

APPENDIX H: CLOSURE COSTING

Aldag and Lylyveld Expansion Project Closure Cost Estimate 2018										
Item	Description	Class	Unit	Area	Rate 2017	2017 Financial Provision		Decommissioning Total	Rehabilitation Total	Comments
						Final Closure Cost	Total			
1	Stormwater Management Infrastructure									
1.1	Aldag Pollution Control Dam (Overflow dam)									
	Remove Plastic Liner.	113	m ²	6500	5.55	36,053.12	R 36,053.12	R 36,053.12		
	Remove Contaminated Sediments	114	m ³	1300	41.60	54,079.68	R 54,079.68	R 54,079.68		Assuming a meter contaminated material @ 20% area
	Flatten the walls	115	m ³	930	13.87	12,895.92	R 12,895.92	R 12,895.92		
	Removing concrete material	107	m ²	154	409.06	62,995.90	R 62,995.90	R 62,995.90		
1.2	Lylyveld Pollution Control Dams									
	Remove Clay Liner.	113	m ²	21000	5.55	116,479.32	R 116,479.32	R 116,479.32		
	Remove Contaminated Sediments	114	m ³	4200	41.60	174,718.97	R 174,718.97	R 174,718.97		Assuming a meter contaminated material @ 20% area
	Flatten the walls	115	m ³	2850	13.87	39,519.77	R 39,519.77	R 39,519.77		
	Removing concrete material	107	m ²	300	409.06	122,719.28	R 122,719.28	R 122,719.28		
1.3	Trenches and berms									
	Remove Clay Liner.	113	m ²	22300	5.55	123,689.94	R 123,689.94	R 123,689.94		
	Removal of concrete surfaces (not reinforced)	107	m ³	257,565	409.06	105,360.64	R 105,360.64	R 105,360.64		
	Remove Contaminated Sediments	114	m ³	1115	41.60	46,383.73	R 46,383.73	R 46,383.73		
	Flatten the berms and backfilling trenches	115	m ³	38284.2	13.87	530,871.12	R 530,871.12	R 530,871.12		
1.4	Rehabilitation									
	Rip Footprint Areas	165	ha	5.50	7,600.00	41,800.00	R 41,800.00		R 41,800.00	
	Placement of 150 mm of topsoil	130	m ³	8250	30.44	251,153.66	R 251,153.66		R 251,153.66	
	Fertilizer and organic matter	163	ha	5.50	7,318.08	40,249.45	R 40,249.45		R 40,249.45	
	Seeding	164	ha	5.50	3,175.77	17,466.71	R 17,466.71		R 17,466.71	
	TOTAL					1,776,437.21	R 1,776,437.21	R 1,425,767.38	R 350,669.83	
A	Contingency (10%)						R177,643.72			
B	TOTAL 2017						R1,954,080.93			