

**2021 CCR SURFACE IMPOUNDMENT ANNUAL INSPECTION 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 3, 2021

CCR UNIT ANNUAL 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 3, 2021 by Mr. Doug Doerr, a qualified professional engineer (QPE), and/or his designated representative. The impoundment was undergoing closure by removal at the time of inspection. Water had been pumped out or allowed to evaporate and all observable CCR had been excavated and relocated.</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</td> <td>706</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</td> <td>706</td> </tr> </tbody> </table>	Water	Depth (ft)	Elevation (MSL)	Minimum	0	706	Maximum	9	715	Present	0	706	CCR	Depth (ft)	Elevation (MSL)	Minimum	0	706	Maximum	14	720	Present	0	706
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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>Impoundment capacity no longer exists as ongoing closure activities have rendered the unit inoperable for CCR storage.</p>																								

CCR UNIT ANNUAL INSPECTION REPORT	
Rule	Inspection Results
<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 0 cubic yards.</p> <p>The impoundment was undergoing closure by removal at the time of inspection. Water had been pumped out or allowed to evaporate and all observable CCR had been excavated and relocated.</p>
<p>§257.83(b)(2)(vi):</p> <p><i>“(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;”</i></p>	<p>At the time of inspection, the unit was undergoing closure by removal; however, no signs of structural weakness or conditions that were disrupting or have the potential to disrupt the safety of the remaining unit components were observed.</p>
<p>§257.83(b)(2)(vii):</p> <p><i>“(vii) Any other change(s) which may have affected the stability or operation of the impounding structure since the previous annual inspection.”</i></p>	<p>Ongoing closure by removal activities have removed all observable CCR material, water, and significant portions of the unit structure since the previous annual inspection. A contractor was removing the east embankment during the inspection. The east embankment removal and final grading was reportedly completed in December 2021. Operation of the unit has ceased and stability concerns are not present.</p>

1. The 2021 volume estimate was completed by SCS Engineers using survey data provided by Evergy and in-person observations made by SCS Engineers during the inspection visit.
2. The QPE reviewed 7-day and 30-day reports as part of the annual inspection §257.83(b)(1)(i).

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:

