

**2020 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.
CCR Unit	Fly Ash Impoundment
Inspection Date	November 5, 2020

**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 5, 2020 by Mr. Doug Doerr, a qualified professional engineer (QPE), and/or his designated representative. No changes in the geometry of the impounding structure were noted since the 2019 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 rainfall, evaporation, and unit operations. 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>706</td> </tr> <tr> <td>Maximum</td> <td>9</td> <td>715</td> </tr> <tr> <td>Present</td> <td>0-9</td> <td>715</td> </tr> <tr> <th>CCR</th> <th>Depth (ft)</th> <th>Elevation (MSL)</th> </tr> <tr> <td>Minimum</td> <td>0</td> <td>706</td> </tr> <tr> <td>Maximum</td> <td>14</td> <td>720</td> </tr> <tr> <td>Present</td> <td>0-14</td> <td>706-720</td> </tr> </tbody> </table>	Water	Depth (ft)	Elevation (MSL)	Minimum	0	706	Maximum	9	715	Present	0-9	715	CCR	Depth (ft)	Elevation (MSL)	Minimum	0	706	Maximum	14	720	Present	0-14	706-720
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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 yards.</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 225,000 cubic yards<sup>1</sup>. Significant volumes of CCR material are being removed in preparation for unit closure.</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 actual or potential structural weakness or existing conditions that are disrupting or have the potential to disrupt the operation and/or safety of the impoundment and appurtenant structures. No signs of distress or malfunction were observed.</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 that have affected the stability or operation of the impounding structure since the previous annual inspection.</p>

1. The 2020 volume estimate was completed by SCS Engineers using the impoundment’s reported 2019 volume, reported 2019 depths and elevations, topographic data provided by Tukah Technologies, LLC dated November 16, 2020, and volume removal estimates provided by Kissick Construction.
2. The QPE reviewed §257.83(a)(1) 7-day and 30-day reports as part of the annual inspection.

### 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:                     Douglas L. Doerr, P.E.                    

Professional Engineer Seal:

