond will be closed in general accordance with the requirements in 40 CFR 257.102.

2. Fugitive Dust Control

A complete description of dust control measures that may be used at the Facility is included in the Plan. In general, fugitive dust control methods are to be practiced when the potential for nuisance conditions arise. The potential for nuisance conditions is identified as an area with exposed CCR during periods of dry and windy weather. The measures to be employed include standard procedures such as water truck usage on site roads or areas of exposed CCR, imposing speed limits on vehicles to minimize kick-up of dust, and maintaining vegetative cover to the extent possible in the incised CCR impoundment.

2.1 Citizen Complaints

There were no citizen complaints in 2021.

2.2 Corrective Actions

No corrective actions were necessary in 2021.

2.3 Effectiveness of Fugitive Dust Control Plan

In accordance with the Final Fugitive Dust Plan, weekly qualified person inspections include an assessment of fugitive dust conditions. The weekly inspections will describe any observed fugitive dust and identify its source so corrective actions may be employed. Weekly inspection reports between the period of 1/06/2021 and 12/15/2021 were reviewed for this annual report. No instances of nuisance dust conditions were identified. Therefore, it has been determined that the existing Fugitive Dust Control Plan is adequately controlling dust at the Greenidge Facility.

3. Professional Engineer Certification

I hereby certify that I am familiar with the requirements of 40 CFR 257.80(c) and that this annual fugitive dust control report has been prepared in accordance with good engineering practice, including consideration of applicable state regulations, and the requirements of 40 CFR 257.80(c).

I am a duly licensed professional engineer in the State of New York.

David Lenox, P.E.

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ENSOL, INC.