

30 April 2018

## March 2018 Quarterly Report

### Key highlights for the quarter

- **Definitive Feasibility Study (DFS) for the Owendale scandium project commenced with Ausenco providing engineering support**
- **Preparations for the continuous pilot testing of the process to recover scandium from the Owendale ore completed**
- **Significant progress made to secure a suitable site at Condobolin for the processing of ore as part of the Owendale scandium project**
- **Consultation meetings held with local communities close to proposed mine site and process plant site**
- **Progressing discussions with regulatory authorities in NSW to secure all relevant permits in support of the Owendale scandium project**

Platina Resources Limited (“Platina” or the “Company”, ASX: PGM) is pleased to report its activities for the quarter ending 31 March 2018 (“March Quarter”).

During the March Quarter, Platina has progressed with the Definitive Feasibility Study (“DFS”) and Environmental Impact Study (“EIS”) at its 100%-owned Owendale scandium-cobalt-nickel-platinum project located 7km from Clean Teq’s (ASX: CLQ) analogous Sunrise deposit in central NSW, Australia.

### Platina Executive Director, Chris Hartley, commented:

*“The Platina team completed the work required to set us up for success as we move into the execution of the continuous pilot testing of the flowsheet for the Owendale project. The results from that will be critical inputs into the DFS that we have also commenced this Quarter. We are very pleased to be working with Ausenco on the DFS and SGS for the pilot plant, as they both have strong teams to support us.”*

*“Our community consultation meetings in NSW provided support for our strategy to design and build the Owendale operations on a scale that fits with the existing activities in the local area. We received positive feedback on our approach to restrict disturbance at the mine site area and to develop a process plant on a currently disused industrial site. This will minimise our impact on infrastructure in the local area, where resources such as water and electrical power are at a premium.”*

*“The choice of the site for the process plant at a disused industrial site has presented some challenges in terms of understanding the history of this site and its many uses over the years. Our studies in cooperation with the local authority have demonstrated that the issues identified can be resolved. This site will provide a great opportunity to provide employment in the area, bringing the site back into productive use.”*

*“We have also progressed well with our search to identify a new CEO for the company and expect to make an announcement in May on the appointment.”*

### Pilot Plant test at SGS Perth

A 6t sample of material from the Owendale project was shipped to SGS in Perth. This material was blended from existing drill core to be representative of the first 5 years production from the mine plan. The drill core had been stored in sealed drums to preserve its integrity. The composition of the material is shown in Table 1.

**Table 1: Composition of Owendale ore sample for pilot test**

<b>Sc, ppm</b>	<b>Ni, %</b>	<b>Co, %</b>
587	0.099	0.082

The continuous pilot testing at SGS in Perth commenced on 16<sup>th</sup> April and will be completed in early May 2018. The pilot test is designed to provide:

- Validation of the process route developed from the bench scale testwork;
- Data to develop the parameters for design of unit processes during the DFS;
- Samples of refined product for testwork by potential customers;
- Samples of residues for characterisation in permitting for disposal processes;
- Identification of any potential build up of deleterious elements in the process circuit.

The autoclave pilot plant at SGS will be configured for the conditions identified in bench scale test work as optimal to extract the scandium from the Owendale ore.

The autoclave discharge will be thickened and clarified to produce a pregnant leach solution (“PLS”) and a filter cake that will be used to determine the properties of the final residue for disposal. A specialist third party technology supplier will provide a pilot filter unit to test the dewatering and cake handling of this material.

The PLS produced will be treated by two solvent extraction processes, each managed by a third party technology provider, to determine the most effective method of recovering the scandium. Final refining of the impure intermediate scandium concentrate will be undertaken by the technology providers to produce samples of refined scandium oxide (Sc<sub>2</sub>O<sub>3</sub>) for testing by potential customers.

Platina will report the results from the continuous pilot testing mid -year once the analysis of the data generated has been completed.

### Definitive Feasibility Study

During the quarter, Platina announced it had awarded a contract to Ausenco to assist Platina in completing a DFS on the Owendale project. Ausenco will also coordinate the preparation of the final DFS report, ensuring that this covers all aspects of the project required to advance it towards the implementation phase.

Platina’s in-house team will be assisted by third party consultants from ATC Williams, R.W. Corkery and other specialists for mining, marketing and financing.

The final report will be delivered in Q4 2018 to provide the analysis of the feasibility of a small-scale scandium oxide operation that can be debottlenecked and expanded as the market for this material develops. The study will consider options available to provide a robust, flexible operation capable of producing high quality product meeting demands from potential customers.

### Process plant location

The Owendale resource is located in an area that is used largely for agriculture and where water and other infrastructure are at a premium. The small scale of the initial operation allows ore to be transported to a remote site for processing.

A disused industrial site has been identified close to Condobolin, located approximately 70km from the proposed mine, where infrastructure is available to provide power and water. This site has been used for a number of purposes since the prime industrial use was decommissioned about 30 years ago. A number of surveys have been undertaken during the quarter with the full cooperation of the current owners to identify and remedy issues relating to ground contamination. It is expected that this work will be completed in the June quarter allowing the issuance of a clearance certificate and the execution of a lease agreement with an option to purchase the site by Platina.

### Environmental studies

In March, Platina presented the Conceptual Project Development Plan (“CPDP”) for the project to the NSW Department of Planning and Environment and the Preliminary Environmental Assessment (“PEA”). Platina also hosted a broad consultation session with representatives from a number of federal and state regulatory bodies, which included site visits to both the mine and process plant sites. Feedback from attendees was generally positive, particularly with regard to the proposed use of an existing disused industrial site and the focus by Platina on minimising impact on infrastructure at both locations.

Monitoring of parameters required to develop the baseline data for the mine site has continued. It is expected that the program to gather the data on water, noise, dust and traffic will be completed in 2018 to allow submission of the full Environmental Impact Study (“EIS”) shortly thereafter.

Two community consultation meetings were held in early March in Tullamore, close to the proposed mine site and in Condobolin where the process plant is proposed to be located. Platina will continue to interact with the local community and address any concerns in the studies to ensure minimal impact to residents in each area.

A clear focus for Platina is to position itself as the premier new-tech metals producer on the ASX by developing its Owendale project. Platina’s Board of Directors and management team have investigated the cobalt potential at Owendale. The current mine plan allows for production of mixed Ni/Co by-product from the core scandium operation.

### Recruitment of CEO

An executive search company has been retained to identify candidates for the role of CEO at Platina. The search has progressed to the stage of screening possible candidates to develop a short list for interview by the Board. The interviews have taken place and a preferred candidate has been identified.

It is expected that an announcement of the appointment of the new CEO will be made in May 2018.

### Events subsequent to the close of the Quarter

Mr John Anderson agreed to join Platina as a Non-Executive Director. Mr Anderson’s appointment complements the current Board of Directors ahead of finalisation of the appointment of a new CEO as mentioned above.

Mr Anderson recently retired from Santos Limited where he was a senior executive for more than twelve years which included roles leading strategic projects, business development, mergers and acquisitions, commercial and marketing and trading. Mr Anderson also had roles leading two of Santos’ business units, in Western Australia and the Northern Territory and in Asia Pacific in which he was accountable for all activities from exploration through to development, operations and sales.

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The information in this report that relates to the Mineral Resources and Ore Reserves were last reported by the Company in compliance with the 2012 Edition of the JORC Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves in market releases dated as follows:

- Owendale Maiden Scandium and Cobalt Reserve – 13 September 2017
- Owendale Measured, Indicated and Inferred Mineral Resource – 9 August 2017
- Platina delivers positive pre-feasibility study (PFS announcement) for the Owendale Scandium and Cobalt Project – 10 July 2017

The Company confirms that it is not aware of any new information or data that materially affects the information included in the market announcements referred above and further confirms that all material assumptions underpinning the production targets and all material assumptions and technical parameters underpinning the ore reserve and mineral resource estimates contained in those market releases continue to apply and have not materially changed.

Statements regarding Platina Resources' plans with respect to its mineral properties are forward-looking statements. There can be no assurance that Platina Resources' plans for development of its mineral properties will proceed as currently expected. There can also be no assurance that Platina Resources' will be able to confirm the presence of additional mineral deposits, that any mineralisation will prove to be economic or that a mine will successfully be developed on any of Platina Resources' mineral properties.

## DISCLOSURES REQUIRED UNDER ASX LISTING RULE 5.3.3

### 1. Mining tenements held at the end of the quarter and their location

Tenement ID	Area	Location	Ownership	% Ownership
M47/123	Munni Munni	WA, Australia	PGM	100*
M47/124	Munni Munni	WA, Australia	PGM	100*
M47/125	Munni Munni	WA, Australia	PGM	100*
M47/126	Munni Munni	WA, Australia	PGM	100*
EL7644	Owendale	NSW, Australia	PGM	100
EL2007/01	Skaergaard	Greenland	PGM	100
EL2012/25	Qialivarteerpik	Greenland	PGM	100
EL8672	Condobolin	NSW, Australia	PGM	100

\*See note 3 below

### 2. Mining tenements acquired and disposed of during the quarter and their location

Nil

### 3. Beneficial percentage interests held in farm-in or farm-out agreements at end of the quarter and beneficial percentage interests in farm-in or farm-out agreements acquired or disposed of during the quarter

In August 2015, Platina Resources Limited entered into an agreement with Artemis Resources Limited to earn a 70% interest in the Munni Munni Platinum Group Elements Project, comprising M47/123, 124, 125, 126 (the "Munni Munni Project").

The Company is not party to any other farm-in or farm-out agreements.

#### Abbreviations and Definitions:

EL	Exploration License	PGE	Platinum Group Elements
M	Mining Lease	PGM	Platina Resources Ltd
Co	Cobalt		
Sc	Scandium		