



Grand Tower Energy Center
Closed CCR Landfill
Quarterly Inspection Form

Date 3/22/22
Time 1100
Name Matt Halley
(Inspector)

Weather:

Temperature:

45 deg. F

Sunny

Cloudy

Raining

Other

Conditions Limiting Visibility:

Snow Cover

Vegetation

None

Other

Light Rainfall/Mist

Observations:

Erosion / Gullies

Cracking / Sloughing

Seeps / Damp Areas

No Problems Identified

Woody Vegetation Growth

Other

Undermining of Landfill Fencing

Observations in Detail Below:

- Onsite for the inspection of US Army Corps of Engineers (COE) Levee and quarterly inspection.

Slumping on the COE levee near the SE side of the site was documented (see figure).

- Erosion and fence undermining noted on east side of CCR impoundment cap (see figure). Ponding noted in

NE area along GTEC levee. Limited area of erosion noted on NE side of CCR impoundment cap. No woody

growth noted at this time. Minor erosion noted across north, west, and southern CCR impoundment cap faces

up to 6" deep. Ponding noted in basin at the SW corner of site. CCR impoundment cap liner remains intact.

- Inspector recommends addressing erosion and fence undermining on east side of the site by adding soil

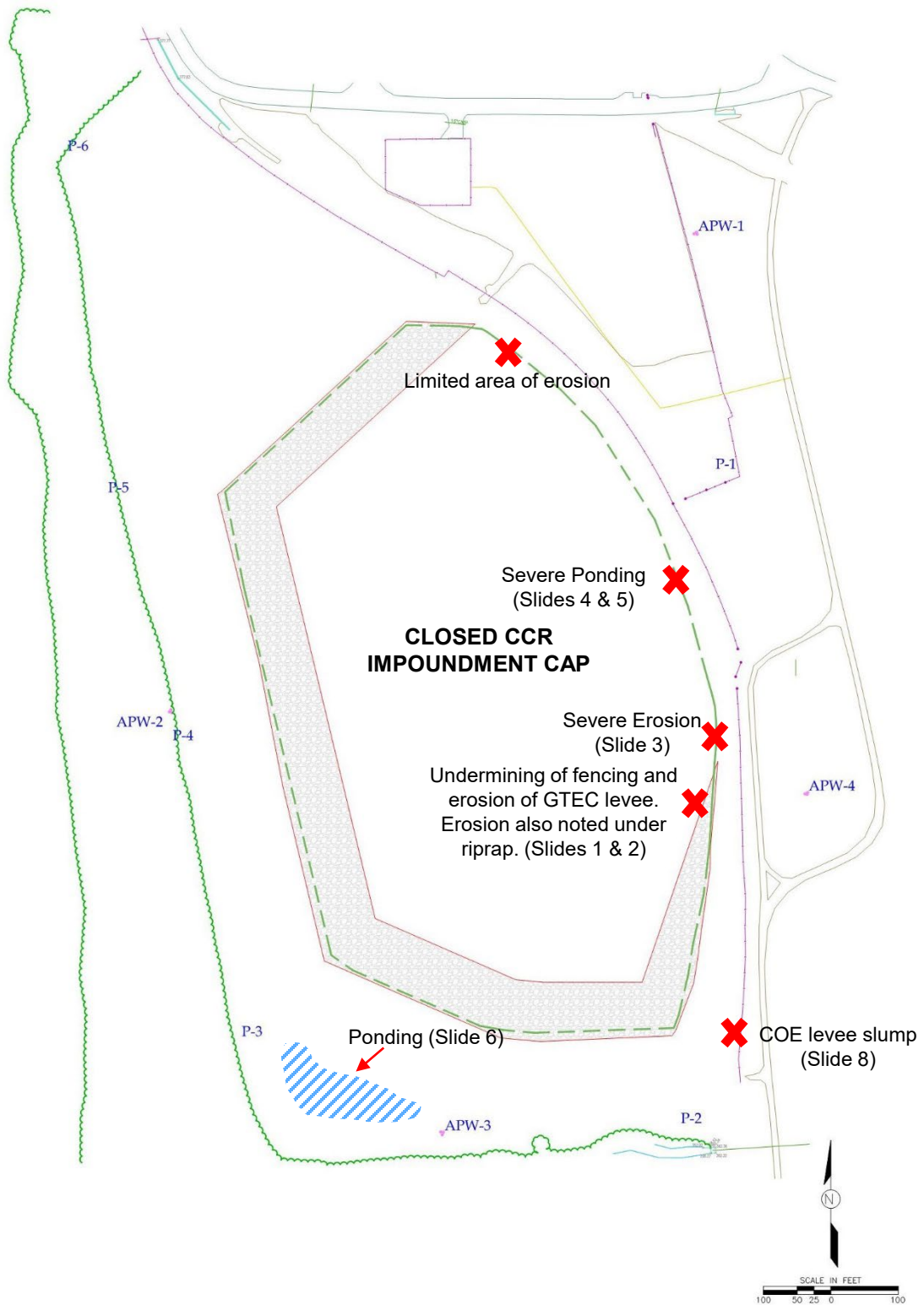
and riprap around undermined fencing and on the eroded face of GTEC levee as determined by qualified

personnel. Inspector also recommends repair of the slumped area of the Army Corps of Engineers levee in

accordance with applicable regulations, and backfill or grading to address ponding on NE side of site.

Please see observation locations on figure on the following page.

Observation Locations Map



Grand Tower Energy Center Q1 2022 Closed CCR Impoundment Cap Inspection

Fence undermining and GTEC levee erosion on SE side of closed CCR impoundment cap.



Fence undermining and GTEC levee erosion on SE side of closed CCR impoundment cap.



GTEC levee erosion and riprap undermining on SE side of closed CCR impoundment cap.



Ponding on NE side of closed CCR impoundment cap along GTEC levee (looking north).



Ponding on NE side of closed CCR impoundment cap along GTEC levee (looking south).



Ponding in SW corner of site at drainage.

Mar 22, 2022 at 10:33:46 AM



Closed CCR impoundment cap condition looking north from top center and the western face of cap.

Mar 22, 2022 at 10:32:07 AM



Mar 22, 2022 at 10:29:58 AM



Army Corps of Engineers Levee Slump

Facing east toward COE levee.



General dimensions of slumped area

