

2019 ANNUAL INSPECTION OF CCR SURFACE IMPOUNDMENT BY QUALIFIED PROFESSIONAL ENGINEER
40 CFR 257.83

FACILITY INFORMATION

Facility Name / Address	Sibley Generating Station / 33200 East Johnson Road Sibley, Missouri 64088
Owner	Evergy Missouri West, Inc. (f/k/a KCP&L Greater Missouri Operations Co.)
CCR Unit	Fly Ash Impoundment
Inspection Date	November 6, 2019

ANNUAL CCR UNIT INSPECTION REPORT

Rule	Inspection Results																								
<p>§257.83(b)(2)(i):</p> <p><i>“(2) Inspection report. The qualified professional engineer must prepare a report following each inspection that addresses the following:</i></p> <p><i>(i) Any changes in geometry of the impounding structure since the previous annual inspection;”</i></p>	<p>A visual inspection of the Impoundment and associated hydraulic structures was completed on November 6, 2019 by Mr. Patrick Goeke, a qualified professional engineer (QPE), and/or his designated representative. No changes in the geometry of the impounding structure were noted since the 2018 site inspection.</p>																								
<p>§257.83(b)(2)(ii):</p> <p><i>“(ii) The location and type of existing instrumentation and the maximum recorded readings of each instrument since the previous annual inspection;”</i></p>	<p>No instrumentation is present at the impoundment.</p>																								
<p>§257.83(b)(2)(iii):</p> <p><i>“(iii) The approximate minimum, maximum, and present depth and elevation of the impounded water and CCR since the previous annual inspection;”</i></p>	<p>The maximum and minimum depths of impounded water frequently change depending on plant needs and rainfall events. At the time of inspection, the approximate maximum, minimum and present elevations of the water and CCR in the impoundment were as follows.</p> <table border="1"> <thead> <tr> <th>Water</th> <th>Depth (ft)</th> <th>Elevation (MSL)</th> </tr> </thead> <tbody> <tr> <td>Minimum</td> <td>0</td> <td>717.5</td> </tr> <tr> <td>Maximum</td> <td>9</td> <td>722</td> </tr> <tr> <td>Present</td> <td>4.5</td> <td>718</td> </tr> <tr> <th>CCR</th> <th>Depth (ft)</th> <th>Elevation (MSL)</th> </tr> <tr> <td>Minimum</td> <td>5</td> <td>712</td> </tr> <tr> <td>Maximum</td> <td>26</td> <td>733</td> </tr> <tr> <td>Present</td> <td>0-17</td> <td>712-730</td> </tr> </tbody> </table>	Water	Depth (ft)	Elevation (MSL)	Minimum	0	717.5	Maximum	9	722	Present	4.5	718	CCR	Depth (ft)	Elevation (MSL)	Minimum	5	712	Maximum	26	733	Present	0-17	712-730
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<p>§257.83(b)(2)(iv):</p> <p><i>“(iv) The storage capacity of the impounding structure at the time of the inspection;”</i></p>	<p>Approximately 380,000 cubic yards¹.</p>																								
<p>§257.83(b)(2)(v):</p> <p><i>“(v) The approximate volume of the impounded water and CCR at the time of the inspection;”</i></p>	<p>Approximately 315,333 cubic yards².</p>																								

<p>§257.83(b)(2)(vi):</p> <p>“(vi) Any appearances of an actual or potential structural weakness of the CCR unit, in addition to any existing conditions that are disrupting or have the potential to disrupt the operation and safety of the CCR unit and appurtenant structures;”</p>	<p>At the time of this inspection, there were no signs of distress or malfunction that would indicate actual or potential structural weakness of the impoundment dam. There were no indications that existing conditions at the impoundment have disrupted or have the potential to disrupt safety or operations. The QPE reviewed §257.83(a)(1) 7-day and 30-day reports as part of the annual inspection.</p>
<p>§257.83(b)(2)(vii):</p> <p>“(vii) Any other change(s) which may have affected the stability or operation of the impounding structure since the previous annual inspection.”</p>	<p>There have been no changes to the impoundment since the previous annual inspection.</p>

1. Volume calculation completed in 2019 by SCS Engineers by adjusting the volume of CCR removed from the impoundment to the landfill.

PROFESSIONAL ENGINEER CERTIFICATION

The undersigned registered professional engineer is familiar with the requirements of the CCR Rule and has visited and examined the CCR unit or has supervised examination of the CCR unit by appropriately qualified personnel. I hereby certify based on a review of available information within the Sibley Generating Station’s operating records and observations from my and/or my designated representative’s personal on-site inspection, that this CCR unit does not exhibit any appearances of actual/potential structural weakness that would be disruptive to the safety or normal operations of the CCR unit. The unit is being operated and maintained consistent with recognized and generally accepted good engineering standards and practices. This certification was prepared as required by 40 CFR Part §257.83.

Name of Professional Engineer: _____ Patrick M. Goeke, P.E.

Professional Engineer Seal:

