

CLOSURE PLAN FOR INACTIVE BOTTOM ASH IMPOUNDMENT PER 40 CFR 257.102 (b) REV 1 – 08/30/19

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 Bottom Ash Impoundment	Final Cover Type	N/A
Reason for Initiating Closure	Regulatory Compliance	Closure Method	Closure by Removal

CLOSURE PLAN DESCRIPTION

(b)(1)(i) – Narrative description of how the CCR unit will be closed in accordance with this section.	The Inactive Bottom Ash Impoundment will be dewatered through the lowering of the outfall elevation of the weir and closed by removal. Closure operations will involve: (i) Dewatering of and runoff diversion from the basin, (ii) excavation and removal of the CCR material from the impoundment, 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 will be accomplished by removal; this initial written closure plan will be amended to provide additional details after the final engineering design is completed.

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.. 1.5M cubic yards
(b)(1)(v) – Estimate of the largest area of the CCR unit ever requiring a final cover	86.4 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, revised August 30, 2019
Notification of Intent to Close Placed in Operating Record	December 17, 2015, revised August 30, 2019
Closure Design Activities	2019-2020 (estimated)
Agency coordination and permit acquisition <ul style="list-style-type: none"> • Coordinating with state agencies for compliance • Acquiring state permits 	2019-2020 (estimated) 2020 (estimated)
Mobilization	2020-2021 (estimated)
Dewater Impoundment	2021 (estimated)
CCR Material Excavation	2021-2024 (estimated)
Placement of Fill	2024-2025 (estimated)
Estimate of Year in which all closure activities will be completed	2025

Certification by qualified professional engineer appended to this plan.

Revision Log

The table below provides a description of revisions to the Closure Plan for Bottom Ash Impoundment.

REVISION #	REVISION DATE	DESCRIPTION OF REVISION
1	08/30/2019	Changed text on page 1

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 Bottom Ash 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 and the revised written closure plan (Rev 1) dated August 30, 2019 meet the requirements of 40 CFR CFR § 257.102.

Scott G. Hutsell

Printed Name

08/30/19

Date

