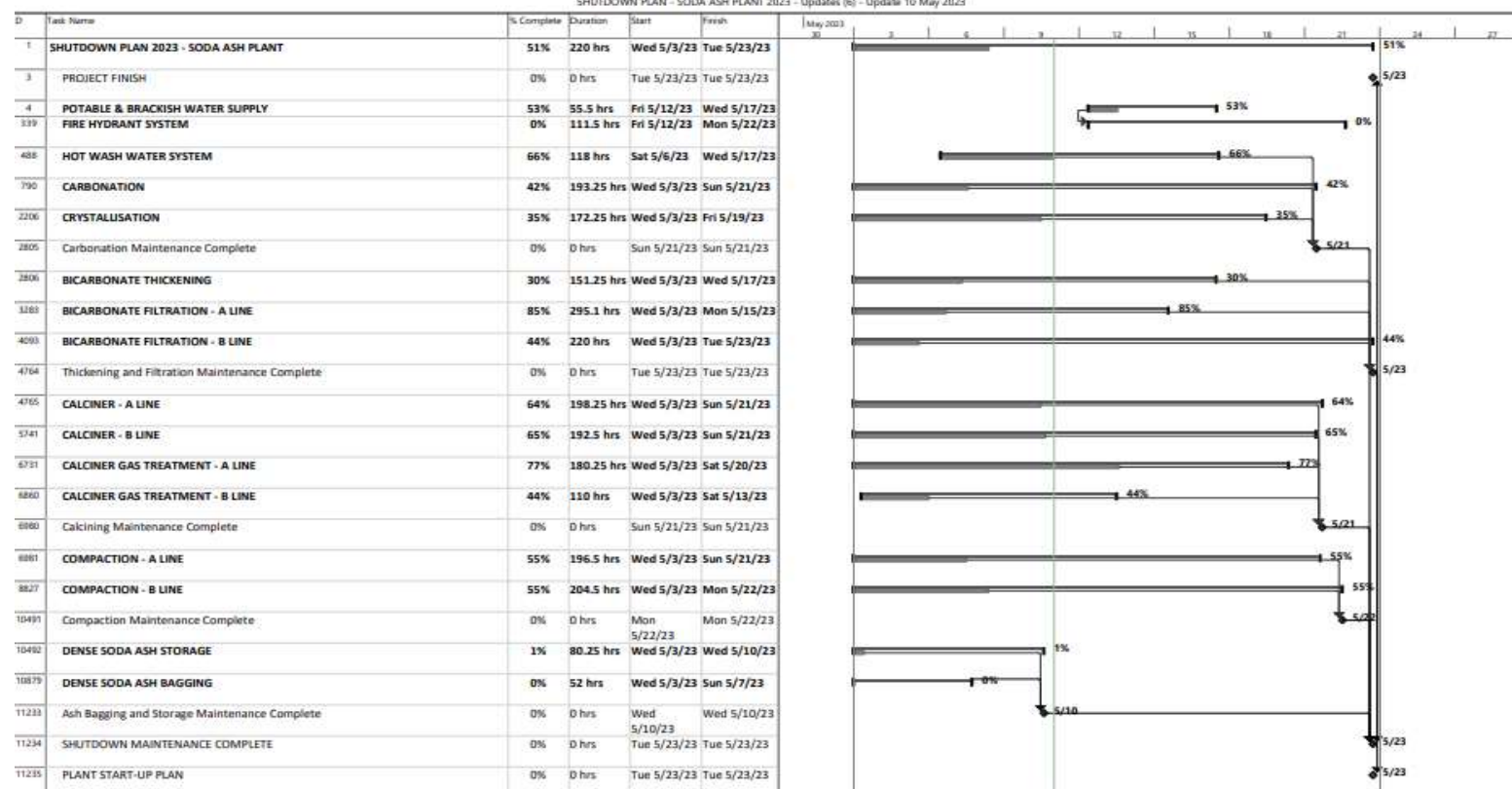


Botswana Ash (Pty) Ltd

SODA ASH PLANT DASHBOARD

SHUTDOWN PLAN - SODA ASH PLANT 2023 - Updates (6) - Update 10 May 2023



SODA ASH PLANT KEY MILESTONES	PLANNED	FORECAST	Variance	DAYS TO COMPLETION	TOP 5 RISKS
A Calciner	21-May-23	20-May-23	1	14	1) Thickner - Critical Path 2) Compactor 3) Scaffold shortage 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		

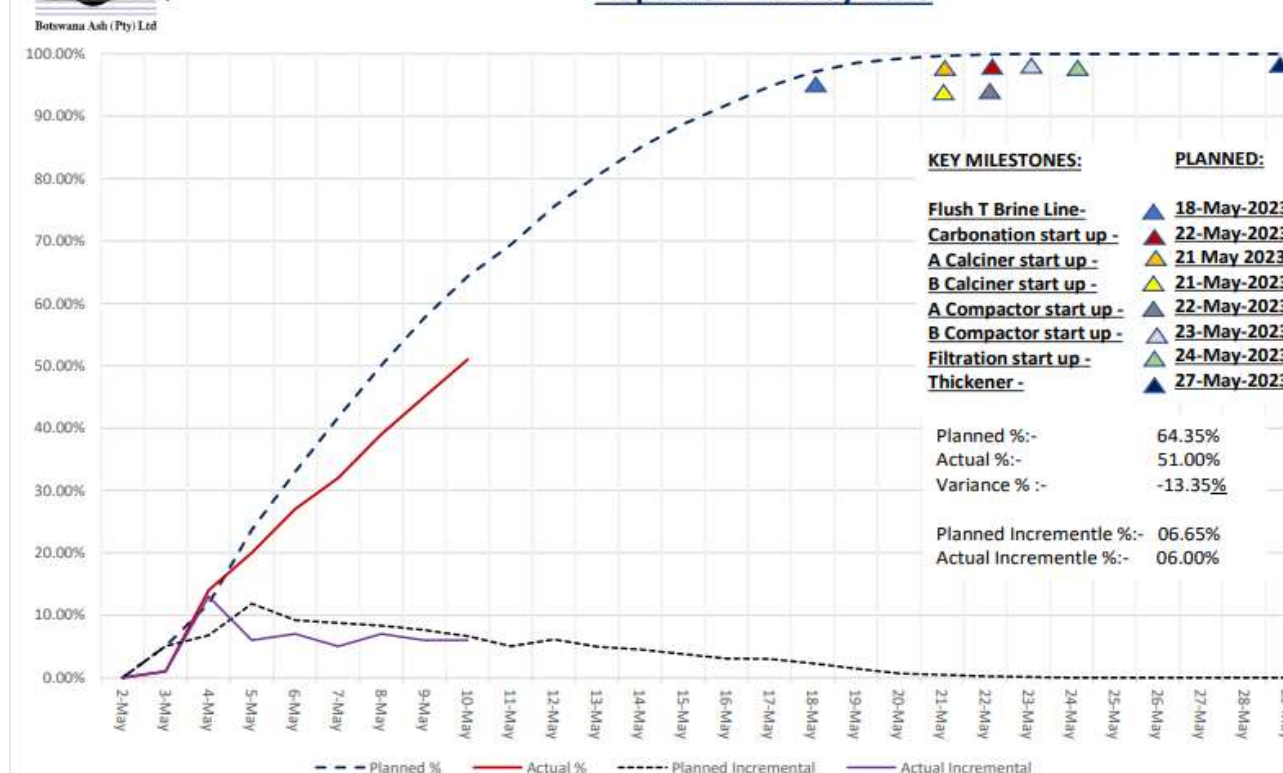
PLANT SUB-AREA:	Planned	Actual	Variance	Planned % Increment	Actual % Increment	Risk
SHUTDOWN 2023 - SODA ASH PLANT	64.34%	51.00%	-13.34%	6.65%	6.00%	
POTABLE & BRACKISH WATER	0.00%	0.00%	0.00%	0.00%	0.00%	
FIRE HYDRANT SYSTEM	0.00%	0.00%	0.00%	0.00%	0.00%	
HOT WASH WATER SYSTEM	79.23%	66.00%	-13.23%	19.68%	5.00%	
CARBONATION	61.82%	42.00%	-19.82%	6.89%	7.00%	
CRYSTALLISATION	51.16%	35.00%	-16.16%	13.19%	3.00%	
BICARBONATE THICKENING	74.25%	30.00%	-44.25%	5.80%	1.00%	
BICARBONATE FILTRATION - A LINE	92.68%	85.00%	-7.68%	4.28%	4.00%	
BICARBONATE FILTRATION - B LINE	65.96%	44.00%	-21.96%	3.89%	10.00%	
CALCINER - A LINE	58.67%	64.00%	5.33%	7.27%	9.00%	
CALCINER - B LINE	58.98%	65.00%	6.02%	8.41%	4.00%	
CALCINER GAS TREATMENT - A LINE	65.47%	77.00%	11.53%	3.92%	0.00%	
CALCINER GAS TREATMENT - B LINE	73.25%	44.00%	-29.25%	7.49%	0.00%	
COMPACTION - A LINE	65.53%	55.00%	-10.53%	4.33%	9.00%	
COMPACTION - B LINE	62.01%	55.00%	-7.01%	7.52%	6.00%	
DENSE SODA ASH STORAGE	0.00%	0.00%	0.00%	0.00%	0.00%	
DENSE SODA ASH BAGGING	0.00%	0.00%	0.00%	0.00%	0.00%	

Drafted by: Slingshot Consultancy
STATUS DATE: 10-May-23



BOTSWANA - BOTASH REFURBISHMENT PROJECT 2023 - SODA ASH PLANT

- Update:- 10 May 2023



LOOK AHEAD SCOPE OF WORKS (L/L)	POSSIBLE RISKS	MITIGATIONS ON RISKS
Hot Wash Water cleaning		
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 Bicarbonate Belt Conveyor - Replace	Belt delivriery	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	ETD 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		