

CLOSURE PLAN FOR EXISTING CCR SURFACE IMPOUNDMENT
40 CFR 257.102(b)
REV 1 - 01/05/2023

SITE INFORMATION

Site Name / Address	Zimmer Power Station / 1781 US Rt. 52, Moscow, OH 45153		
Owner Name / Address	Zimmer Power Company LLC / 1781 US Rt. 52, Moscow, OH 45153		
CCR Unit	Gypsum Recycle Pond	Closure Method	Closure by Removal of CCR

CLOSURE PLAN DESCRIPTION

(b)(1)(i) - Narrative description of how the CCR unit will be closed in accordance with this section.	The Gypsum Recycle Pond is lined with, from bottom to top, 3-feet of compacted clay and 8-inches of reinforced concrete. The liquid from the CCR material is drained into the concrete sump and pumped out. The existing CCR will be removed and the existing concrete liner may be removed and disposed. In accordance with 257.102(b)(3), this written closure plan will be amended to provide additional details after the final design is completed, if the final design would substantially affect this written closure plan. This closure plan reflects the information available to date.
(b)(1)(ii) – If closure of the CCR unit will be accomplished through removal of CCR from the CCR unit, a description of the procedures to remove the CCR and decontaminate the CCR in accordance with 257.102(c).	The existing CCR will be consolidated and removed from the Gypsum Recycle Pond. The existing concrete liner may be removed and disposed. CCR constituent concentrations throughout the CCR unit and any areas affected by releases will be removed. Groundwater monitoring will be performed in accordance with 40 CFR 257, Subpart D to demonstrate that groundwater monitoring concentrations will not exceed the groundwater protection standard for constituents listed in appendix IV to 40 CFR 257 in accordance with 257.102(c).

INVENTORY AND AREA ESTIMATES

(b)(1)(iv) – Estimate of the maximum inventory of CCR ever on-site over the active life of the CCR unit	13,000 cubic yards
(b)(1)(v) – Estimate of the largest area of the CCR unit ever requiring a final cover	NA

CLOSURE SCHEDULE	
(b)(1)(vi) – Schedule for completing all activities necessary to satisfy the closure criteria in this section, including an estimate of the year in which all closure activities for the CCR unit will be completed. The schedule should provide sufficient information to describe the sequential steps that will be taken to close the CCR unit, including major milestones and the estimated timeframes to complete each step or phase of CCR unit closure.	
The milestone and the associated timeframes are initial estimates. Some of the activities associated with the milestones will overlap. Amendments to the milestones and timeframes will be made as more information becomes available.	
Written Closure Plan, Initial; Addendum No. 1; Rev 1	October 17, 2016; August 13, 2021; January 5, 2023
Agency coordination and permit acquisition <ul style="list-style-type: none"> Coordinating with state agencies for compliance Acquiring state permits 	2021-2023
Mobilization	2022
Dewater and remove CCR <ul style="list-style-type: none"> Complete dewatering, as necessary 	October 2022 (cease receipt of CCR and non CCR no later than October 17, 2022)
Completion of Closure <ul style="list-style-type: none"> Removal of CCR material in pond and up to one foot of clay liner Goundwater monitoring 	October 2023
Estimate of Year in which all closure activities will be completed	2023

AMENDMENT AND CERTIFICATION	
(b)(3)(i) – The owner or operator may amend the initial or any subsequent written closure plan developed pursuant to 257.102(b)(1) at any time.	This closure plan will be amended as required by 257.102(b)(3) and, as allowed by 257.102(b)(3), may be amended at any time, including as more information becomes available.
(b)(3)(ii) – The owner or operator must amend the written closure plan whenever: (A) There is a change in the operation of the CCR unit that would substantially affect the written closure plan in effect; or (B) Before or after closure activities have commenced, unanticipated events necessitate a revision of the written closure plan.	
(b)(3)(iii) – The owner or operator must amend the closure plan at least 60 days prior to a planned change in the operation of the facility or CCR unit, or no later than 60 days after an unanticipated event requires the need to revise an existing written closure plan. If a written closure plan is revised after closure activities have commenced for a CCR unit, the owner or operator must amend the current closure plan no later than 30 days following the triggering event.	
(b)(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 closure plan meets the requirements of this 40 CFR 257.102.	Certification by a qualified professional engineer will be appended to this plan.

Certification Statement 40 CFR § 257.102 (b)(4) - Written Closure Plan for a CCR Surface Impoundment

CCR Unit: Zimmer Power Company LLC; Zimmer Power Station; Coal Pile Runoff Pond

I, Victor Modeer, being a Registered Professional Engineer in good standing in the State of Ohio, do hereby certify, to the best of my knowledge, information, and belief, that the information contained in this certification has been prepared in accordance with the accepted practice of engineering. I certify, for the above referenced CCR Unit, that the information contained in the amended written closure plan, dated January 5, 2023, meets the requirements of 40 CFR § 257.102.

Victor Modeer, PE, D.GE

Printed Name

1/5/2023

Date

