

40 CFR Parts 257

Checklist for Inspection Requirements for CCR Landfills 257.84 (b)

Sioux Power Station – SCL1 (Landfill Cell 4A)

1. Annual Inspection

Requirements	Signs of actual or potential structural weakness	Disruptions or potential disruption to the operation and safety of the unit
CCR Unit and appurtenant structures 257.84(b)(ii)	None Observed	None Observed

The 2020 Annual Inspection included a review of available information regarding the status and condition of the CCR unit, including, but not limited to, files available in the operating record in general accordance with 257.84(b)(i).

Minor maintenance items (e.g. animal burrows, ruts, etc.) associated with routine upkeep observed during the 2020 Annual Inspection, presently do not impact the structural integrity of the embankment. Ameren plans to address these items in a timely manner through Ameren's work control process.

Engineer's Seal



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Date: December 14, 2020

SIOUX ENERGY CENTER

Cell 1 (SCPC), 4A (SCL1) & Recycle Pond

Annual Inspection Check Sheet

Date	10/14/2020
Inspector	J. Bertel, L. Sutton, A. Martinez, M. Lueckenhoff
Recycle Pond Level by Visual Reading	Approx. 430
Recycle Pond Level Reading through DCS	431.27
Cell 1 Level	441.1
Weather	Sunny
Temperature	60's

Date of Previous Annual Inspection: 10/03/2019Date of Previous Periodic Inspection: 10/5/2015

Description of Emergency (EC) or Immediate Maintenance (IM) conditions observed since the last annual inspection:

None

Describe any action taken to restore or improve safety and integrity of impounding structure:

None

Describe any modifications to the geometry of the impounding structure since the previous annual inspection:

None

Describe any modifications to the operation of the impounding structure since the previous annual inspection:

Ameren no longer plans to stack dewatered gypsum above the the top of the Cell 1 perimeter embankment. Cell 1 was originally designed for gypsum to be stacked to a height of approximately 100 ft.

List the approximate remaining storage capacity of the impounding structure:

Cell 1 – 212,383 CY

List the approximate maximum, minimum and present depth and elevation of the impounded water in Cell 1 since the previous annual inspection:

	Maximum		Minimum		Present	
	Elevation (ft)	Depth (ft)	Elevation (ft)	Depth (ft)	Elevation (ft)	Depth (ft)
Cell 1	441.1	18.1	441.1	18.1	441.1	18.1

List the approximate maximum, minimum and present depth and elevation of the impounded CCR in Cell 1 and Cell 4A since the previous annual inspection:

	Maximum		Minimum		Present	
	Elevation (ft)	Depth (ft)	Elevation (ft)	Depth (ft)	Elevation (ft)	Depth (ft)
Cell 4A	438	18.0	435	15.0	-	-
Cell 1	443	19.1	423	0	443	19.1

Approximate volume of CCR at the time of the inspection:

Cell 4A – 200,635 CY, Cell 1 – 812,617 CY

Describe any changes to the downstream watershed:

None.
