



ASX ANNOUNCEMENT

13 September 2019

Site Operations Update Roche Dure dewatering accelerating

Pumping continues at Roche Dure with Definitive Feasibility Study (“DFS”) fieldwork commencing.

HIGHLIGHTS:

- Newly purchased Sykes dewatering pump commissioned at Roche Dure Pit.
- Secondary hire pump employed to speed up dewatering and operational.
- Combined pumping reduced upper Roche Dure lake level by 75cm in 55 hours.
- Pit floor resource infill drilling programme being planned.
- Phase 2 Geotechnical program commissioned.
- Roche Dure pit floor drilling program planned.
- Possible plant and tailings dam sites being investigated.
- Environmental & Social Impact Assessment tenders received.

AVZ’s Managing Director, Mr. Nigel Ferguson said: “With the arrival of the Sykes low head, high discharge pump at Roche Dure, combined with the smaller spindle pump for localised deeper points in the pit floor, we have seen an acceleration of the dewatering rates at Roche Dure. With both pumps combined we were able to draw down the greatest surface area at the top of the water filled pit by 0.75 metres in 55 hours. As bathymetric work indicates the pit is a maximum of approximately 25 metres deep, we anticipate the pit may be emptied quicker than the 3 months initially anticipated.

Planning has therefore been finalised to drill a sufficient number of tonnes of the pit floor to ‘bank’ the project. This is estimated at 25 million tonnes of Inferred Resource within the pit floor being brought to a Measured Resource category.

Associated DFS field programs are being commenced and tenders have been received for the ESIA report which will be required to convert the Permit du Recherche into a Permit d’Exploitation. Further information will be disseminated to the market as it becomes available.”

AVZ Minerals Limited
Level 2, 8 Colin Street,
West Perth WA 6005
Australia

T: + 61 8 6117 9397

F: + 61 8 6118 2106

E: admin@avzminerals.com.au

W: www.avzminerals.com

ABN 81 125 176 703

Directors

Managing Director: Nigel Ferguson
Technical Director: Graeme Johnston
Non-Executive Director: Rhett Brans
Non-Executive Director: Hongliang Chen
Non-Executive Director: Peter Huljich

Market Cap

\$120 M

ASX Code: AVZ

AVZ Minerals Limited (ASX: AVZ) is pleased to advise that the DFS field program gains momentum with accelerated dewatering; engagement of geotechnical and hydrogeological consultants and studies now planned and commissioned; and the pit floor drilling programme being considered and tendered to several local DRC based drilling companies. Tenders have also been received from three DRC based environmental consultancy groups for the important Environmental and Social Impact Assessment Study (ESIA) which will generate such items as the long term Environmental Management Plan, the Surface Water Management Plan and the Social Development programme, that will be managed by the AVZ Foundation for the benefit of the Manono town residents .

Roche Dure dewatering program

A five tonne Allight Sykes CP300 high volume dewatering pump was commissioned at Roche Dure early in September 2019 (*Figures 1 and 2*), with almost immediate results on reduction of the water level at Roche Dure. This pump has been combined with a pontoon based spindle pump, which can be maneuvered over deeper ‘holes’ in the pit floor to ensure that there are no flooded, pit floor depressions that will come to light as the water level drops further (*Figure 3*).



Figure 1. Sykes pump to right, spindle pump on the pontoon left



Figure 2. Pumping operations at the NE end of Roche Dure near the historical sump pump



Figure 3. Sediments being exposed as water levels drop at Roche Dure

Phase 2 Geotechnical programme

Johannesburg based geotechnical company, Middindi Consulting (Pty) Limited, has been awarded the Phase 2 geotechnical contract to collect DFS level information to assist in the appraisal of wall angles required for the final mine design. Field studies will require mapping of hanging-wall overburden, along with specialist mapping of pegmatitic outcrops, exposed near the current pit edges as well as in the soon to be exposed pit walls. Drilling of specialised orientated drillholes for statistical analyses of discontinuities and to collect samples for a suite of rock strength tests will be carried out in the last quarter of 2019.

In August 2019, Mr. Chris Lane of Land & Marine Geological Services Pty Ltd, visited the site to appraise potential plant and tailings sites. He reported back to the company recently and the information received has been very encouraging in the initial reconnaissance of various sites for the possible location of a new processing plant and tailings facilities for a minimum of 20-year mine life. This work will continue into the last quarter of calendar 2019 and is being driven by GRES Engineering as they strive to optimise the location of the new processing facilities under the guidance of AVZ Minerals.

For further information, visit www.avzminerals.com.au or contact:

Mr. Leonard Math
Company Secretary
AVZ Minerals Limited
Phone: +61 8 6117 9397
Email: admin@avzminerals.com.au

Media Enquiries:
Mr. Peter Harris
Peter Harris & Associates
Phone: +61 (0) 412 124 833

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