

21 SEPTEMBER 2018

## RADIO HILL GOLD CIRCUIT CONSTRUCTION UPDATE

ASX : ARV

FRANKFURT : ATY

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### GOLD AND COBALT IN THE PILBARA

ARTEMIS RESOURCES LIMITED IS AN AUSTRALIAN MINERAL DEVELOPER ADVANCING ITS WEST PILBARA BASE METALS, BATTERY AND PRECIOUS METALS ASSETS TOWARDS PRODUCTION.

ARTEMIS HAS CONSOLIDATED A MAJOR LAND HOLDING IN THE WEST PILBARA AND IS THE 100% OWNER OF THE RADIO HILL OPERATIONS AND PROCESSING INFRASTRUCTURE, STRATEGICALLY LOCATED 30 KM FROM THE CITY OF KARRATHA, THE POWERHOUSE OF THE PILBARA.

### WANT TO KNOW MORE ABOUT ARTEMIS?

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Artemis Resources Limited (“Artemis” or “the Company”) (ASX: ARV) is pleased to provide this update on construction of the company’s 100% owned Radio Hill process plant.



Figure 1 – Gold Circuit Construction at Radio Hill

### HIGHLIGHTS

- Construction works commenced on 20<sup>th</sup> August 2018
- Tertiary crusher installation works complete
- Crushed product screen and conveyer modifications complete
- Thickener and flocculant plant foundations complete
- New High Voltage (HV) power corridor complete
- Gekko circuit installation complete
- Gold Room structure and cladding complete
- Milling and classification area works commenced
- Internal plant electrical works commenced
- TSF3 approval submission to be made in October
- Secondary equipment refurbishment and site surface infrastructure works continue

Artemis’ Chief Executive Officer, Wayne Bramwell, commented:

*“After the initial delay associated with approvals, the construction and refurbishment work associated with the gold circuit will be completed next quarter. The Installation of this gold circuit at Radio Hill is Stage 1 of our strategic plan and begins the process to expand the multi-metal capability of the Radio Hill Operations.”*

## OVERVIEW

### Radio Hill Construction and Refurbishment Update

The Radio Hill processing plant is 35 km from Karratha in the Pilbara region of Western Australia. This base metal flotation concentrator and associated infrastructure was built in 1988. Previous operators have invested more than \$60m between 1988 and 2002 (Fox Resources 2004 Annual Report). In September 2002, Fox Resources (Fox) acquired the process plant and underground mine and associated mining leases.

The 425,000 t flotation concentrator produced copper and nickel concentrates from the Whundo Copper Mine and the Radio Hill underground for export. In mid-2008 Fox placed the Radio Hill Operations on care and maintenance due to weakening copper price which saw US\$ copper prices fall to circa US\$3,000 by the end of 2008. In March 2017 Artemis Resources acquired the Radio Hill Operations, associated infrastructure and tenements from Fox for approximately \$4M in cash and Artemis shares (refer ASX 2 March 2017).

In November 2017 Artemis appointed Process 26 Engineers and Constructors ("Process 26" - [www.process26.com](http://www.process26.com)) to refurbish and upgrade the existing Radio Hill crushing and grinding circuits (announced 27 Nov 2017). Construction activities commenced on 20 August 2018 to upgrade the facility with the installation of additional crushing equipment, tailings dewatering facilities and a gold room. Gekko Systems ("Gekko" - [www.gekkos.com](http://www.gekkos.com)) were mobilised to install and commission the gravity gold extraction circuit.

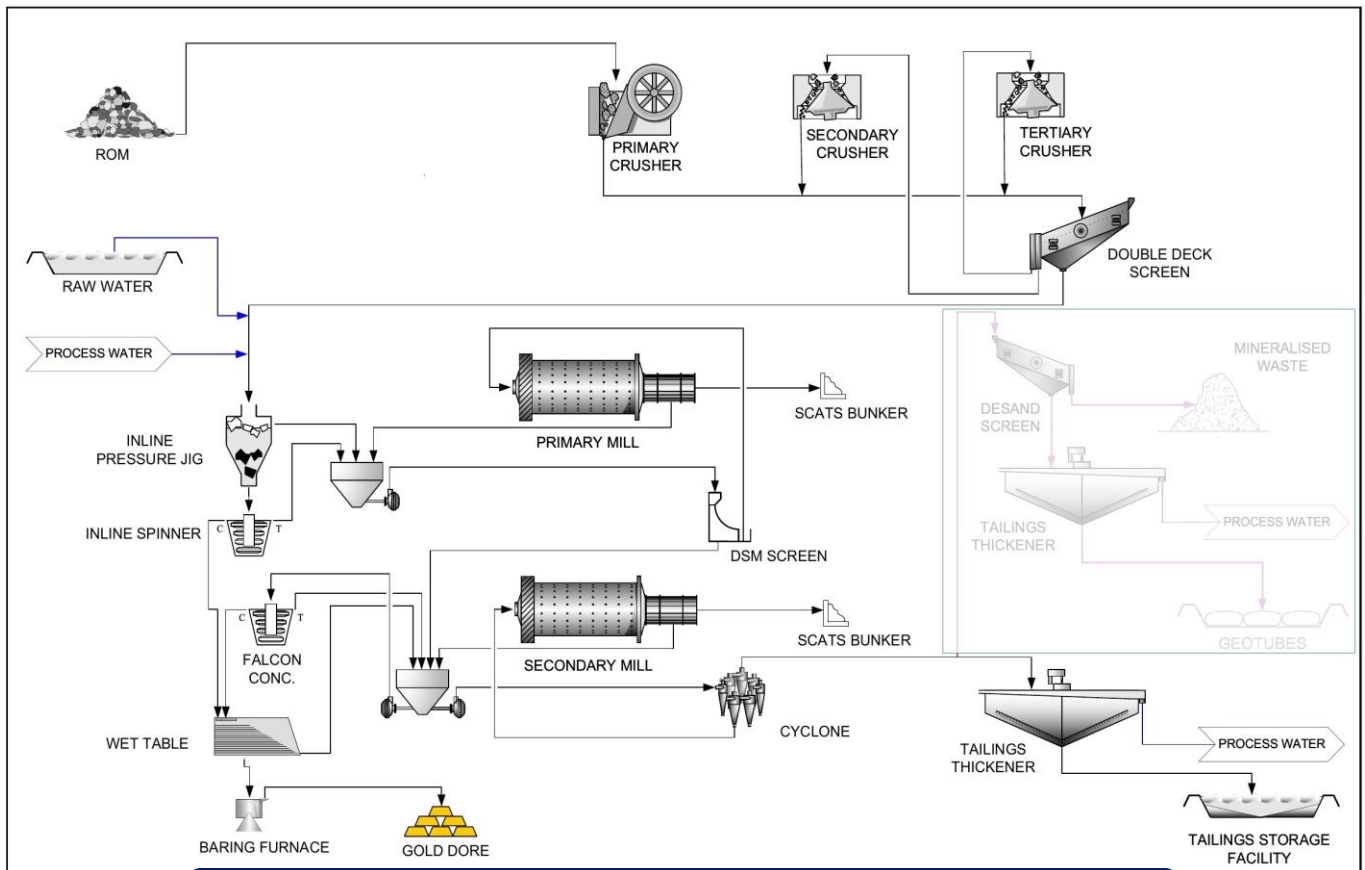
### Works Progress to date

Process 26 and Gekko have advanced the following:

- **Crushing circuit refurbishment program complete** - including ROM wall replacement, installation of refurbished primary and secondary crushers, conveyor belts, and vibrating screen.
- **Milling and Classification area** – steelwork, cyclone cluster and DSM screen installation has commenced.
- **Gekko gold circuit complete** – including installation of Inline Pressure Jig, Falcon, Inline Spinner and associated gold room equipment (refer **Figure 2**).
- **Gold room building** – structure and cladding complete and fit out continues with Gemini Table and Barring Furnace placed into position.
- **All slurry pumps have been overhauled** – and installation underway.
- **Thickener and flocculant plant** - foundations and ground slabs complete with thickener lifted into place.
- **High Voltage** – HV cables installed and awaiting termination.



**Figure 2 – Gravity Concentrator Tower**



**Figure 3 – Updated Stage 1 Flowsheet for Radio Hill including Gold Circuit**

## LOOKING FORWARD

The Stage 1 flowsheet for Radio Hill is depicted in **Figure 3**.

Process 26 construction teams continue to advance the mechanical installation in the milling and classification area, with particular focus on electrical connections and instrumentation. Electrical refurbishment and no load commissioning of the crushing, materials handling and grinding circuits will be completed next quarter with construction teams demobilising on completion. Artemis has approval to utilise geotubes under its existing operating licence and is currently finalising approval application documents for TSF3.

In parallel to construction activities Artemis continues to advance:

- TSF3 and TSF4 approval submissions;
- long term power supply options with Horizon Power and others;
- DMIRS approvals required for bulk sampling at several of its gold targets including Carlow Castle and Nickol River;
- resource updates on the Weeriana Au and Carlow Castle Au-Cu-Co Projects, and
- conversion of Carlow Castle and 47K Patch to a mining lease.

For further information on this update or the Company generally, please visit [www.artemisresources.com.au](http://www.artemisresources.com.au) or contact:

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## **BACKGROUND INFORMATION ON ARTEMIS RESOURCES**

Artemis Resources Limited is an exploration and development company focussed on its large ( $\approx 2,400$  km<sup>2</sup>) and prospective base, battery and precious metals assets in the Pilbara region of Western Australia.

Artemis owns 100% of the 500,000 tpa Radio Hill processing plant and infrastructure, located approximately 35 km south of the city of Karratha. The Company is evaluating 2004 and 2012 JORC Code compliant resources of gold, nickel, copper-cobalt, PGE's and zinc, all situated within a 40 km radius of the Radio Hill plant.

Artemis have signed Definitive Agreements with Novo Resources Corp. ("Novo"), which is listed on Canada's TSX Venture Exchange (TSXV:NVO), and pursuant to the Definitive Agreements, Novo has satisfied its expenditure commitment, and earned 50% of gold (and other minerals necessarily mined with gold) in conglomerate and/or paleoplacer style mineralization in Artemis' tenements within 100 km of the City of Karratha, including at Purdy's Reward ("the Gold Rights"). The Gold Rights do not include:

- (i) gold disclosed in Artemis' existing (at 18 May 2017) JORC Code Compliant Resources and Reserves; or
- (ii) gold which is not within conglomerate and/or paleoplacer style mineralization; or
- (iii) minerals other than gold.

Artemis' Mt Oscar tenement is excluded from the Definitive Agreements. The Definitive Agreements cover 36 tenements / tenement applications that are 100% owned by Artemis.

Pursuant to Novo's successful earn-in, two 50:50 joint ventures have been formed between Novo's subsidiary, Karratha Gold Pty Ltd ("Karratha Gold") and two subsidiaries of Artemis (KML No 2 Pty Ltd and Fox Radio Hill Pty Ltd). The joint ventures are managed as one by Karratha Gold with Artemis and Novo contributing to further exploration and any mining of the Gold Rights on a 50:50 basis.

## **FORWARD LOOKING STATEMENTS AND IMPORTANT NOTICE**

This report contains forecasts, projections and forward-looking information. Although the Company believes that its expectations, estimates and forecast outcomes are based on reasonable assumptions it can give no assurance that these will be achieved. Expectations, estimates and projections and information provided by the Company are not a guarantee of future performance and involve unknown risks and uncertainties, many of which are out of Artemis' control.

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