



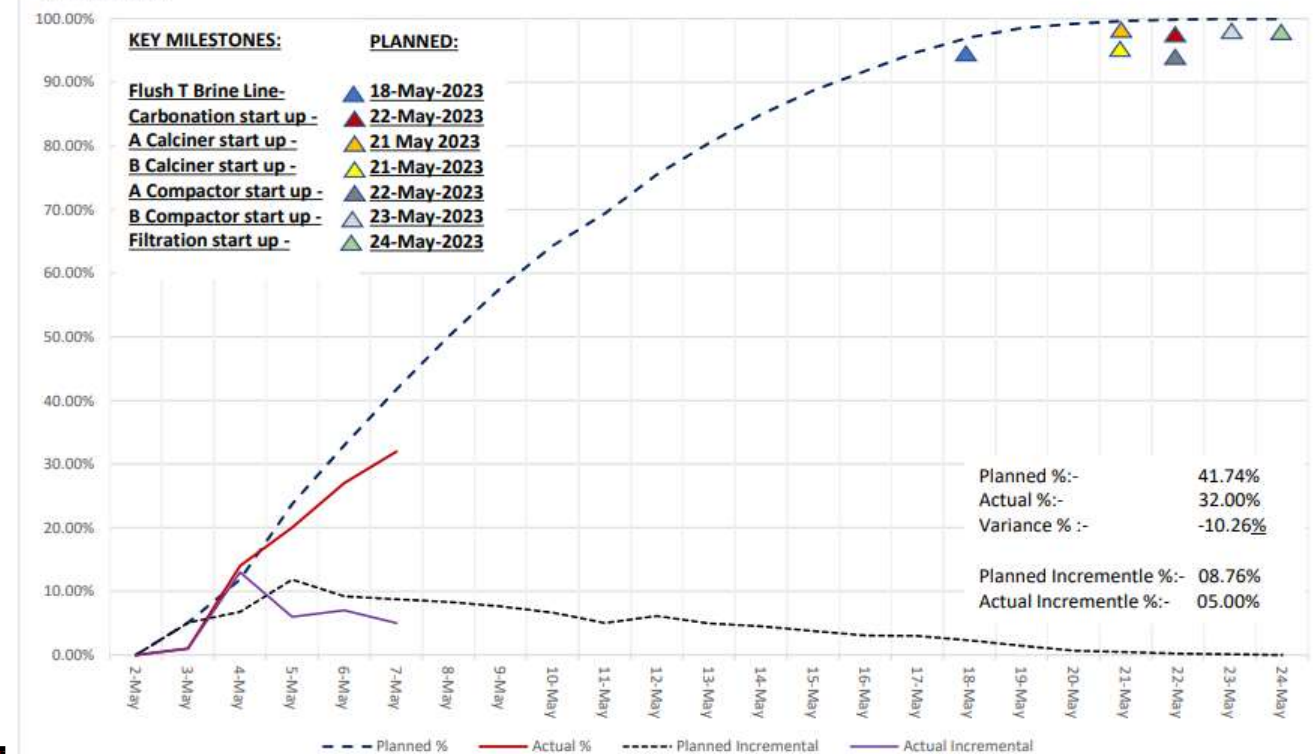
SODA ASH PLANT DASHBOARD

Drafted by: Slingshot Consultancy
STATUS DATE: 7-May-23

SHUTDOWN PLAN - SODA ASH PLANT 2023 - Updates 07 May									
ID	Task Name	% Complete	Duration	Start	Finish	30, '23	May 7, '23	May 14, '23	May 21, '23
1	SHUTDOWN PLAN 2023 - SODA ASH PLANT	32%	220 hrs	Wed 5/3/23	Tue 5/23/23				32%
3	PROJECT FINISH	0%	0 hrs	Tue 5/23/23	Tue 5/23/23				5/23
4	POTABLE & BRACKISH WATER SUPPLY	14%	55.5 hrs	Fri 5/12/23	Wed 5/17/23			14%	
339	FIRE HYDRANT SYSTEM	0%	111.5 hrs	Fri 5/12/23	Mon 5/22/23				0%
488	HOT WASH WATER SYSTEM	12%	118 hrs	Sat 5/6/23	Wed 5/17/23			12%	
790	CARBONATION	25%	193.25 hrs	Wed 5/3/23	Sun 5/21/23			25%	
2206	CRYSTALLISATION	6%	172.25 hrs	Wed 5/3/23	Fri 5/19/23			6%	
2805	Carbonation Maintenance Complete	0%	0 hrs	Sun 5/21/23	Sun 5/21/23				5/21
2806	BICARBONATE THICKENING	25%	151.25 hrs	Wed 5/3/23	Wed 5/17/23			25%	
3283	BICARBONATE FILTRATION - A LINE	75%	295.1 hrs	Wed 5/3/23	Mon 5/15/23			75%	
4093	BICARBONATE FILTRATION - B LINE	20%	220 hrs	Wed 5/3/23	Tue 5/23/23				20%
4764	Thickening and Filtration Maintenance Complete	0%	0 hrs	Tue 5/23/23	Tue 5/23/23				5/23
4765	CALCINER - A LINE	42%	198.25 hrs	Wed 5/3/23	Sun 5/21/23			42%	
5741	CALCINER - B LINE	45%	192.5 hrs	Wed 5/3/23	Sun 5/21/23			45%	
6731	CALCINER GAS TREATMENT - A LINE	72%	180.25 hrs	Wed 5/3/23	Sat 5/20/23			72%	
6860	CALCINER GAS TREATMENT - B LINE	22%	110 hrs	Wed 5/3/23	Sat 5/13/23			22%	
6980	Calcining Maintenance Complete	0%	0 hrs	Sun 5/21/23	Sun 5/21/23				5/21
6981	COMPACTION - A LINE	36%	196.5 hrs	Wed 5/3/23	Sun 5/21/23			36%	
8827	COMPACTION - B LINE	35%	204.5 hrs	Wed 5/3/23	Mon 5/22/23				5/22
10491	Compaction Maintenance Complete	0%	0 hrs	Mon 5/22/23	Mon 5/22/23				5/22
10492	DENSE SODA ASH STORAGE	0%	80.25 hrs	Wed 5/3/23	Wed 5/10/23			0%	
10879	DENSE SODA ASH BAGGING	0%	52 hrs	Wed 5/3/23	Sun 5/7/23			0%	
11233	Ash Bagging and Storage Maintenance Complete	0%	0 hrs	Wed 5/10/23	Wed 5/10/23				5/10
11234	SHUTDOWN MAINTENANCE COMPLETE	0%	0 hrs	Tue 5/23/23	Tue 5/23/23				5/23
11235	PLANT START-UP PLAN	0%	0 hrs	Tue 5/23/23	Tue 5/23/23				5/23



BOTSWANA - BOTASH REFURBISHMENT PROJECT 2023 - SODA ASH PLANT - Update:- 07 May 2023



SALT PLANT KEY MILESTONES	PLANNED	FORECAST
A Calciner	21-May-23	21-May-23
B Calciner	21-May-23	22-May-23
Salt Washing ready	22-May-23	22-May-23
Compaction A	21-May-23	17-May-23
Compaction B	22-May-23	20-May-23
Thickner scope completion	25-May-23	21-May-23
Soda Ash Plant operational	27-May-23	22-May-23

DAYS TO COMPLETION	TOP 5 RISKS
17	1) Thickner - Critical Path 2) Late material deliveries 3) Equipment availability 4) Quality 5) Works execution risks Based on spares available

PLANT SUB-AREA:	Planned	Actual	Variance	Planned % Increment	Actual % Increment	Risk
SHUTDOWN 2023 - SODA ASH PLANT	41.47%	32.00%	-9.47%	8.76%	5.00%	
POTABLE & BRACKISH WATER	0.00%	14.00%	14.00%	0.00%	0.00%	
FIRE HYDRANT SYSTEM	0.00%	0.00%	0.00%	0.00%	0.00%	
HOT WASH WATER SYSTEM	9.25%	12.00%	2.75%	5.55%	7.00%	
CARBONATION	39.73%	25.00%	-14.73%	8.70%	7.00%	
CRYSTALLISATION	14.85%	6.00%	-8.85%	5.32%	1.00%	
BICARBONATE THICKENING	37.28%	25.00%	-12.28%	20.35%	3.00%	
BICARBONATE FILTRATION - A LINE	72.52%	75.00%	2.48%	11.75%	4.00%	
BICARBONATE FILTRATION - B LINE	54.48%	20.00%	-34.48%	4.84%	4.00%	
CALCINER - A LINE	33.85%	42.00%	8.15%	7.66%	5.00%	
CALCINER - B LINE	36.02%	45.00%	8.98%	7.76%	13.00%	
CALCINER GAS TREATMENT - A LINE	54.50%	72.00%	17.50%	4.24%	0.00%	
CALCINER GAS TREATMENT - B LINE	52.22%	22.00%	-30.22%	8.99%	0.00%	
COMPACTION - A LINE	51.37%	36.00%	-15.37%	5.73%	8.00%	
COMPACTION - B LINE	36.66%	35.00%	-1.66%	10.21%	4.00%	
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%	

LOOK AHEAD SCOPE OF WORKS (L/L)	POSSIBLE RISKS	MITIGATIONS ON RISKS
Hot Wash Water cleaning		
HWW Circulation lines - replace		
Thickner S.O.W		
Hot Wash Pumps		
HWW Instrumentation works		
Cabonation Feed heaters - cleaning		
A,B,C & D Sand Filters		
Carbonation Feed tank		
A Bicarbonate Belt Conveyor - Replace		
Cloth Wash tank - relocate manhole		
Cloth Wash Pumps - Inspect		
Filtration pumps - overhaul		
Seal Water Heat Exchanger - Repair		
Vacuum Pumps - Inspection		
Electrical maint - Pumps		
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		
E & I Works		
Repair Fibre glass pipelines		