Cornish Metals Successfully Commissions Pumps

Cornish Metals (TSX.V / AIM: CUSN)

Announced that it has successfully commissioned both submersible pumps that were recently installed in New Cook's Kitchen shaft and their associated Variable Speed Drives.

Cornish-metals-south-crofty-sunset-Greg-Martin-Cornwall-Live

Cornish Metals Successfully

Commissions Submersible Pumps and Variable Speed Drives

July 26, 2023

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Cornish Metals Inc.(TSX-V/AIM: CUSN) ("**Cornish Metals**" or the "**Company**"), a mineral exploration and development company focused on its South Crofty tin project in Cornwall, United Kingdom, is pleased to announce that it has successfully commissioned both submersible pumps that were recently installed in New Cook's Kitchen ("NCK") shaft and their associated Variable Speed Drives ("VSDs").

Richard Williams, CEO and Director, stated

> *"This is a very significant milestone for South Crofty. Seeing the first water being pumped out of the mine during this commissioning phase since the mine's closure 25 years ago is a truly historic moment.*

> *"Our project team has worked extremely hard to install and commission the pumps and drives safely and efficiently.*

“We have also been supported by a small army of dedicated local contractors along with equipment manufacturers and suppliers, so a big thank you to everyone involved in the project to date.”

Submersible Pump and VSD Commissioning

Two KSB BSX 463/5 specialist high-head 950 kilowatt (“kW”) vertical submersible pumps manufactured and supplied by KSB Ltd have been installed in the NCK shaft, both at a depth of approximately 360m below surface (see news releases dated June 26, 2023 and July 18, 2023). The pumps are controlled by two Schneider Electric Altivar ATV 1200 variable speed drives supplied through Siemag Tecberg UK. The VSDs enable the permitted 25,000 cubic metres (m3) per day pumping rate to the Mine Water Treatment Plant (“MWTP”) to be maintained as the water level in the shaft drops and the pumping head increases.

Teams from Cornish Metals, Siemag Tecberg and Schneider Electric have been on-site for the last two weeks testing the pumps and VSDs. The two pumps and both VSDs have now been successfully commissioned and run through a series of performance tests to demonstrate their ability to meet the target flow rate to the MWTP.

The pumps have been pumping mine water from below the 195 fathom level to the MWTP where it has been diverted around the plant and returned back underground via a specially installed commissioning loop. Once the MWTP is completed and commissioned later in the summer, the fully treated mine water will be diverted to the Red River and dewatering of the mine will commence.

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Disclosure

At the time of writing the author holds no shares in **Cornish Metals**

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