



**Drafted by: Slingshot Consultancy**  
**STATUS DATE: 27-May-23**

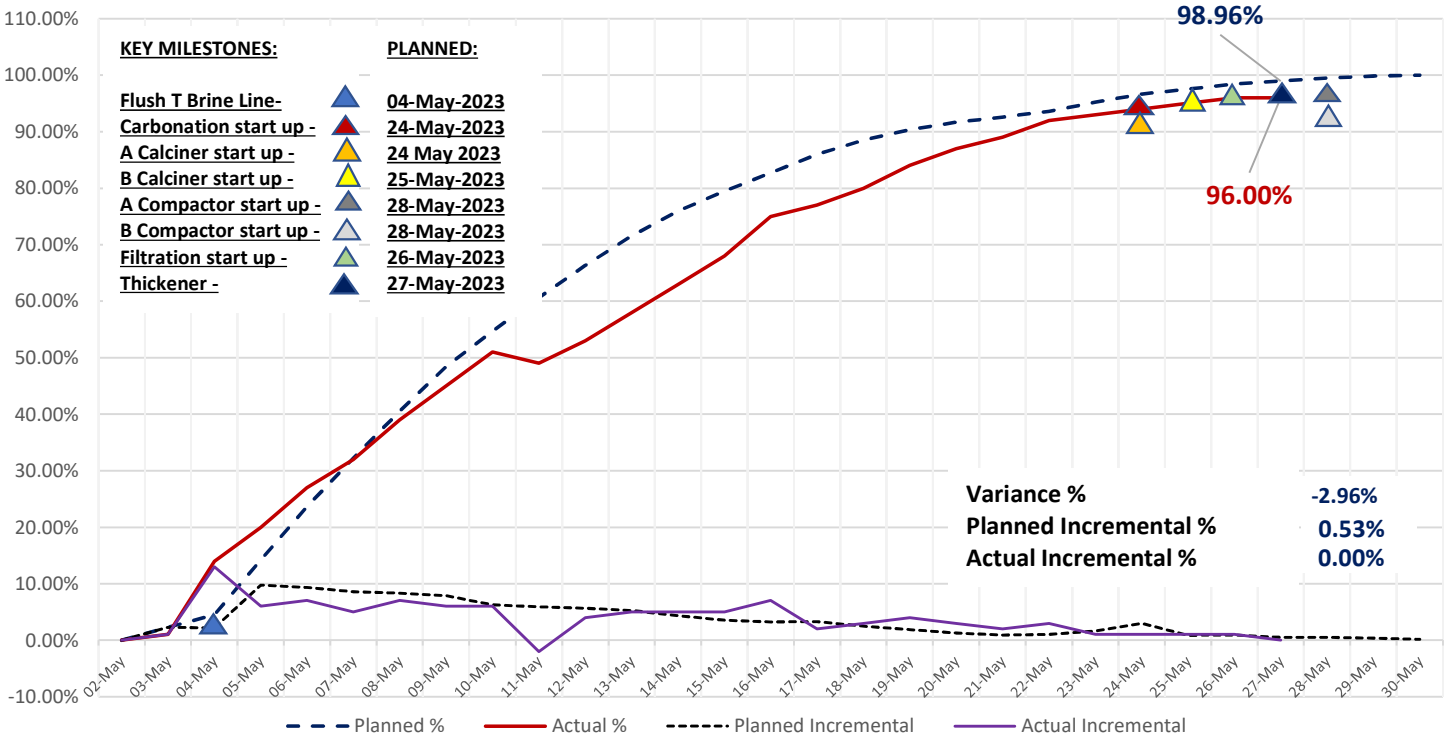
| Task Name                                      | Duration   | % Compl | Start              | Finish             |
|------------------------------------------------|------------|---------|--------------------|--------------------|
| SHUTDOWN PLAN 2023 - SODA ASH PLANT            | 293.25 hrs | 96%     | Wed 03/05/23 06:30 | Tue 30/05/23 17:15 |
| PROJECT FINISH                                 | 0 hrs      | 0%      | Sat 27/05/23 02:45 | Sat 27/05/23 02:45 |
| FIRE HYDRANT SYSTEM                            | 115.5 hrs  | 99%     | Fri 12/05/23 08:30 | Tue 23/05/23 08:30 |
| Water Plant Maintenance Complete               | 0 hrs      | 0%      | Tue 23/05/23 08:30 | Tue 23/05/23 08:30 |
| HOT WASH WATER SYSTEM                          | 91 hrs     | 99%     | Sat 06/05/23 11:00 | Mon 15/05/23 07:30 |
| CARBONATION                                    | 210.25 hrs | 98%     | Wed 03/05/23 06:30 | Tue 23/05/23 07:15 |
| CRYSTALLISATION                                | 214.25 hrs | 99%     | Wed 03/05/23 06:30 | Tue 23/05/23 11:15 |
| Carbonation Maintenance Complete               | 0 hrs      | 0%      | Tue 23/05/23 11:15 | Tue 23/05/23 11:15 |
| BICARBONATE THICKENING                         | 252 hrs    | 94%     | Wed 03/05/23 06:30 | Sat 27/05/23 02:45 |
| BICARBONATE FILTRATION - A LINE                | 294.75 hrs | 98%     | Wed 03/05/23 06:30 | Mon 15/05/23 13:15 |
| BICARBONATE FILTRATION - B LINE                | 233.5 hrs  | 99%     | Wed 03/05/23 06:30 | Thu 25/05/23 09:30 |
| Thickening and Filtration Maintenance Complete | 0 hrs      | 0%      | Sat 27/05/23 02:45 | Sat 27/05/23 02:45 |
| CALCINER - A LINE                              | 217.5 hrs  | 98%     | Wed 03/05/23 06:30 | Tue 23/05/23 15:00 |
| CALCINER - B LINE                              | 211.5 hrs  | 99%     | Wed 03/05/23 06:30 | Tue 23/05/23 08:30 |
| CALCINER GAS TREATMENT - A LINE                | 180 hrs    | 99%     | Wed 03/05/23 06:30 | Sat 20/05/23 08:30 |
| Calcining Maintenance Complete                 | 0 hrs      | 0%      | Thu 25/05/23 09:00 | Thu 25/05/23 09:00 |
| COMPACTION - A LINE                            | 187.25 hrs | 99%     | Wed 03/05/23 06:30 | Sat 20/05/23 16:15 |
| COMPACTION - B LINE                            | 204.25 hrs | 92%     | Wed 03/05/23 06:30 | Mon 22/05/23 11:45 |
| Compaction Maintenance Complete                | 0 hrs      | 0%      | Mon 22/05/23 11:45 | Mon 22/05/23 11:45 |
| DENSE SODA ASH STORAGE                         | 92.25 hrs  | 65%     | Mon 22/05/23 08:30 | Tue 30/05/23 17:15 |
| DENSE SODA ASH BAGGING                         | 69.5 hrs   | 57%     | Mon 22/05/23 08:30 | Sun 28/05/23 15:30 |
| Ash Bagging and Storage Maintenance Complete   | 0 hrs      | 0%      | Tue 30/05/23 17:15 | Tue 30/05/23 17:15 |
| SHUTDOWN MAINTENANCE COMPLETE                  | 0 hrs      | 0%      | Sat 27/05/23 02:45 | Sat 27/05/23 02:45 |
| PLANT START-UP PLAN                            | 0 hrs      | 0%      | Sat 27/05/23 02:45 | Sat 27/05/23 02:45 |

| SODA ASH PLANT KEY MILESTONES    |  | PLANNED   | FORECAST  | Variance | DAYS TO COMPLETION  | TOP 5 RISKS        |                                      |
|----------------------------------|--|-----------|-----------|----------|---------------------|--------------------|--------------------------------------|
| CARBONATION                      |  | 23-May-23 | 28-May-23 | -5.40    |                     |                    |                                      |
| BICARBONATE THICKENING           |  | 27-May-23 | 28-May-23 | -1.44    |                     |                    |                                      |
| BICARBONATE FILTRATION - A LINE  |  | 15-May-23 | 28-May-23 | -13.56   |                     |                    |                                      |
| CALCINER - A LINE                |  | 23-May-23 | 28-May-23 | -5.41    |                     |                    |                                      |
| COMPACTION - A LINE              |  | 20-May-23 | 28-May-23 | -8.18    |                     |                    |                                      |
| COMPACTION - B LINE              |  | 22-May-23 | 04-Jun-23 | -13.75   |                     |                    |                                      |
| DENSE SODA ASH STORAGE & BAGGING |  | 30-May-23 | 30-May-23 | 0.00     |                     |                    |                                      |
| PLANT SUB-AREA:                  |  | Planned   | Actual    | Variance | Planned % Increment | Actual % Increment | Risk                                 |
| SHUTDOWN 2023 - SODA ASH         |  | 98.96%    | 96.00%    | -2.96%   | 0.53%               | 0.00%              |                                      |
| POTABLE & BRACKISH WATER SUPPLY  |  | 100.00%   | 100.00%   | 0.00%    | 0.00%               | 0.00%              |                                      |
| FIRE HYDRANT SYSTEM              |  | 100.00%   | 99.00%    | -1.00%   | 0.00%               | 0.00%              | Pump alignment                       |
| HOT WASH WATER SYSTEM            |  | 100.00%   | 99.00%    | -1.00%   | 0.00%               | 0.00%              | Pump guard installation              |
| CARBONATION                      |  | 100.00%   | 98.00%    | -2.00%   | 0.00%               | 2.00%              | Sand Filter Nozzles & Sand           |
| CRYSTALLISATION                  |  | 100.00%   | 99.00%    | -1.00%   | 0.00%               | 3.00%              | H.E. #7, Cryst Feed pump             |
| BICARBONATE THICKENING           |  | 100.00%   | 94.00%    | -6.00%   | 0.10%               | 1.00%              | Decon; Launder pipes; Bitterns pumps |
| BICARBONATE FILTRATION - A LINE  |  | 100.00%   | 98.00%    | -2.00%   | 0.00%               | 0.00%              | #3 Vacuum pump                       |
| BICARBONATE FILTRATION - B LINE  |  | 100.00%   | 99.00%    | -1.00%   | 0.00%               | 1.00%              | Belt Filter cloth, Permits, Elec     |
| CALCINER - A LINE                |  | 100.00%   | 98.00%    | -2.00%   | 0.00%               | 0.00%              | Mixer; Roller guards                 |
| CALCINER - B LINE                |  | 100.00%   | 99.00%    | -1.00%   | 0.00%               | 0.00%              | Roller guards                        |
| CALCINER GAS TREATMENT - A LINE  |  | 100.00%   | 99.00%    | -1.00%   | 0.00%               | 0.00%              | Scrubber CO2, Pump, Cooler           |
| CALCINER GAS TREATMENT - B LINE  |  | 100.00%   | 100.00%   | 0.00%    | 0.00%               | 0.00%              |                                      |
| COMPACTION - A LINE              |  | 100.00%   | 99.00%    | -1.00%   | 0.00%               | 0.00%              | Permits, Flow sensor; Dumping syst   |
| COMPACTION - B LINE              |  | 100.00%   | 92.00%    | -8.00%   | 0.00%               | 1.00%              | Feeder, Stirrers, Compactor; Elec    |
| DENSE SODA ASH STORAGE           |  | 74.90%    | 65.00%    | -9.90%   | 11.08%              | 13.00%             | General maint                        |
| DENSE SODA ASH BAGGING           |  | 93.91%    | 57.00%    | -36.91%  | 6.35%               | 33.00%             | General maint                        |



## **BOTSWANA BOTASH REFINING PROJECT 2023 - SODA ASH**

**PLANT :-** 27-May-2023

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