



Botswana Ash (Pty) Ltd

SODA ASH PLANT DASHBOARD

Drafted by: Slingshot Consultancy
STATUS DATE: 5-May-23

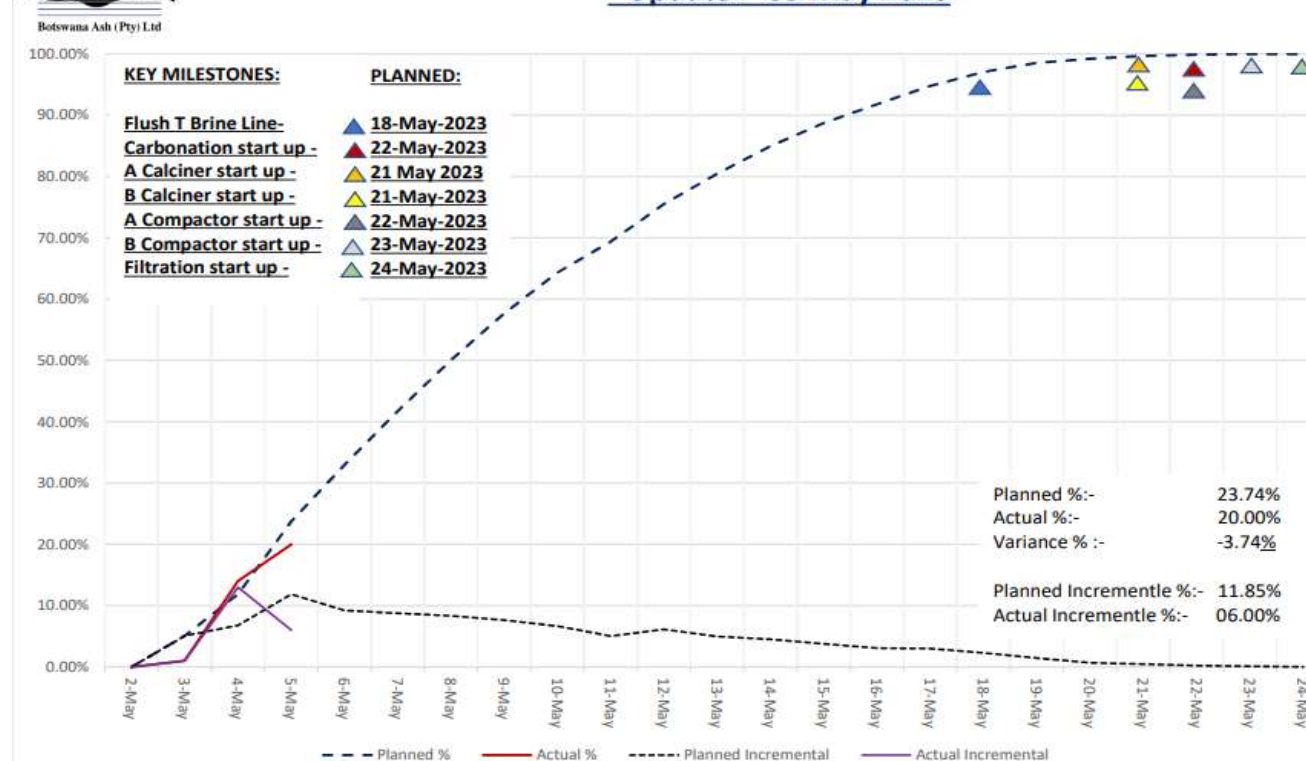
SHUTDOWN PLAN - SODA ASH PLANT 2023 - Updates 05 May

ID	Asset code	Task Name	% Complete	Duration	Start	Finish	0, '23	May 7, '23	May 14, '23	May 21, '23
1		SHUTDOWN PLAN 2023 - SODA ASH PLANT	20%	220 hrs	Wed 5/3/23	Tue 5/23/23				
2		PROJECT START	100%	0 hrs	Wed 5/3/23	Wed 5/3/23	5/3			5/23
3		PROJECT FINISH	0%	0 hrs	Tue 5/23/23	Tue 5/23/23				
4	AREA 65A	POTABLE & BRACKISH WATER SUPPLY	7%	55.5 hrs	Fri 5/12/23	Wed 5/17/23		7%		
339	Area 65A	FIRE HYDRANT SYSTEM	0%	111.5 hrs	Fri 5/12/23	Mon 5/22/23				
487		Water Plant Maintenance Complete	100%	0 hrs	Mon 5/22/23	Mon 5/22/23				5/22
488	Area 21A	HOT WASH WATER SYSTEM	0%	118 hrs	Sat 5/6/23	Wed 5/17/23		0%		
790	Area 27A	CARBONATION	14%	193.25 hrs	Wed 5/3/23	Sun 5/21/23		14%		
2206	Area 27B	CRYSTALLISATION	0%	172.25 hrs	Wed 5/3/23	Fri 5/19/23				
2805		Carbonation Maintenance Complete	0%	0 hrs	Sun 5/21/23	Sun 5/21/23				5/21
2806	Area 28A	BICARBONATE THICKENING	12%	151.25 hrs	Wed 5/3/23	Wed 5/17/23		12%		
3283	Area 28B	BICARBONATE FILTRATION - A LINE	68%	295.1 hrs	Wed 5/3/23	Mon 5/15/23		68%		
4093	Area 28C	BICARBONATE FILTRATION - B LINE	12%	220 hrs	Wed 5/3/23	Tue 5/23/23				12%
4764		Thickening and Filtration Maintenance Complete	0%	0 hrs	Tue 5/23/23	Tue 5/23/23				5/23
4765	Area 29A	CALCINER - A LINE	31%	198.25 hrs	Wed 5/3/23	Sun 5/21/23		31%		
5741	Area 29A	CALCINER - B LINE	17%	192.5 hrs	Wed 5/3/23	Sun 5/21/23		17%		
6731	Area 29B	CALCINER GAS TREATMENT - A LINE	17%	180.25 hrs	Wed 5/3/23	Sat 5/20/23		17%		
6860	Area 29B	CALCINER GAS TREATMENT - B LINE	19%	110 hrs	Wed 5/3/23	Sat 5/13/23		19%		
6980		Calcining Maintenance Complete	0%	0 hrs	Sun 5/21/23	Sun 5/21/23				5/21
6981	Area 29C	COMPACTION - A LINE	25%	196.5 hrs	Wed 5/3/23	Sun 5/21/23		25%		
8827	Area 29C	COMPACTION - B LINE	28%	204.5 hrs	Wed 5/3/23	Mon 5/22/23		28%		
10491		Compaction Maintenance Complete	0%	0 hrs	Mon 5/22/23	Mon 5/22/23				5/22
10492	Area 42A	DENSE SODA ASH STORAGE	0%	80.25 hrs	Wed 5/3/23	Wed 5/10/23		0%		
10879	Area 42A,C & D	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:- 05 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
19	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	Variance	Risk
SHUTDOWN 2023 - SODA ASH PLANT	23.74%	23.00%	-0.74%	11.85%	13.00%	1.15%	
POTABLE & BRACKISH WATER	0.00%	7.00%	7.00%	0.00%	0.00%	0.00%	
FIRE HYDRANT SYSTEM	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
HOT WASH WATER SYSTEM	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
CARBONATION	18.72%	14.00%	-4.72%	12.74%	3.00%	-9.74%	
CRYSTALLISATION	4.60%	0.00%	-4.60%	1.52%	0.00%	-1.52%	
BICARBONATE THICKENING	4.88%	12.00%	7.12%	1.15%	6.00%	4.85%	
BICARBONATE FILTRATION - A LINE	46.63%	68.00%	21.37%	16.46%	11.00%	-5.46%	
BICARBONATE FILTRATION - B LINE	44.15%	12.00%	-32.15%	12.03%	12.00%	-0.03%	
CALCINER - A LINE	16.61%	31.00%	14.39%	13.30%	8.00%	-5.30%	
CALCINER - B LINE	17.63%	17.00%	-0.63%	12.33%	7.00%	-5.33%	
CALCINER GAS TREATMENT - A LINE	36.98%	17.00%	-19.98%	21.12%	17.00%	-4.12%	
CALCINER GAS TREATMENT - B LINE	34.51%	19.00%	-15.51%	14.98%	19.00%	4.02%	
COMPACTION - A LINE	38.63%	25.00%	-13.63%	8.16%	7.00%	-1.16%	
COMPACTION - B LINE	16.09%	28.00%	11.91%	14.70%	4.00%	-10.70%	
DENSE SODA ASH STORAGE	45.63%	0.00%	-45.63%	22.00%	0.00%	-22.00%	
DENSE SODA ASH BAGGING	65.95%	0.00%	-65.95%	30.68%	27.15%	-3.53%	

LOOK AHEAD SCOPE OF WORKS (L/L)	POSSIBLE RISKS	MITIGATIONS ON RISKS
Carbonation System - Washing		
#3 Crystallisation - Civil works		
Drain Thickner & Clean / Scaffolding		
CO2 Compressore cleaning		
Clean Hot well sump		
Clean Slurry Head Tank		
Clean Filtration structure		
A Belt Filter Gearbox - Service		
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		
Calciners - Cleaning		
Plant Structure - Washing		
Scrubbers - cleaning		
Repair Fibre glass pipelines		