Market Update

CobaltBlue green energy technology

9 December 2019

Cobalt Blue Holdings Limited A Green Energy Exploration Company

COB

Commodity Exposure: Cobalt & Sulphur

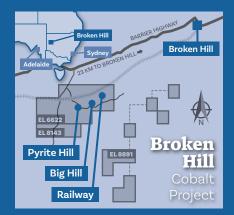
Directors & Management:

ASX Code:

Robert Biancardi	Non-Exec Chairman				
Hugh Keller	Non-Exec Director				
Robert McDonald	Non-Exec Director				
Joe Kaderavek	CEO & Exec Director				
Robert Waring	Company Secretary				

Capital Structure

Ordinary Shares at 9/12/2019:	149.9m	
Options (ASX Code: COBO):	29.6m	
Market Cap (undiluted):	\$19.5m	
Share Price:		
Share Price at 9/12/2019:	\$0.13	



Cobalt Blue Holdings Limited

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December 2019 - Highlights

Pilot Plant Update

KEY POINTS

- COB has committed to build a metallurgical testing centre in Broken Hill. This will include a Demonstration Plant for testing COB minerals processing technology to produce cobalt sulphate from pyrite samples sourced from the Broken Hill Cobalt Project.
- Commissioning of the plant is targeted for mid 2020, followed by processing up to 4,000 tonnes of sample.
- This facility will support (a) the Feasibility Study for the Broken Hill Cobalt Project, and (b) the evaluation of applying the technology to other projects under the COB Partnerships framework.
- Construction of Pilot Plant critical equipment has begun, with the first key equipment scheduled to arrive on the plant site (Broken Hill) in Q1 2020.

Metallurgical Testing Centre

COB has committed to building a metallurgical testing centre in Broken Hill. This will include a Demonstration Plant in support of the Broken Hill Cobalt Project (BHCP). The plant will provide reliable testwork data for incorporation into the upcoming Feasibility Study in 2021 and will be focussed on testing the COB patented minerals processing technology to produce cobalt sulphate from pyrite samples. Design, engineering and procurement is now well underway.

Initially, COB will be using the existing 90 tonnes of samples stored from previous drilling campaigns to commission the plant. This step is expected to be completed in mid 2020. COB then intends to treat up to 4,000 tonnes of sample through the plant. The plant will then be operated on a continuous basis to produce cobalt sulphate and elemental sulphur for marketing and offtake negotiations.

Our global partners have indicated that 150–300 kg of cobalt sulphate is required to make 'test batteries' for verification of new chemical suppliers. COB aims to produce a minimum of 2 tonnes of cobalt sulphate.



The BHCP development timeline to 2022 is shown in the figure below.

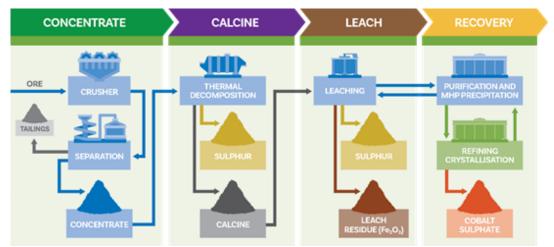
Figure 1. The BHCP Development Timeline.

2017	2018	2019	2020	2021	2022
 IPO Resource upgrade Drilling: +8,000m Resource: 55Mt Scoping Study 	 Resource upgrade Drilling: +12,500m Resource: 72Mt LGI – Cobalt First Mover Pre Feasibility Study 	 Mitsubishi – Sulphur Agreement Concentration Pilot Scale Testwork Resource upgrade Drilling: +9,500m Resource: 1111Mt* 100% Project Ownership CPDP Submission 	 Pilot Plant – Q2 2020 Ore Reserve Update – Q2 2020 	 Demonstration Plant Q1 2021 EIS Submission Q4 2021 	 Feasibility Study and Approvals Q1 2022 Final Investment Decision – Q1 2022
ACHIEVEMENTS		GOALS			

In addition to testing samples for the BHCP, COB will make the facilities available for evaluation of the patented minerals technology for application to other projects. This work will be conducted under the COB Partnerships framework.

The Demonstration Plant simplified block flow diagram is shown below.

Figure 2. Conceptual flowchart for processing ore and production of cobalt sulphate.



Pilot Plant Update - China Visit

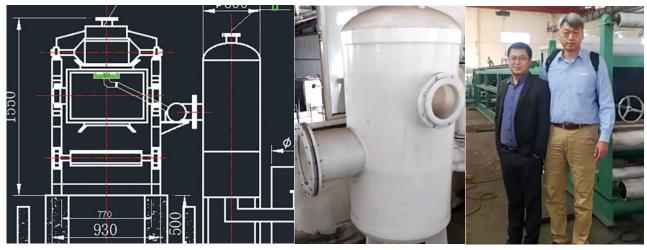
COB's Chief China Representative, Joe Lam, recently completed a progress inspection visit for key leach reactors (autoclave) and filter equipment. The estimated arrival date of these equipment items is Q1 2020.

Figure 3. Design drawing and cutaway of leach reactor (LHS), fully assembled similar reactor on factory floor (RHS).





Figure 4. Design drawing and belt filter collection vessel (LHS). Fully assembled similar filter on factory floor (RHS)



Cobalt Blue Background

Cobalt Blue Holdings Limited (ASX: COB) is an exploration and project development company. Work programs advancing the Broken Hill Cobalt Project in New South Wales continue. Cobalt is a strategic metal in strong demand for new generation batteries, particularly lithium-ion batteries now being widely used in clean energy systems.

Looking forward, we would like our shareholders to keep in touch with COB updates and related news items, which we will post on our website, the ASX announcements platform, as well as social media such as Facebook () and LinkedIn (in). Please don't hesitate to join the 'COB friends' on social media and to join our newsletter mailing list at our website.

Jula

Joe Kaderavek Chief Executive Officer info@cobaltblueholdings.com P: (02) 8287 0660

Previously Released Information

This ASX announcement refers to information extracted from the following reports, which are available for viewing on COB's website http://www.cobaltblueholdings.com

- 21 October 2019: Cobalt Blue OZ Minerals Testwork Agreement
- 22 August 2019: Cobalt Blue Strengthens Broken Hill Exploration Footprint
- 18 July 2019: COB and GEMC enter into testwork co-operation agreement
- 24 June 2019: Concentrate Circuit (Pilot Trial) program successfully completed
- 31 May 2019: COB Mitsubishi Corporation Sulphur Agreement
- 26 February 2019: Positive Large Scale Testwork Results

The information in this report that relates to Metallurgical Testwork or Engineering Design Studies is based on information compiled by Dr Andrew Tong, a Competent Person who is a Member of The Australasian Institute of Mining and Metallurgy. Dr Andrew Tong is engaged by Cobalt Blue Holdings as Executive Manager. Dr Andrew Tong has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 JORC Code. Dr Andrew Tong consents to the inclusion in the report of the matters based on his information in the form and context in which they appear.

* Mineral Resource of 111Mt made up of 18Mt Measured, 55Mt Indicated, and 38Mt Inferred, as detailed in ASX announcement dated 5 December 2019.