

**ASX ANNOUNCEMENT**

24 November 2021

## Ohmgebirge Drill Pad Construction Commences

- Commenced drill pad construction for drillhole OHM-02 at Ohmgebirge
- OHM-02 is the first of two confirmatory resource classification upgrade holes
- Targeted completion of OHM-02 in early Q1, CY2022
- Permit for second hole, OHM-01, to be granted in coming weeks with target completion end-Q1, CY2022
- Ohmgebirge Scoping Study programme underway, scheduled end-Q1 CY2022

South Harz Potash Limited (ASX:SHP, “South Harz”, “The Company”) is pleased to announce that work has begun on construction of the drill pad for drillhole OHM-02 within the flagship Ohmgebirge Mining Licence (Ohmgebirge) area.

Drillhole OHM-02, is planned to a depth of 692m to fully penetrate the known potash horizon in the area. The aim of the drilling is to recover potash core from depth to assist in verifying historical drilling carried out at Ohmgebirge as recently as the 1980’s. Drillhole OHM-02 is designed to twin the historical drillhole *Kal Wr 6 Liese*, which recorded a potash interception from 651.70m to 657.20m (5.5 m thick) with an historic reported grade of 15.7% K<sub>2</sub>O. (ASX announcement 23<sup>rd</sup> December 2019\*).

Permitting for the second confirmatory drillhole at Ohmgebirge, OHM-01, is expected to be granted in the next few weeks, with drilling of this second hole expected to commence after completion of drillhole OHM-02.

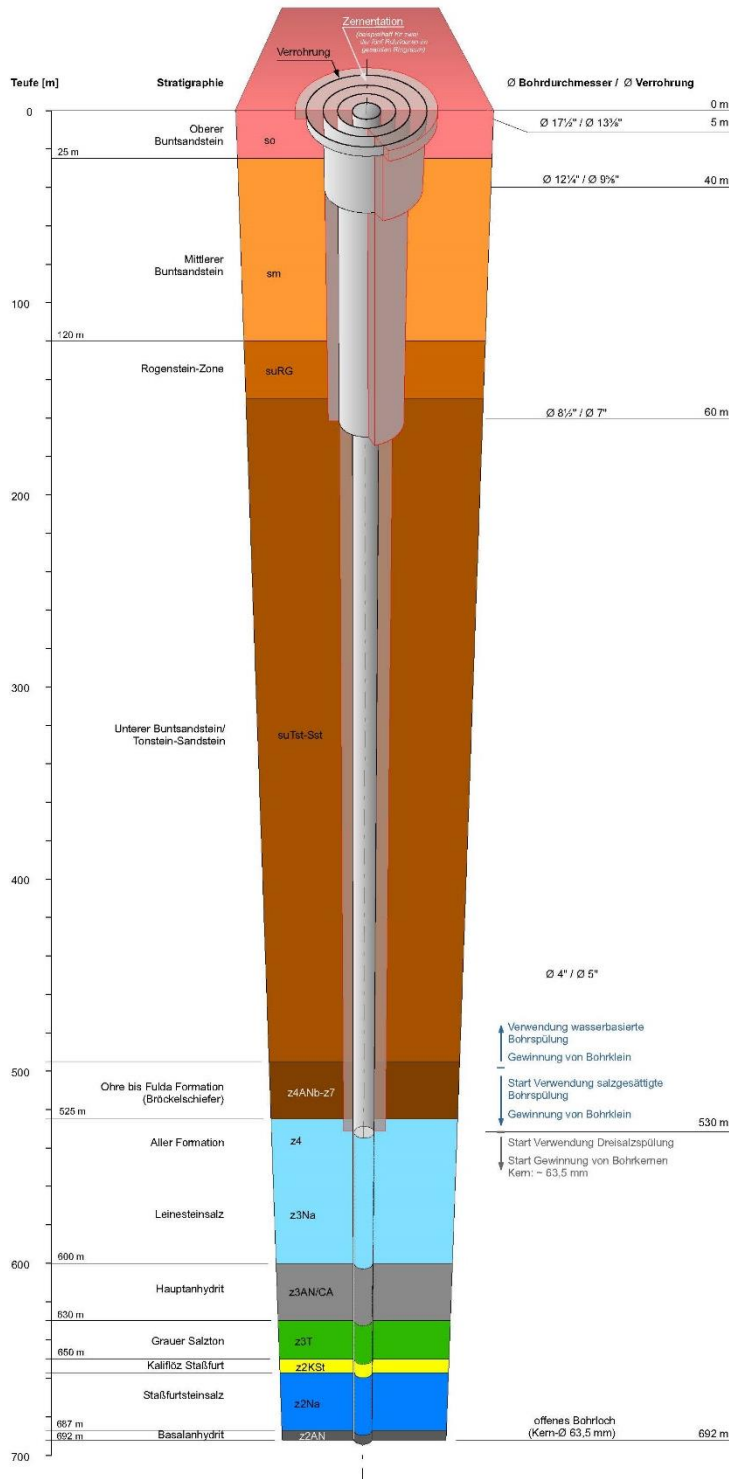
Drilling of these two confirmatory drillholes is targeted to allow the Company to upgrade a substantial proportion of the current Ohmgebirge JORC (2012) Inferred Mineral Resource estimate to the Indicated category. Subject to concurrent and satisfactory advancement of all modifying factors, this is expected to allow the release of a Scoping Study (preliminary technical and economic assessment) from Ohmgebirge.

**SHP’s Managing Director, Dr Chris Gilchrist**, commented “*I am delighted to advise that work has now commenced on the drill pad for the first of our two holes at Ohmgebirge. This is the first potash drillhole drilled in the South Harz Potash District since the 1980’s and we are excited to begin the process of extracting potash core from depth. Permitting for drilling has been straightforward and, in line with the Company’s environmental and social principles, focuses on minimising impacts to the local environment and residents within the area. I would like to extend my thanks to the regulatory authority TLUBN for their professionalism and to the people of Thüringian for their warm welcome and enthusiasm for our projects.*”

**CONTACT DETAILS**

## Ohmgebirge Drilling – OHM-02

### Technische Planung der Bohrung



Drilling at Ohmgebirge will commence with hole OHM-02, targeted to 692m.

OHM-02 is designed to twin historic drillhole Kal Wr 6 Liese which intercepted 15.72% K<sub>2</sub>O from 651.70m to 657.20m (ASX announcement 23<sup>rd</sup> December 2019). The drillhole will commence in the Triassic Upper Bunter Sandstone down to a depth of ~120m. The Upper Bunter is a major aquifer in the area and the drillhole and associated aquifers will be cased off and sealed using 8.5 inch diameter casing.

The Lower Bunter Sandstone extends down to the Fulda Fm at a depth of 485m. This zone is comprised of sandstones and siltstones and clay towards its base. Several aquifer zones have been identified in the Lower Bunter and casing will once again be used to protect the drillhole.

The Fulda Fm, at the base of the Bunter, consists mainly of siltstones and claystones with subordinate Anhydrite and Carbonates. This zone marks the top of the Permian Zechstein series. Below the Fulda Fm exists the Aller Fm which is comprised of grey Anhydrite and Halite and sits on top of the Dolomite, Anhydrite and clay belonging to the Leine Fm. The Leine Fm serves as a lithostratigraphic protective layer for the underlying Zechstein evaporite rocks of the lithostratigraphic unit against downward migration of brine and groundwater located in the hanging wall rocks.

At depth, the Zechstein rocks consists of seven well know depositional cycles with the potash mineralisation of the South Harz Potash District hosted within the second cycle, the Kaliflöz Staßfurt z2KSt, shown in yellow.

Finally the hole is planned to penetrate the Basal Anhydrite unit, which marks the base of the known potash deposits in the region.

The drill pad is being constructed by local civils contractor **Große-Bau**, under the supervision of drilling contract *H. Anger's Söhne – Bohr- und Brunnenbaugesellschaft* ("**Angers**"). Work commenced on the site on 15<sup>th</sup> November with removal of the topsoil from the drill pad area.

The pad will be constructed in layers building up to a maximum height of 1.2m. The surface of the drill pad will be covered in a protective layer of asphalt and any run-off water will be collected and treated in two specially-designed catchment basins.

Once drilling work begins, supervision will be conducted by South Harz personnel with the assistance of *ErcosplanIngenieurgesellschaft Geotechnik und Bergbau mbH* "**Ercosplan**", who have over 50 years' experience in potash geology in the regions around the world.

Core will be collected from the drillhole from the base of the Fulda Fm at 525m down to the end of the drillhole. The drillhole will be logged using the latest downhole geophysical techniques so as to obtain the most comprehensive data set from the drillhole.

Analyses of the drill core will be carried out at the world class laboratories of K-UTEC Salt Technologies, located less than 20km from the project area. Selected samples will also be subjected to geomechanical rock testing and creep testing, which will enable further information on the geomechanical characteristics of the hangingwall and footwall to be investigated for future mining layout and pillar designs.



**Figure 2: Breaking ground at drill pad OHM-02, week 46 2021**





**Figure 3: Top soil removed for storage from drill pad at OHM-02.**

This announcement has been authorised by the Directors of South Harz Potash Limited.

On behalf of South Harz Potash Limited,

Dr Chris Gilchrist, Managing Director

### Investor & Media Enquiries

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**ASX Code (Options):** SHPO

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**430.6M** Ordinary Shares

**154.2M** Unlisted Options

**46.2M** Listed Options

**4.1M** Performance Rights

## Notes to Editors

South Harz Potash (ASX: SHP) is a potash exploration and development company with projects in the South Harz Potash District region of Germany, midway between Frankfurt and Berlin. Collectively, it hosts a massive potash resource across four wholly-owned projects located favourably within central Europe; Ohmgebirge, its flagship project, Ebeleben, Mühlhausen-Küllstedt and Nohra-Elende which have a total JORC Inferred resource of 5.3 billion tonnes at 10.8% K<sub>2</sub>O (potassium oxide)\*.

South Harz Potash's project portfolio comprises three perpetual potash mining licences, Ohmgebirge, Ebeleben, Mühlhausen-Nohra and two potash exploration licences, Küllstedt and Gräfentonna, covering a total area of approximately 659km.

## South Harz Potash - Growing a responsible potash business in the heart of Germany

*\*In accordance with ASX Listing Rule 5.23, the Company is not aware of any new information or data that materially affects the information included in the previous market announcements.*

[www.southharzpotash.com](http://www.southharzpotash.com)