

Grand Tower Energy Center Closed CCR Impoundment Quarterly Inspection Form

Date: 9/19/2023

Time: 9:00-10:30

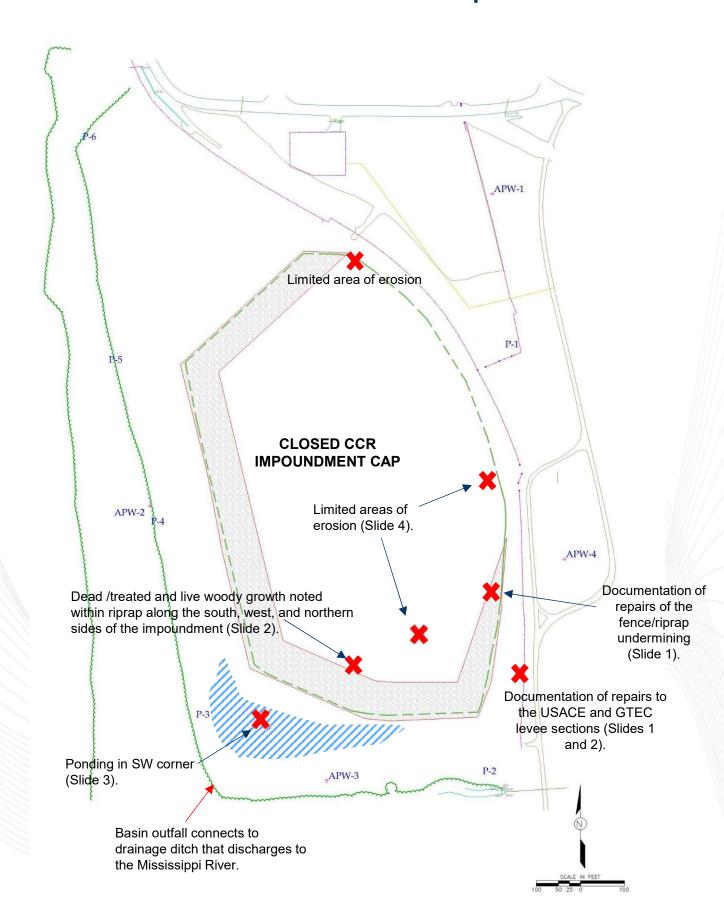
Name: Marshall Arendell

(Inspector)

Weather:	<u> </u>
Temperature:	
70 deg. F	
⊠ Sunny	Observations:
☐ Cloudy	⊠ Erosion / Gullies
☐ Raining	☐ Cracking / Sloughing
□ Other	☑ Ponding / Damp Areas
	☐ No Problems Identified
	── ⊠ Woody Vegetation Growth
Conditions Limiting Visibility:	☐ Other
☐ Snow Cover	
☐ None	
☐ Other	
	
and successful re-vegetation of leve	Corps of Engineers (USACE) and GTEC levees continue to hold, ee face continues to progress. and southern CCR impoundment cap faces up to 9" deep.
Erosion noted across north, west, a	The southern Cort impoundment cap races up to 3 deep.
Ponding continues to be noted in th	ne SW corner of basin around the toe of the slope of the
impoundment cap near the outfall.	
The impoundment cap was mowed	during Q2 2023 and found to be in generally good condition.
The inspector recommends continu	ned treatment of woody growth within the riprap on the impoundment
cap with appropriate management r	methods such as brushhogging, mowing, cutting, herbicide
applications, and the filling of the er	rosional channels noted above.
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Please see observation locations on figure on the following page.

Observation Locations Map



Grand Tower Energy Center Q3 2023 Closed CCR Impoundment Cap Inspection

Repairs to the Fenceline and Levee area on the SE Side of Closed CCR Impoundment Cap





Facing north along the repaired fence-line, riprap, and levee area. Levee has successfully revegetated since repairs were initiated during 2022.

Woody Growth Observations



Facing west towards impoundment cap.

Dead/herbicide treated woody vegetation noted within riprap up to 1" diameter. Limited amount of live woody growth remains.

Facing north towards impoundment cap.





Southern portion of the impoundment cap in foreground facing the southern berm and pond.

Ponding in the SW Corner of Site Basin Near the Outfall



Ponded area in southwest corner of basin near the outfall, as viewed from mowed impoundment cap.

Note: Mississippi River backwater enters the GTEC CCR Impoundment Basin when the river level gage operated by the U.S. Army Corps of Engineers at Grand Tower, IL reaches a stage of approximately 27 ft.

Erosional Channel Observations





Erosion facing southwest from southern side of impoundment cap.