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<p>USEPA CCR Rule Criteria 40 CFR 257.80</p>	<p>Jeffrey Energy Center (JEC) Air Criteria</p>
<p>§257.80(c) stipulates:</p> <p><i>(c) Annual CCR fugitive dust control report.</i> The owner or operator of a CCR unit 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. The initial annual report must be completed no later than 14 months after placing the initial CCR fugitive dust control plan in the facility’s operating record. The deadline for completing a subsequent report is one year after the date of completing the previous report. For purposes of this paragraph (c), the owner or operator has completed the annual CCR fugitive dust control report when the plan has been placed in the facility’s operating record as required by § 257.105(g)(2).</p>	<p>Section 2.0</p> <p>And</p> <p>Section 3.0</p>

1.0 INTRODUCTION

Westar owns and operates CCR Units at the Jeffrey Energy Center (JEC) in St. Marys, Pottawatomie County, Kansas. JEC is located approximately 4.5 miles north of Belvue, Kansas and approximately 4.5 miles west of Highway 63 and resides in Sections 1, 2, 11, and 12, Township 9 South, Range 11 East and Sections 6 and 7, Township 9 South, Range 12 East. The CCR units operate under Kansas Department of Health and Environment – Bureau of Waste Management (KDHE-BWM) Permit 359.

1.1 JEC Dust Control Report Introduction

CCR regulations set forth within Title 40 Code of Federal Regulations (CFR) Part §257.80(c), provide guidelines for the content compiled into the history of construction report. Specifically, §257.80(c) stipulates the following:

“§257.80(c) Annual CCR fugitive dust control report. The owner or operator of a CCR unit 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. The initial annual report must be completed no later than 14 months after placing the initial CCR fugitive dust control plan in the facility’s operating record. The deadline for completing a subsequent report is one year after the date of completing the previous report. For purposes of this paragraph (c), the owner or operator has completed the annual CCR fugitive dust control report when the plan has been placed in the facility’s operating record as required by § 257.105(g)(2).”

This report provides the information and documentation available to the best of Westar’s ability. This report will be placed within the CCR Operating Record in accordance with 40 CFR Part §257.80(d).

1.2 Site Location

Jeffrey Energy Center (JEC)
25905 Jeffrey Road
St. Marys, KS 66536

1.3 Management Areas

TEMPORARY STORAGE AREAS

Fly ash and economizer ash (a different fraction of the fly ash generated at the plant) are initially collected within enclosed structures at the plant. Fly ash is pneumatically blown into a silo which is then loaded into enclosed trucks for either off-site beneficial use or disposal at the on-site landfill. Economizer ash is initially managed and stored in a similar manner. This material is then disposed of in the on-site Fly Ash Area 1 Landfill.

Flue gas desulphurization (FGD) gypsum is generated at the plant, dewatered, and temporarily stored at an enclosed staging area. The material that is staged is managed and then loaded and hauled either offsite for beneficial use or to the on-site FGD Scrubber Gypsum Landfill.

CCR IMPOUNDMENTS

Westar is currently permitted to manage and dispose of CCR materials in areas west of the plant through solid waste Permit No. 359 issued by the Kansas Department of Health and Environment (KDHE). Within this permit boundary, Westar operates two CCR impoundments at JEC. The Bottom Ash Area 1 receives direct sluice bottom ash and plant process water. The settled solids are excavated, loaded, and hauled off-site for beneficial use. The decant water from this impoundment discharges into the Bottom Ash Pond to the west. The Bottom Ash Pond no longer receives CCR materials and is currently undergoing closure in place activities.

CCR LANDFILLS

There are three active CCR landfills at JEC with the Permit No. 359 boundary. Fly Ash Area 1 is located to the north of the Bottom Ash Pond and receives dry fly ash for disposal. The FGD Scrubber Gypsum Landfill is located south of the Bottom Ash Pond and receives the FGD gypsum that is intended for disposal. The Bottom Ash Landfill is adjacent to the Bottom Ash Settling Impoundment.

HAUL ROADS

Both paved and unpaved roads are used to transport CCRs either off-site or to the on-site landfills.

2.0 Actions Taken to Control Fugitive Dust

Westar continues to follow all practices described in the Jeffrey Energy Center CCR Fugitive Dust Control Plan. On-site observations indicate the implementation of the Plan has been adequate. This plan is available for review on our public website:

<https://www.westarenergy.com/content/about-us/rates-regulations/ccr-rule>

3.0 Citizen Complaints and Corrective Measures

Westar has received no citizen complaints regarding fugitive dust. There has been no corrective measure taken since the completion of the previous CCR Fugitive Dust Control Report.

JEC 2018 Annual CCR Fugitive Dust Control Report



Name of Person Completing Report: Brandon Griffin

Title: Environmental Consultant II

Company: Westar Energy

Signature: 

Date: 12/10/18