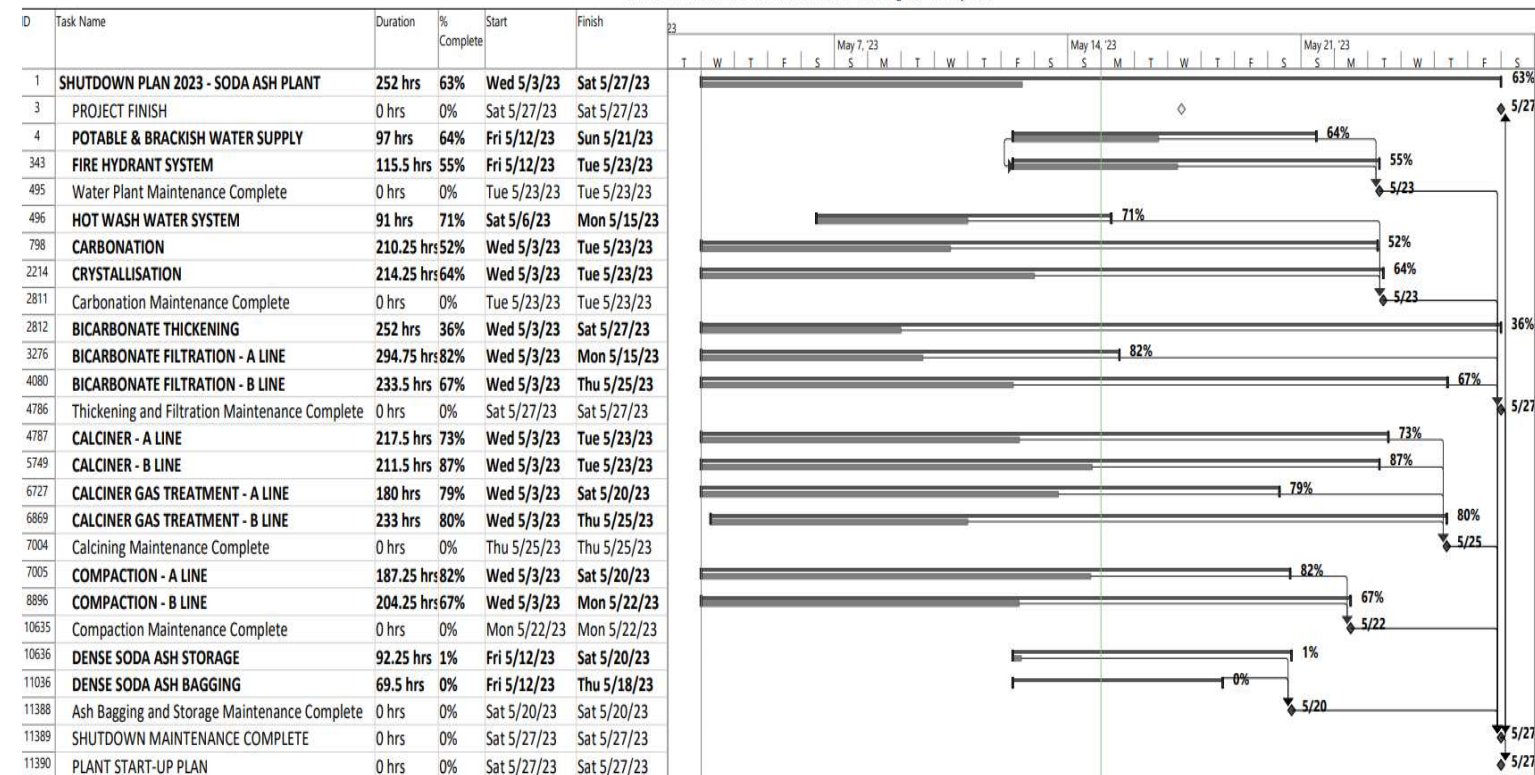




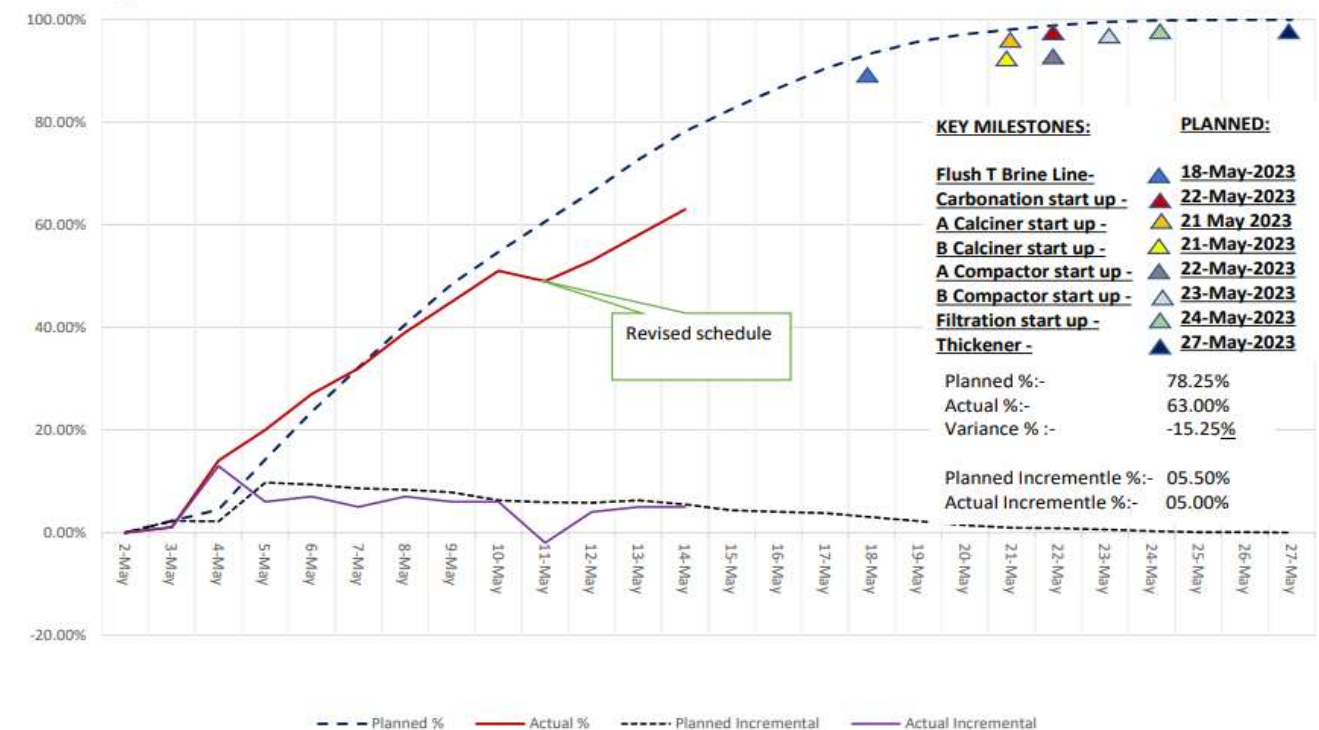
SODA ASH PLANT DASHBOARD

SHUTDOWN PLAN - SODA ASH PLANT 2023 - Tracking (9) - 14 May 2023



BOTSWANA - BOTASH REFURBISHMENT PROJECT 2023 - SODA ASH PLANT

- Update:- 14 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	78.25%	63.00%	-15.25%	5.50%	5.00%	
POTABLE & BRACKISH WATER	49.25%	64.00%	14.75%	19.07%	12.00%	
FIRE HYDRANT SYSTEM	57.21%	55.00%	-2.21%	15.99%	32.00%	
HOT WASH WATER SYSTEM	99.68%	72.00%	-27.68%	2.55%	0.00%	
CARBONATION	78.27%	52.00%	-26.27%	5.64%	1.00%	
CRYSTALLISATION	72.97%	64.00%	-8.97%	6.60%	0.00%	
BICARBONATE THICKENING	60.15%	36.00%	-24.15%	4.56%	3.00%	
BICARBONATE FILTRATION - A LINE	99.05%	82.00%	-17.05%	1.63%	5.00%	
BICARBONATE FILTRATION - B LINE	73.20%	67.00%	-6.20%	2.99%	4.00%	
CALCINER - A LINE	84.24%	73.00%	-11.24%	3.30%	2.00%	
CALCINER - B LINE	83.72%	87.00%	3.28%	5.08%	24.00%	
CALCINER GAS TREATMENT - A LINE	91.55%	79.00%	-12.55%	7.24%	6.00%	
CALCINER GAS TREATMENT - B LINE	87.41%	80.00%	-7.41%	0.00%	21.00%	
COMPACTION - A LINE	84.19%	82.00%	-2.19%	3.96%	7.00%	
COMPACTION - B LINE	82.11%	67.00%	-15.11%	3.61%	7.00%	
DENSE SODA ASH STORAGE	37.34%	1.00%	-36.34%	19.15%	0.00%	
DENSE SODA ASH BAGGING	52.34%	0.00%	-52.34%	24.04%	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	Double shift (C/Path)
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		