OPTION 3-4

Case:	Base	
Location:	In Pond	
Governing Assumptions:		
Coal Supply	5 #	
Drainage Layer	Current Parsons design	
Gypsum Marketing	100% marketing after 2011	
Annual Gypsum Production		583,929
Net Gypsum to Pond		211,929
Annual Ash production		475,600
Ash production - 2005 to 2009		1,902,400
Available storage for wet ash and gypsum as of 2010		6,423,680
Years of pond capacity as of 2010		8
Year when dry collection required	2018	
Years of remaining pond capacity		23
Year pond capacity expires	2032	

327000	x	
2.8		5
583928.5714		
1176610		
2101090		
0.55999981		583928.8

	Cash Flows		NPV
2005	4,544,744		
2006	1,129,747		
2007	1,173,807		
2008	8,156,619		
2009	1,569,112		
2010	1,630,308	$	13,485,506
2011	1,693,890		
2012	1,761,645		
2013	1,832,111		
2014	1,905,396		
2015	1,981,611	$	16,510,466
2016	6,233,116		
2017	40,737,400		
2018	2,937,884		
2019	3,055,399		
2020	3,177,615		
2021	3,304,720		
2022	3,436,909		
2023	3,574,385		
2024	3,717,361		
2025	3,866,055		
2026	4,020,697		
2027	4,181,525		
2028	4,348,786		
2029	4,522,738	$	28,962,461

ESTIMATE NUMBER 05093O1R1

KINGSTON FOSSIL PLANT OPTION 1 - WET ASH IN POND GYPSUM ON PENINSULA

(WITHOUT POND BUFFER)

PRESENT WORTH

ITEM No.	DESCRIPTION	UNITS	Total Cost 2005 Dollars	Number of Cycles	2005 Dollars per Cycle	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	Escalated SubTotal	PRESENT WORTH of using Capital Dollars
	Escalation Factor					1.00	1.04	1.08	1.13	1.17	1.21	1.26	1.31	1.36	1.42	1.48	1.54	1.60	1.66	1.73	1.80	1.87	1.94	2.02	2.10	2.18	2.27	2.36	2.46	2.56		
	CAPITAL COSTS																															
1	Install Drains For Swan Pond Road	Lump Sum	$1,967,828	1	$1,967,828	$1,967,828																									$1,967,828	$1,967,828
4	Ash And Gypsum In Pond	Lump Sum	$582,456	1	$582,456	$582,456																									$582,456	$582,456
4A	Phase 2 Base Construction	Lump Sum	$5,598,822	1	$5,598,822				$6,303,940																						$6,303,940	$4,144,943
4B	Phase 3 Base Construction	Lump Sum	$2,155,779	1	$2,155,779												$3,309,137														$3,309,137	$711,277
5	Miscellaneous	Lump Sum	$1,688,838	3	$562,279	$562,279			$633,093								$863,103														$2,058,475	$1,164,066
5A	Dry Fly Ash Conversion	Lump Sum	$24,175,580	1	$24,175,580												$0	$38,594,089													$38,594,089	$7,213,511
zz	Engineering	Lump Sum	$349,210	1	$349,210	$349,210																									$349,210	$349,210
	Total Capital Costs		$ 36,516,313			$ 3,461,573	$ -	$ -	$ 6,937,033	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 4,172,240	$38,594,089	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 53,164,935	$ 16,133,091
	OPERATING COSTS																															
6	Dredge Cell Phase 1	Lump Sum	$12,624,840	12	$1,052,070	$1,052,070	$1,097,309	$1,140,104	$1,184,568	$1,229,582	$1,277,535	$1,327,359	$1,380,454	$1,435,672	$1,493,099	$1,552,823	$1,614,936	$1,679,533														$17,485,043	$8,016,829
10,11,12,13,18&19	Phase 2 Wet Gypsum (Initial Thru Stage 4)	Lump Sum	$5,188,249	20	$259,412					$303,182	$315,006	$327,291	$340,383	$353,998	$368,158	$382,885	$398,200	$414,128	$430,993	$447,921	$465,838	$484,471	$503,850	$524,004	$544,964	$566,763	$589,433	$613,011	$637,531	$663,032	$9,574,745	$1,590,256
14,15,16,17&20	Phase 3 Dry Ash (Initial Thru Stage 4)	Lump Sum	$17,748,174	12	$1,479,015														$2,455,555	$2,553,777	$2,655,928	$2,782,165	$2,872,852	$2,987,558	$3,107,060	$3,231,343	$3,360,597	$3,495,020	$3,634,821	$3,780,214	$36,896,691	$2,923,812
	QA/QC For Construction Of Disposal Facility	Lump Sum	$746,424	24	$31,101	$31,101	$32,438	$33,703	$35,018	$36,349	$37,766	$39,239	$40,809	$42,441	$44,139	$45,904	$47,740	$49,650	$51,636	$53,701	$55,849	$58,083	$60,407	$62,823	$65,336	$67,949	$70,667	$73,494	$76,434	$79,491	$1,292,167	$298,474
	Total Operating Costs		$ 36,307,687			$ 1,083,171	$ 1,129,747	$ 1,173,807	$ 1,219,586	$ 1,569,112	$ 1,630,308	$ 1,693,890	$ 1,761,645	$ 1,832,111	$ 1,905,396	$ 1,981,611	$ 2,060,876	$ 2,143,311	$ 2,937,884	$ 3,055,399	$ 3,177,615	$ 3,304,720	$ 3,436,909	$ 3,574,385	$ 3,717,361	$ 3,866,055	$ 4,020,697	$ 4,181,525	$ 4,348,786	$ 4,522,738	$ 65,328,647	$ 12,829,370
	Total Costs		$ 72,824,000			$ 4,544,744	$ 1,129,747	$ 1,173,807	$ 8,156,619	$ 1,569,112	$ 1,630,308	$ 1,693,890	$ 1,761,645	$ 1,832,111	$ 1,905,396	$ 1,981,611	$ 6,233,116	$40,737,400	$ 2,937,884	$ 3,055,399	$ 3,177,615	$ 3,304,720	$ 3,436,909	$ 3,574,385	$ 3,717,361	$ 3,866,055	$ 4,020,697	$ 4,181,525	$ 4,348,786	$ 4,522,738	$ 118,493,582	$ 28,962,461

Present Worth of this Option $ 28,962,461