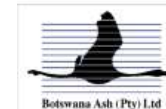
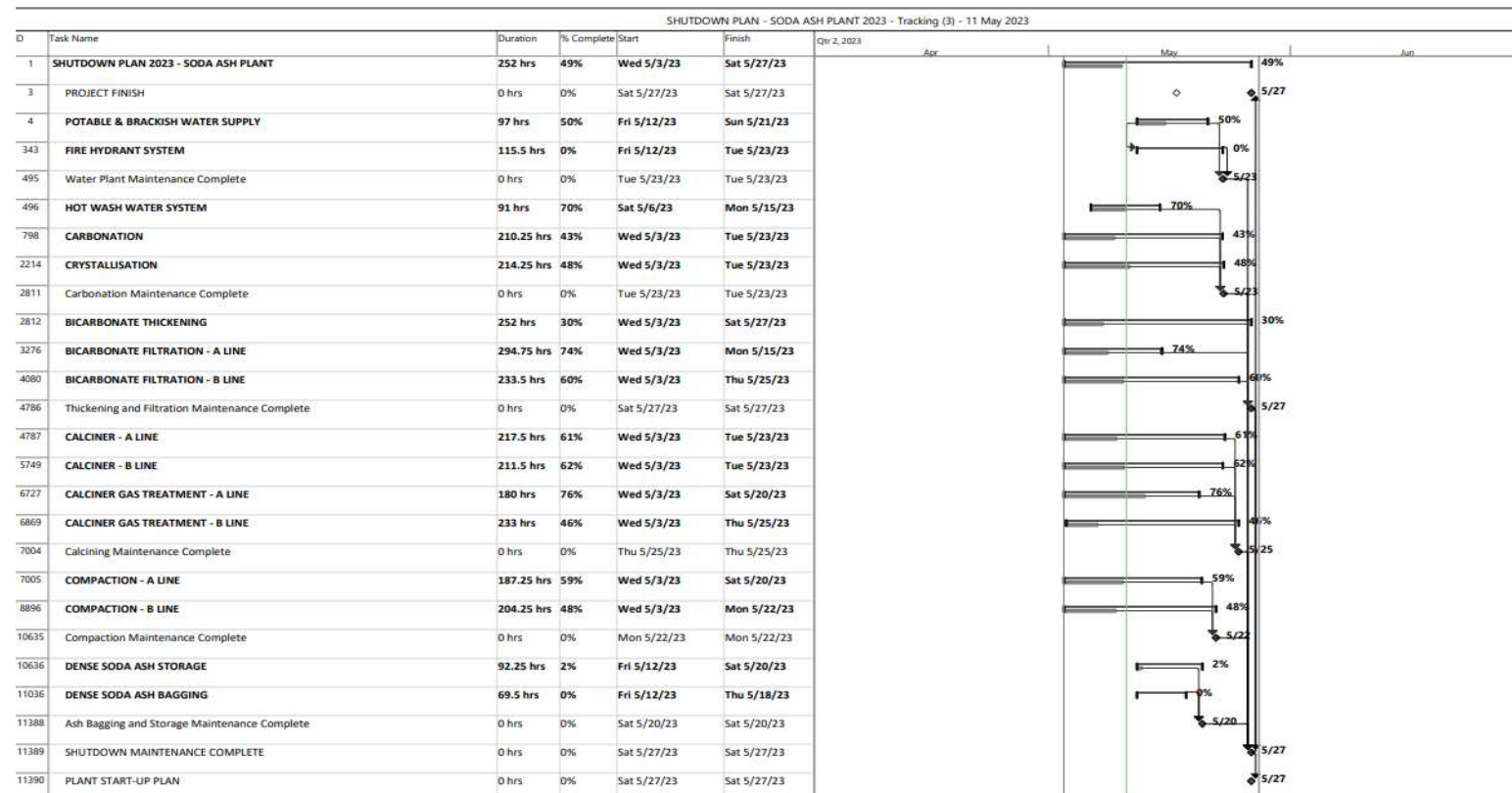


Botswana Ash (Pty) Ltd

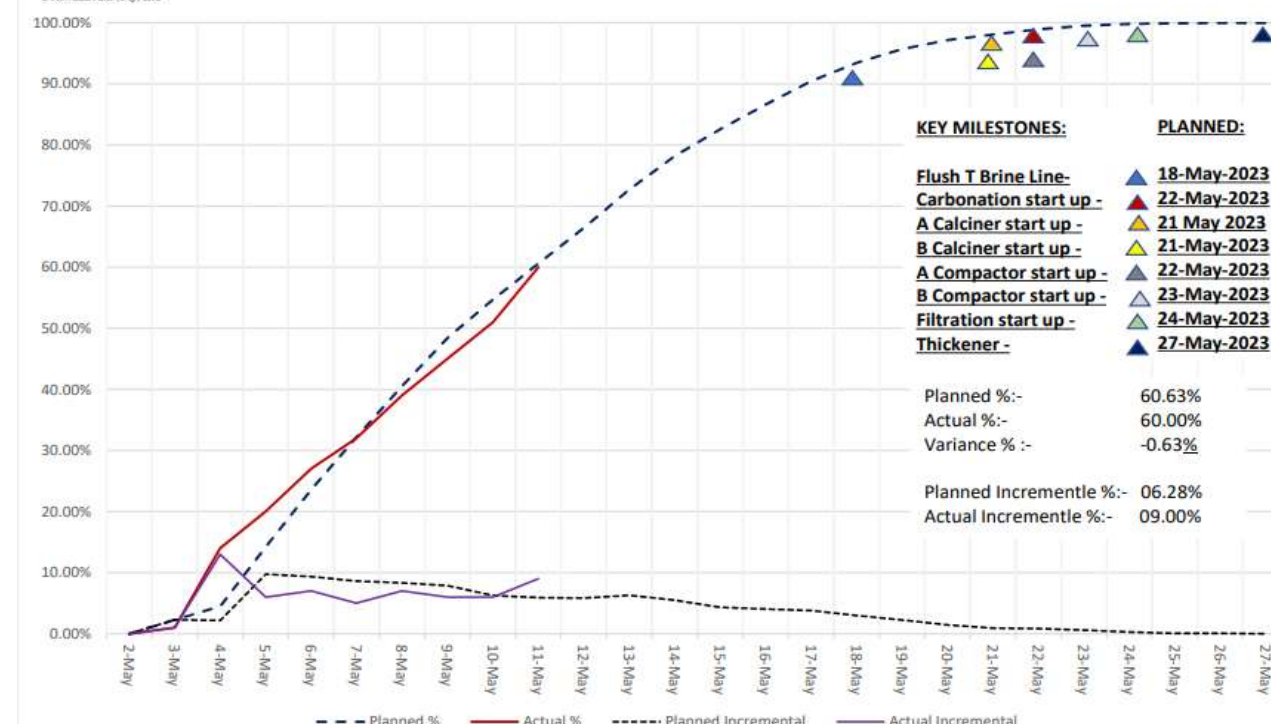
SODA ASH PLANT DASHBOARD

Drafted by: Slingshot Consultancy
STATUS DATE: 11-May-23



BOTSWANA - BOTASH REFURBISHMENT PROJECT 2023 - SODA ASH PLANT

- Update:- 11 May 2023 - Rev 01



SODA ASH PLANT KEY MILESTONES	PLANNED	FORECAST	Variance	DAYS TO COMPLETION	TOP 5 RISKS	
A Calciner	21-May-23	20-May-23	1	13	1) Thickner - Critical Path 2) Compactor 3) Concrete repairs 4) Carbonation 5) Works execution risks after inspections.	
B Calciner	21-May-23	20-May-23	1			
Hot Wash Water system	17-May-23	19-May-23	-2			
Compaction A	21-May-23	23-May-23	-2			
Compaction B	22-May-23	23-May-23	-1			
Thickner scope completion	27-May-23	29-May-23	-2			
Soda Ash Plant operational	25-May-23	27-May-23	-2			
PLANT SUB-AREA:	Planned	Actual	Variance	Planned % Increment	Actual % Increment	Risk
SHUTDOWN 2023 - SODA ASH PLANT	60.63%	60.00%	-0.63%	6.65%	9.00%	
POTABLE & BRACKISH WATER	0.00%	50.00%	50.00%	0.00%	0.00%	
FIRE HYDRANT SYSTEM	0.00%	0.00%	0.00%	0.00%	0.00%	
HOT WASH WATER SYSTEM	88.29%	70.00%	-18.29%	9.20%	4.00%	
CARBONATION	58.91%	42.00%	-16.91%	7.28%	1.00%	
CRYSTALLISATION	50.68%	48.00%	-2.68%	8.92%	13.00%	
BICARBONATE THICKENING	44.97%	30.00%	-14.97%	4.44%	0.00%	
BICARBONATE FILTRATION - A LINE	91.96%	74.00%	-17.96%	5.07%	-11.00%	
BICARBONATE FILTRATION - B LINE	63.45%	60.00%	-3.45%	4.33%	16.00%	
CALCINER - A LINE	74.04%	61.00%	-13.04%	5.08%	-3.00%	
CALCINER - B LINE	65.85%	62.00%	-3.85%	7.40%	-3.00%	
CALCINER GAS TREATMENT - A LINE	69.82%	76.00%	6.18%	6.28%	-1.00%	
CALCINER GAS TREATMENT - B LINE	72.26%	46.00%	-26.26%	8.36%	2.00%	
COMPACTION - A LINE	69.20%	59.00%	-10.20%	6.18%	4.00%	
COMPACTION - B LINE	67.75%	46.00%	-21.75%	7.14%	-9.00%	
DENSE SODA ASH STORAGE	0.00%	2.00%	2.00%	0.00%	2.00%	
DENSE SODA ASH BAGGING	0.00%	0.00%	0.00%	0.00%	0.00%	

LOOK AHEAD SCOPE OF WORKS (L/L)	POSSIBLE RISKS	MITIGATIONS ON RISKS
HWW Circulation lines - replace		
Thickner S.O.W	Revised S.O.W after Inspections	Recovery Schedule
Hot Wash Pumps		
HWW Instrumentation works		
Carbonation Feed heaters - cleaning		
A,B,C & D Sand Filters		
Carbonation Feed tank		
A Bicarboxate Belt Conveyor - Replace	Belt delivery	Low risk
Cloth Wash tank - relocate manhole		
Cloth Wash Pumps - Inspect		
Filtration pumps - overhaul	Workshop machining	Prioritise work load
Seal Water Heat Exchanger - Repair	Repairs in S.A.- turnaround time	ETA tba.
Vacuum Pumps - Inspection		
Electrical maint - Pumps	Motor repairs - outside Vendors	Prioritise work load
Bicarb Filtration air receivers - Clean		
Belt Filters - Struct, change to S/Steel		
B Belt Filters - check bearings / ripple skirting		
Replace slide gates		
Bitterns pumps		
Filter Feed pumps	Workshop machining	Prioritise work load
E & I Works		
Repair Fibre glass pipelines		