

Wednesday 3 November 2021

## BEYONDIE SOP PROJECT - COMMISSIONING UPDATE

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Beyondie Sulphate of Potash Project commissioning process continues, including key stress tests on major components.

- Commissioning tests running on a 24-hour, seven-day cycle
- Feed salt delivery has achieved design rate of 105 tonnes per hour
- Primary schoenite production ramping up to design concentrations and generation of the SOP mother liquor required for commercial SOP production
- Tailings discharge commissioned at 32 tonnes per hour (30% above name plate)
- Schoenite flotation optimisation is ongoing to ensure high quality schoenite SOP conversion
- EBTEC GbR specialists and vendors on site to support commissioning and training of the KLL operations team

*“The rigorous commissioning process at the Beyondie SOP Project is being guided by the specialists from EBTEC as each component is stress tested to prepare for commercial production during the coming weeks.*

*“Expert, technical guidance is extremely important to successfully commission, operate and maintain a complex chemistry processing plant in an isolated desert location like the Beyondie SOP Project. EBTEC’s commitment to the Project has been absolute and it has made an extraordinary effort to deliver its services despite all of the ongoing COVID 19 restrictions.”*

**Rudolph van Niekerk - Chief Executive Officer**

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**Beyondie SOP Project Commissioning Team Lead by Christian Andrea (centre) from Ebtec GbR**

## Commissioning and Operational Readiness

Commissioning has now entered the final stages of product commissioning where feed salt is being used to increase concentrations of the recirculating mother liquor that is required for continuous commercial production of SOP. While the process is trending slightly behind schedule and using more of the harvested salts than anticipated, the performance of the SOP purification plant is steadily improving, with some areas of the plant already running at or above name plate capacity.



Optimising Schoenite Flotation



Tailings Discharge Above Nameplate

## Compaction Plant

Construction of the compaction plant is also near completion with DRA working towards achieving practical completion before the end of November.



Compaction Plant Near Completion

## Borefield and Pond Operations

Brine supply from the trenches and bore fields have been impacted over the last couple of weeks as a result of silting and collapsing of trench walls in a few places, as well as unexpected breakdowns of a few production bores. Action has been taken to address these issues to get brine supply back to target production rates as soon as possible so as to minimise any impact to the forecast production ramp-up profile.

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\*\*\* ENDS \*\*\*

This announcement was approved and authorised for release by the Chief Executive Officer of Kalium Lakes Limited.

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