

PLANT START-UP PLAN

SODA ASH PLANT DASHBOARD

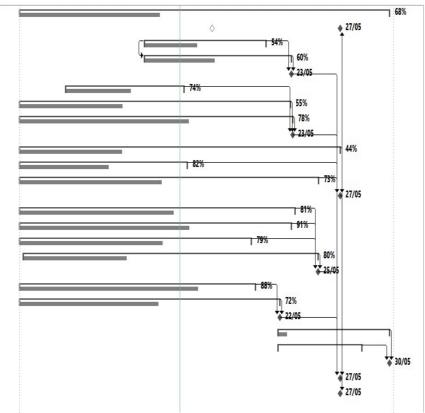
Drafted by: Slingshot Consultancy STATUS DATE: 15-May-23



0% 0 hrs

SODA ASH PLANT KEY MILESTONES

Sat 27/05/23 02:45 Sat 27/05/23 02:45



Botswana As	sh (Pty) Ltd		PLANT -	Upo	late:-	15	May	202	3 - R	ev (<u>)2</u>				
100.00%															
	KEY MILESTONES:		PLANNED:							100		A- A		_	
90.00%											_				
	Flush T Brine Line- Carbonation start up -		04-May-2023 24-May-2023					-							
80.00%	A Calciner start up -		24 May 2023			,-	-								
	B Calciner start up -	_	25-May-2023												
70.000	A Compactor start up	- 🔼	28-May-2023		-										
70.00%	B Compactor start up -		28-May-2023		-	/									
	Filtration start up -	A	26-May-2023												
60.00%	<u>Thickener -</u>	•	27-May-2023												
50.00%			1/	_											
40.00%			1		Revis	ed									
		-	/		sched	dule									
30.00%		/					-					Planne	ed %:-		79.48
		,										Actual	%:-		68.00
20.00%	//											Varian	ce % :-		-11.48
	//											Planne	d Increm	nental %:-	03.569
10.00%												Actual	Increme	ntal %:-	05.009
10.0070	1.1X	_													
0.00%				/											
	they they they they be the ?	M24 08.	1824 DE 10 10 12 17 18	12. May	May AMay	S.May John	Yen.Tr	8.No. 19.N	20 May 2	1.May 22	N34 23.N	24. May 25	May Se May	1.0024 28.0024	24 m

				U , 1 U .					<u></u>		
HOT WASH WATER SYSTEM	15-	May-23	17-N	1ay-23	-2.25						
CARBONATION 23-		May-23	26-N	1ay-23	-3.00			1) Thic	ckener repairs		
BICARBONATE THICKENING 27-		May-23	29-May-23		-2.00		1	2) Sec	Carbo Gearbox		
BICARBONATE FILTRATION - A LINE 15-		May-23	20-N	1ay-23	-5.05			3) B C	ompactor gearbox		
CALCINER - A LINE 23-		-May-23 23		1ay-23	0.00		L Z	4) Mo	tors away for repairs		
COMPACTION - A LINE 20-		May-23	20-May-23		0.00			5) Wo) Works execution risks		
Soda Ash Plant operational	30-	May-23	30-N	1ay-23	0.00			afte	er inspections.		
				_			Planned %	Actual %			
PLANT SUB-AREA:	Plann	ed	Actual	al Varian		Increment	Increment	Risk			
SHUTDOWN 2023 - SODA ASH	79.48%		68.00%	% -11.48		5.50%	5.00%				
POTABLE & BRACKISH WATER SUPP	50.00%		54.00%	4.009	%	19.07%	12.00%				
FIRE HYDRANT SYSTEM)%	60.00%	21.00	%	15.99%	32.00%			
HOT WASH WATER SYSTEM			0%	74.00%	-26.00)%	2.55%	2.00%			
CARBONATION			'%	55.00%	-27.67	7%	5.64%	3.00%			
CRYSTALLISATION			.%	78.00%	1.699	%	6.60%	14.00%			
BICARBONATE THICKENING			8%	44.00%	-19.08	3%	4.56%	8.00%			
BICARBONATE FILTRATION - A LINE			0%	82.00%	-18.00)%	1.63%	0.00%			
BICARBONATE FILTRATION - B LINE	76.29	%	73.00%	-3.29	%	2.99%	6.00%				
CALCINER - A LINE	86.90)%	81.00%	-5.90	%	3.30%	8.00%				
CALCINER - B LINE	88.03%		91.00%	2.979	%	5.08%	4.00%				
CALCINER GAS TREATMENT - A LINI	93.96%		79.00%	-14.96	6%	7.24%	0.00%				
CALCINER GAS TREATMENT - B LINE	87.41%		80.00%	-7.41	%	0.00% 0.00%					
COMPACTION - A LINE			' %	88.00%	-0.37	%	3.96%	6.00%			
COMPACTION - B LINE			.%	72.00%	-14.01	L%	3.61%	5.00%			
DENSE SODA ASH STORAGE			0.00% 1.00%		1.00%		19.15%	0.00%			
DENSE SODA ASH BAGGING	0.00	%	0.00%	0.009	%	24.04%	0.00%				

PLANNED FORECAST Variance DAYS TO COMPLETION TOP 5 RISKS

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		