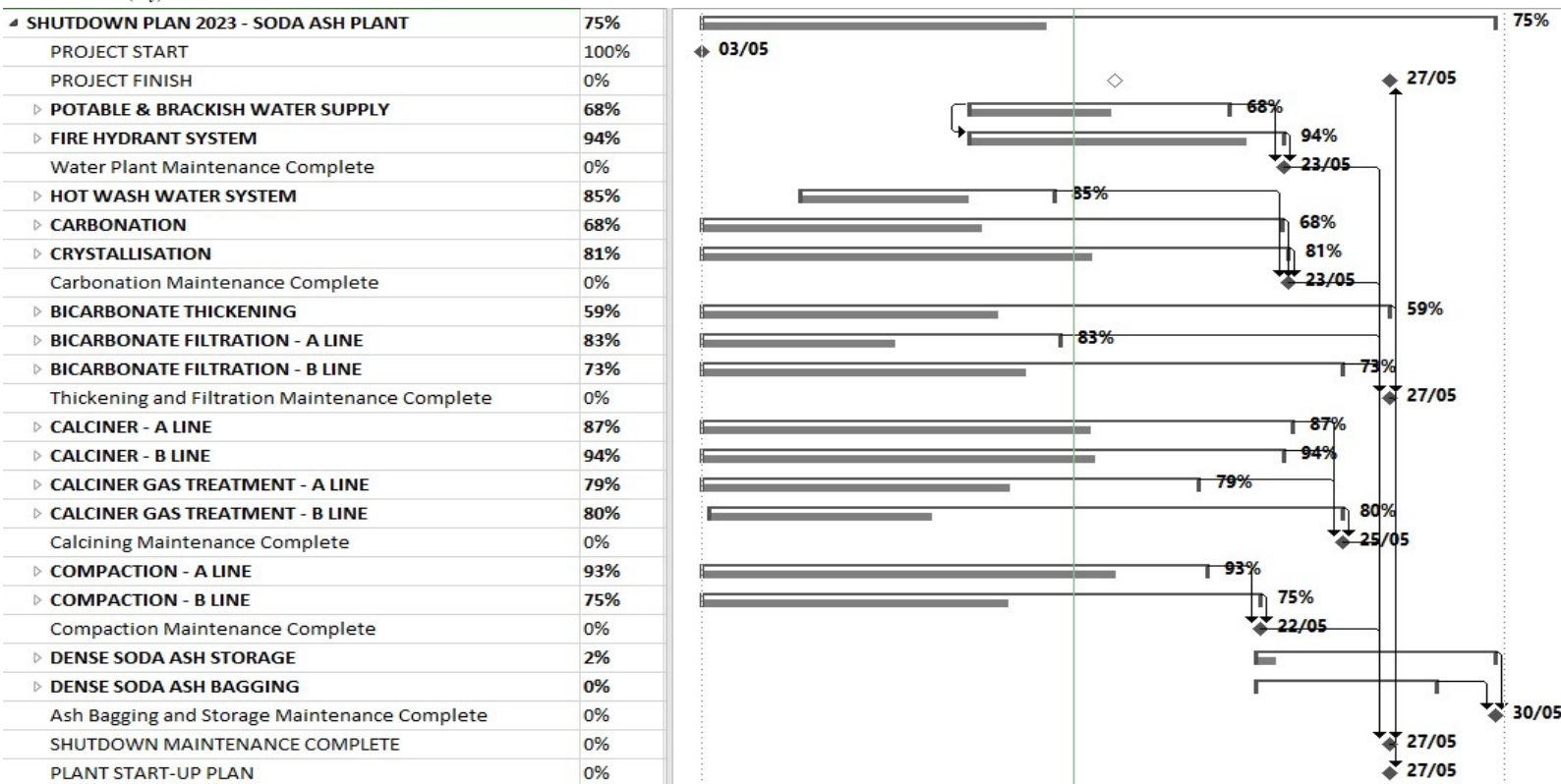
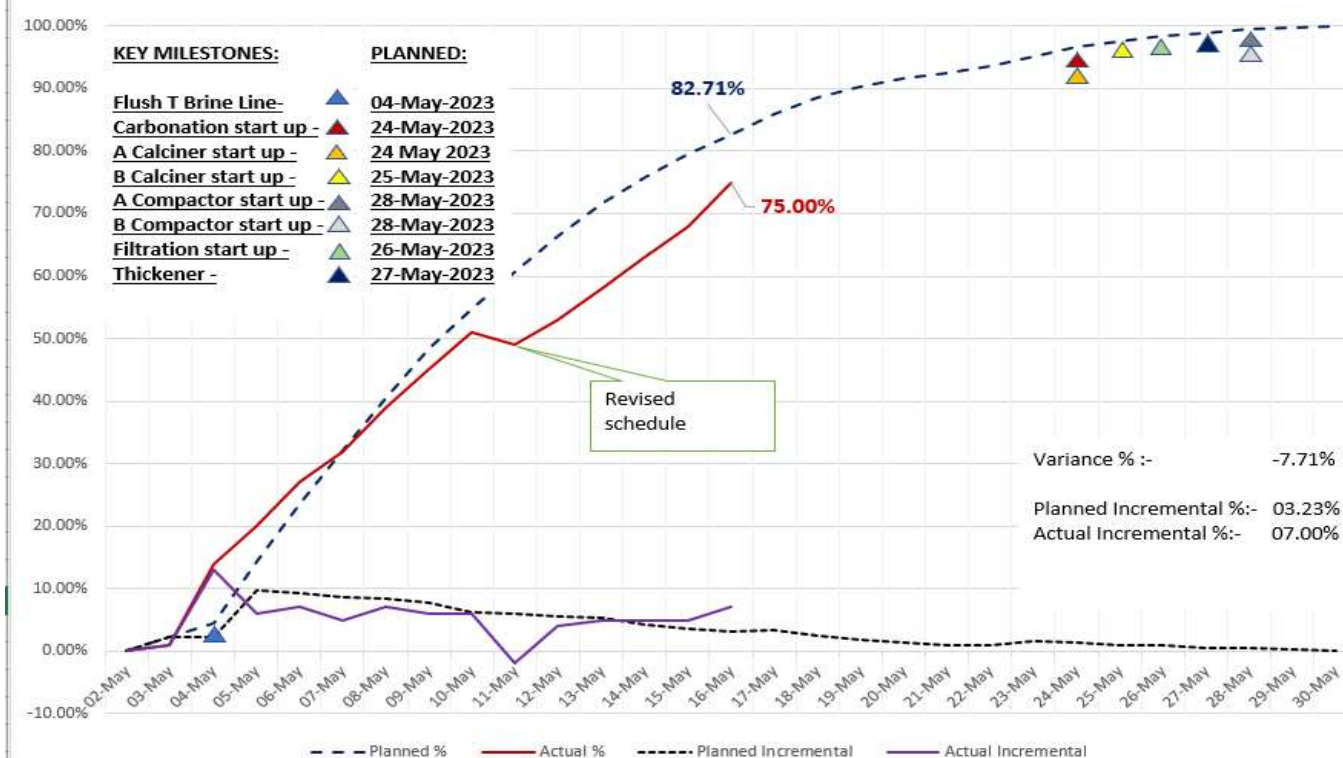




SODA ASH PLANT DASHBOARD



BOTSWANA - BOTASH REFURBISHMENT PROJECT 2023 - SODA ASH PLANT - Update:- 16 May 2023 - Rev 02



SODA ASH PLANT KEY MILESTONES	PLANNED	FORECAST	Variance	DAYS TO COMPLETION	TOP 5 RISKS
HOT WASH WATER SYSTEM	15-May-23	16-May-23	-1.30	11	1) Thickener concrete repairs 2) Sec Carbo Gearbox repairs 3) B Compactor gearbox repair 4) Motors away for repairs 5) Works execution risks after inspections.
CARBONATION	23-May-23	27-May-23	-4.00		
BICARBONATE THICKENING	27-May-23	27-May-23	0.00		
BICARBONATE FILTRATION - A LINE	15-May-23	20-May-23	-4.77		
CALCINER - A LINE	23-May-23	23-May-23	0.00		
COMPACTION - A LINE	20-May-23	20-May-23	0.00		
Soda Ash Plant operational	30-May-23	30-May-23	0.00		

PLANT SUB-AREA:	Planned	Actual	Variance	Planned % Increment	Actual % Increment	Risk
SHUTDOWN 2023 - SODA ASH	82.71%	75.00%	-7.71%	3.23%	7.00%	
POTABLE & BRACKISH WATER SUPPLY	75.98%	68.00%	-7.98%	13.55%	14.00%	
FIRE HYDRANT SYSTEM	80.11%	94.00%	13.89%	11.20%	34.00%	
HOT WASH WATER SYSTEM	100.00%	85.00%	-15.00%	0.00%	11.00%	
CARBONATION	86.55%	68.00%	-18.55%	3.89%	13.00%	
CRYSTALLISATION	79.51%	81.00%	1.49%	3.20%	3.00%	
BICARBONATE THICKENING	65.15%	59.00%	-6.15%	2.06%	15.00%	
BICARBONATE FILTRATION - A LINE	100.00%	83.00%	-17.00%	0.00%	1.00%	
BICARBONATE FILTRATION - B LINE	79.07%	73.00%	-6.07%	2.78%	0.00%	
CALCINER - A LINE	89.77%	87.00%	-2.77%	2.87%	6.00%	
CALCINER - B LINE	91.84%	94.00%	2.16%	3.81%	3.00%	
CALCINER GAS TREATMENT - A LINE	95.41%	79.00%	-16.41%	1.43%	0.00%	
CALCINER GAS TREATMENT - B LINE	87.41%	80.00%	-7.41%	0.00%	0.00%	
COMPACTION - A LINE	92.07%	93.00%	0.93%	3.70%	5.00%	
COMPACTION - B LINE	89.79%	75.00%	-14.79%	3.78%	3.00%	
DENSE SODA ASH STORAGE	0.00%	2.00%	2.00%	0.00%	1.00%	
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	Double shift (C/Path)
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 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		

Drafted by: Slingshot Consultancy
STATUS DATE: 16-May-23