

**CLOSURE PLAN FOR EXISTING CCR SURFACE IMPOUNDMENT PER 40 CFR 257.102 (b)
REV 0 – 04/17/18**

SITE INFORMATION

Site Name / Address	DTE Energy Monroe Power Plant / 3500 East Front St., Monroe, MI 48161		
Owner Name / Address	DTE Electric Company / One Energy Plaza, Detroit, MI 48226		
CCR Unit	Inactive CCR Impoundment	Final Cover Type	N/A
Reason for Initiating Closure	Regulatory Compliance	Closure Method	Closure in Place

CLOSURE PLAN DESCRIPTION

(b)(1)(i) – Narrative description of how the CCR unit will be closed in accordance with this section.	The Bottom Ash Basin will be dewatered through the lowering of the outfall elevation of the weir. Closure operations will involve: (i) Dewatering of and runoff diversion from the basin, (ii) excavation and consolidation of residuals in the northern half of the basin and (iii) regrading to final desired grades using borrow soil for fill, as needed. In accordance with 257.102(b)(3), this initial written closure plan will be amended to provide additional details after the final engineering design for the closure by removal is completed. This initial closure plan reflects the best 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 unit in accordance with paragraph (c) of this section.	Closure of the Bottom Ash Basin will be in-place; however, some southern areas of the basin will have CCR materials removed through dredging and excavation. These materials will be consolidated in the northern half of the basin for closure.

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	Approx.. 3.4M cubic yards
(b)(1)(v) – Estimate of the largest area of the CCR unit ever requiring a final cover	104.48 acres

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 may overlap. Amendments to the milestones and timeframes will be made as more information becomes available.	
Initial Written Closure Plan Placed in Operating Record	April 17, 2018
Notification of Intent to Close Placed in Operating Record	December 17, 2015
Agency coordination and permit acquisition <ul style="list-style-type: none"> Coordinating with state agencies for compliance Acquiring state permits 	2022 (estimated) 2023 (estimated)
Mobilization	2024 (estimated)
Dewater Impoundment	2024-2026 (estimated)
Placement of Fill and Construction of Final Cover	2026-2027 (estimated)
Estimate of Year in which all closure activities will be completed	2027

Certification by qualified professional engineer appended to this plan.

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

CCR Unit: DTE Energy Monroe Power Plant Inactive Surface Impoundment

I, Scott G. Hutsell, being a Registered Professional Engineer in good standing in the State of Michigan, 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 initial written closure plan dated April 17, 2018 meets the requirements of 40 CFR § 257.102.

Scott G. Hutsell

Printed Name

04/16/18

Date

