Federal CCR Annual Inspection Form

Station:	Red Hills Power Generation	CCR Unit:	AMU
Date:	4 November 2019	Inspector(s):	J. Breedlove
Weather Conditions:	Sunny, mild	Ground Conditions:	Clear

Purpose of Inspection: Per the CCR Rule published by the USEPA and entered into the federal register on April 17, 2015, existing and new CCR landfills are required to be inspected annually by a qualified professional engineer to ensure that the design, construction, operation, and maintenance of the CCR facility is in good condition and conforms to standard engineering practices for this type of facility.

Please refer to the attached figure to mark location of any identified conditions.

CCR Unit Feature		Yes	No	N/A	Location ID # or Map Identifier
CCR Placement					
1)	Is waste being handled or placed differently than standard station practices?		\boxtimes		
Bench	Conditions				
2)	Any signs of surface cracking?		\boxtimes		
3)	Any signs of depressions or sunken areas?		\boxtimes		
Slope Conditions (final cover and permanent slopes)					
4)	Any signs of surface cracking?		\boxtimes		
5)	Any signs of surface movement? If yes, please categorize		\boxtimes		
	a) Sloughing (sliding of materials in sheets)		\boxtimes		
	b) Sliding		\boxtimes		
	c) Sinking		\boxtimes		
6)	Any signs of erosion rills greater than 3 inches?		\boxtimes		
7)	Any signs of erosion gullies greater than 6 inches?		\boxtimes		

Federal CCR Annual Inspection Form

Station. Neu Till's Fower Generation CCN Offic. Alvio Date. 4 November 20.	Station:	Red Hills Power Generation	CCR Unit:	AMU	Date:	4 November 201)
--	----------	----------------------------	-----------	-----	-------	----------------	---

CCR Unit Feature	Yes	No	N/A	Location ID # or Map Identifier
8) Any signs of holes or animal burrows?		\boxtimes		
Haul Road Conditions				
9) Any obstructions?		\boxtimes		
10) Any noticeable damage? If yes, please categorize		\boxtimes		
a) Rutting		\boxtimes		
b) Sinking		\boxtimes		
c) Potholes		\boxtimes		
Erosion Controls				
11) Any areas of active construction lacking erosion controls (silt fence)?		\boxtimes		
12) Any signs that existing erosion controls are not properly functioning?		\boxtimes		
13) Any evidence of insufficient vegetative cover?			\boxtimes	
Liner System Conditions (prior to CCR placement or during active liner construction)				
14) Any damage to liner protective cover?			\boxtimes	
15) Any damage to liner system observed?		\boxtimes		Unknown – perimeter ditch erosion
Leachate Collection/Detection System				
16) Any signs of obstruction to leachate collection/detection pipe outlets?		\boxtimes		
17) Any signs of obstruction to leachate flow(s) to storage lagoon(s)?		\boxtimes		
Surface Water Controls (Diversion Channels/Collection Channels/Sedimentation Ponds)				
18) Any signs of uncontrolled run-on to the landfill?		\boxtimes		
19) Any signs of uncontrolled run-off from the landfill?		\boxtimes		
20) Any signs of obstruction in surface water conveyance channels?		\boxtimes		
21) Any cracking or separation in surface water conveyance channels?	\boxtimes			Erosion in perimeter ditch

Federal CCR Annual Inspection Form

Station: Red Hills Power Generation CCR Unit: AMU			Date:	4 November 2019
CCD Units Frankring	V	NI -	N1/A	Landin ID Hanklan Idaakiin
CCR Unit Feature	Yes	No	N/A	Location ID # or Map Identifier
22) Any signs of heaving or sinking of surface water conveyance channels?	\boxtimes			Erosion noted above
23) Any signs of obstruction in culverts, drop boxes, or sumps?		\boxtimes		
24) Any signs of sedimentation pond malfunction (excessive sediment buildup)?		\boxtimes		
25) Any signs of excessive sedimentation pond water loss (leaking)?		\boxtimes		
26) Any signs of obstruction to sedimentation pond outlet structure (in pond)?	\boxtimes			Emergency spillway temp. blocked; discharge by manual pumping only
27) Any signs of obstruction to sedimentation pond effluent discharge?	\boxtimes			See above
Fugitive Dust Controls				
28) Any evidence that fugitive dust controls are not being used?		\boxtimes		
Other				
29) Any nontypical operation occurring at facility? If yes, please describe:		\boxtimes		
Additional Comments: Perimeter contact water conveyance ditch (discharg of the conveyance to the AMU Basin. The slopes of some cases greater than 6". A design effort is under temporary exposed geomembrane cover over the sl understand this mitigation will begin in the year 202	the wast way to m oped po	e mass a nitigate t	lso have he perim	erosion rills greater than 3" and in eter drainage ditch and to install a to minimize future erosion. I
Individual Completing Form: Jeffrey J. Breedlove, P.E. Print			<u> </u>	Signature No. 14033 Z