

Petty, Harold L.

From: Smith, Daniel R on behalf of Smith, Daniel R.
Sent: Thursday, May 06, 2004 7:24 PM
To: Petty, Harold L.; Powell, Ronald D.; Bowers, Larry C
Subject: revised waste disposal table for KIF gypsum and ash

Table revised. Let me know in the morning if you have any comments.



KIF Ph2 facility life
proj.xls...

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KIF DREDGE CELL EXPANSION CAPACITY AND LIFE PROJECTIONS					
Year	Ash Generation (CY)	Dredge Cell/Ph 1		Phase 2/3	
		Ash Disposal Capacity (CY)	Gypsum Generation (CY)	Gypsum/Ash Generation (CY)	Gypsum/Ash Disp Capacity (CY)
		6106794			
2005	475600	5631194			
2006	475600	5155594			
2007	475600	4679994			
2008	475600	4204394			14175623
2009	475600	3728794	327360	327360	13848263
2010	475600	3253194	327360	327360	13520903
2011	475600	2777594	327360	327360	13193543
2012	475600	2301994	327360	327360	12866183
2013	475600	1826394	327360	327360	12538823
2014	475600	1350794	327360	327360	12211463
2015	475600	875194	327360	327360	11884103
2016	475600	399594	327360	327360	11556743
2017	475600	-76006	327360	878966	10677777
2018	475600		327360	802960	9874817
2019	475600		327360	802960	9071857
2020	475600		327360	802960	8268897
2021	475600		327360	802960	7465937
2022	475600		327360	802960	6662977
2023	475600		327360	802960	5860017
2024	475600		327360	802960	5057057
2025	475600		327360	802960	4254097
2026	475600		327360	802960	3451137
2027	475600		327360	802960	2648177
2028	475600		327360	802960	1845217
2029	475600		327360	802960	1042257
	475600		327360	802960	239297
2031	475600		327360		
2032	475600		327360		
2033	475600		327360		
2034	475600		327360		
2035	475600		327360		
2036	475600		327360		
2037	475600		327360		
2038	475600		327360		
2039	475600		327360		
2040	475600		327360		
2041	475600		327360		
2042	475600		327360		
2043	475600		327360		

1. Ash production is 360,000 t/y (398,000 cy/y @ 67 pcf dredged ash density).
2. Bottom ash production is 88,000 t/y (77600 cy/y @ 84 pcf).
3. Gypsum production is 372,000 t/y (327,360 cy/yr @ 84 pcf).
4. Ash disposal capacity includes remaining volume in exist. dredge cell + Phase 1
5. Gypsum only is disposed in Phase 2/3 initially until ash capacity runs out.
6. Beginning in 2017, combined gypsum and ash disposal begins in Phase 2/3.
7. An allowance for a 2 ft thick final cover is factored into disposal capacity.