

Bottom Ash Settling Area Post-Closure Care Plan

Jeffrey Energy Center
25905 Jeffrey Rd.
St. Marys, Kansas

Prepared for:



Evergy Kansas Central, Inc.

SCS ENGINEERS

25222186.05 | July 2, 2026

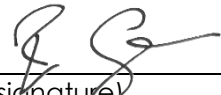
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PROFESSIONAL ENGINEER'S CERTIFICATION

	I, Richard Southorn, hereby certify that this amended Post-Closure Care Plan meets the requirements of 40 CFR 257.104(d), was prepared by me or under my direct supervision, and that I am a duly licensed Professional Engineer under the laws of the State of Kansas.
	 (signature) July 2, 2026 (date)
	Richard Southorn (printed or typed name)
	License number <u>25201</u>
	My license renewal date is <u>April 30, 2027</u>.
Pages or sheets covered by this seal:	
Bottom Ash Landfill Amended Post-Closure Care Plan	

1.0 INTRODUCTION AND PROJECT SUMMARY

On behalf of Evergy Kansas Central, Inc. SCS Engineers (SCS) has prepared this amended Post-Closure Care Plan for the closed Bottom Ash Settling Area coal combustion residual (CCR) surface impoundment at the Jeffrey Energy Center (JEC) in accordance with 40 CFR 257.104(d) as follows.

40 CFR 257.104(d). *“Written post-closure plan – (1) Content of the plan. The owner or operator of a CCR unit must prepare a written post-closure plan that includes, as a minimum, the information specified in paragraphs (d)(1)(i) through (iii) of this section.”*

Pursuant to 40 CFR 257.102(g), Evergy initiated closure of the BASA per the Notification of Intent to Initiate Closure, dated April 10, 2021. Closure of the CCR unit was performed using a closure by consolidation approach. Evergy retained Schmittlein Excavating, Inc. to remove and consolidate CCR material from the BASA. Evergy retained SCS Engineers to certify CCR in the Ash Impoundment had been removed and consolidated in accordance with the written closure plan as required by 40 CFR 257.102(b).

CCR materials were removed from the unit and placed in a permitted landfill. CCR remaining within the unit was consolidated and closed in place. The final cover consists of an 18-inch infiltration layer made of compacted earthen materials constructed and tested to confirm a permeability of less than 1×10^{-5} cm/sec. A vegetated 6-inch erosion control layer was installed above the infiltration layer. Closure construction activities were completed in September of 2025 (within five years of commencing closure construction as required by 40 CFR 257.102(f)(1)(ii)). Closure Certification was provided by Richard Southorn, PE, a qualified professional engineer licensed in Kansas, on April 10, 2026.

2.0 MONITORING AND MAINTENANCE ACTIVITIES

40 CFR 257.104(d)(1)(i). *“A description of the monitoring and maintenance activities required in paragraph (b) of this section for the CCR unit, and the frequency at which these activities will be performed.”*

Monitoring and Maintenance Activities	Frequency
Inspections by Owner/Operator	Quarterly (minimum)
Inspections by Licensed Professional Engineer	As requested by Owner/Operator
Repair to final cover: - Vegetation - For erosion concerns For settlement concerns or other events	As needed, determined by inspection
Inspect Groundwater Monitoring System	Quarterly
Repair Groundwater Monitoring System	As needed, determined by inspection
Environmental Monitoring (groundwater)	Semi-Annually

The owner/operator will perform quarterly inspections of the final cover surface and groundwater monitoring systems. If issues are noticed during the inspection, action will be taken to remedy the situation. Eroded areas will be repaired and reseeded. Repairs or replacement will be performed on groundwater monitoring system components as needed.

2.1 FINAL COVER MAINTENANCE

Existing vegetation will be maintained to provide coverage across the entire final cover area and re-seeding will be completed if noted to be required during quarterly inspections. If eroded areas are noted during quarterly inspections, Evergy will repair and reseed the area.

2.2 GROUNDWATER MONITORING AND SYSTEM MAINTENANCE

Groundwater monitoring wells MW-BAA-2, MW-BAA-3, MW-BAA-6, and MW-BAA-7 have been installed in accordance with 40 CFR 257.90-98. The wells must continue to be maintained and sampled in accordance with 40 CFR 257.90-98.

3.0 POST-CLOSURE PERIOD CONTACTS

40 CFR 257.104(d)(1)(ii). *“The name, address, telephone number, and email address of the person or office to contact about the facility during the post-closure period.”*

The contact information during the post-closure period is as follows:

Evergy
Environmental Services Department
818 South Kansas Avenue
Topeka, KS 66601
EvergyCCR@evergy.com
(800) 383-1183

4.0 POST-CLOSURE PERIOD SITE USE

40 CFR 257.104(d)(1)(iii). *“A description of the planned uses of the property during the post-closure period. Post-closure use of the property shall not disturb the integrity of the final cover, liner(s), or any other component of the containment system or the function of the monitoring systems unless necessary to comply with the requirements of the subpart...”*

The final use of the BASA is privately owned green space. With this use, there will be no disturbance of the final cover or any other related components.

5.0 CERTIFICATIONS

40 CFR 257.104(d)(4). *“The owner or operator of the CCR unit must obtain a written certification from a qualified professional engineer that the initial and any amendment of the written post-closure plan meets the requirements of this section.”*

Richard Southorn, PE, a licensed professional engineer in the State of Kansas, has overseen the preparation of this Post-Closure Care Plan amendment. A certification statement is provided on **page iii** of this plan.

6.0 RECORDKEEPING AND REPORTING

40 CFR 257.104(b)(2)(iii). *“The owner or operator has completed the written post-closure plan when the plan including the certification required by paragraph (d)(4) of this section, has been placed in the facility’s operating record as required by Section 257.105(i)(4).”*

This Post-Closure Care Plan amendment will be placed in the facility's operating record and on Everyg's CCR Rule Compliance Data and Information website, as will all future amendments, if any.

Everyg will amend the Post-Closure Care Plan if there is a change in operation of the CCR unit that affects the written Post-Closure Care Plan or, if after post-closure activities have started, unexpected events cause a revision of the plan.

Everyg will provide notification of completion of the post-closure care no later than 60 days following the completion of the 30-year post-closure care period. The notification will include certification by a qualified professional engineer verifying that post-closure care has been completed in accordance with the plan. The notification will be placed in the facility's operating record and on the website.

7.0 REFERENCES

CB&I Environmental and Infrastructure, Inc., "Post-Closure Plan, Jeffrey Energy Center Bottom Ash Area Landfill and Impoundment", Prepared for Westar Energy, Dated October 2016.