

ASX Release
4 October 2017

QUARTERLY ACTIVITIES REPORT FOR PERIOD ENDING 30 SEPTEMBER 2017

Highlights

Mackay SOP Project

- New tenement applications expand the Company's on-lake tenure to over 2,600km² and consolidate control of Lake Mackay in Western Australia
- Pre-Feasibility Study commenced with Advisian appointed as engineer and study manager
- On-lake trench excavation and long-term pump testing for brine extraction continues
- Off-lake drilling and bore installations to test for process and potable water completed
- Heritage surveys in relation to a Mining Agreement concluded

Corporate

- Cash balance was \$11.4 million at 30 September 2017

Agrimin Limited (ASX: AMN) ("Agrimin" or "the Company") is pleased to report its activities for the quarter ending 30 September 2017.

Mackay SOP Project – Western Australia (100% owned)

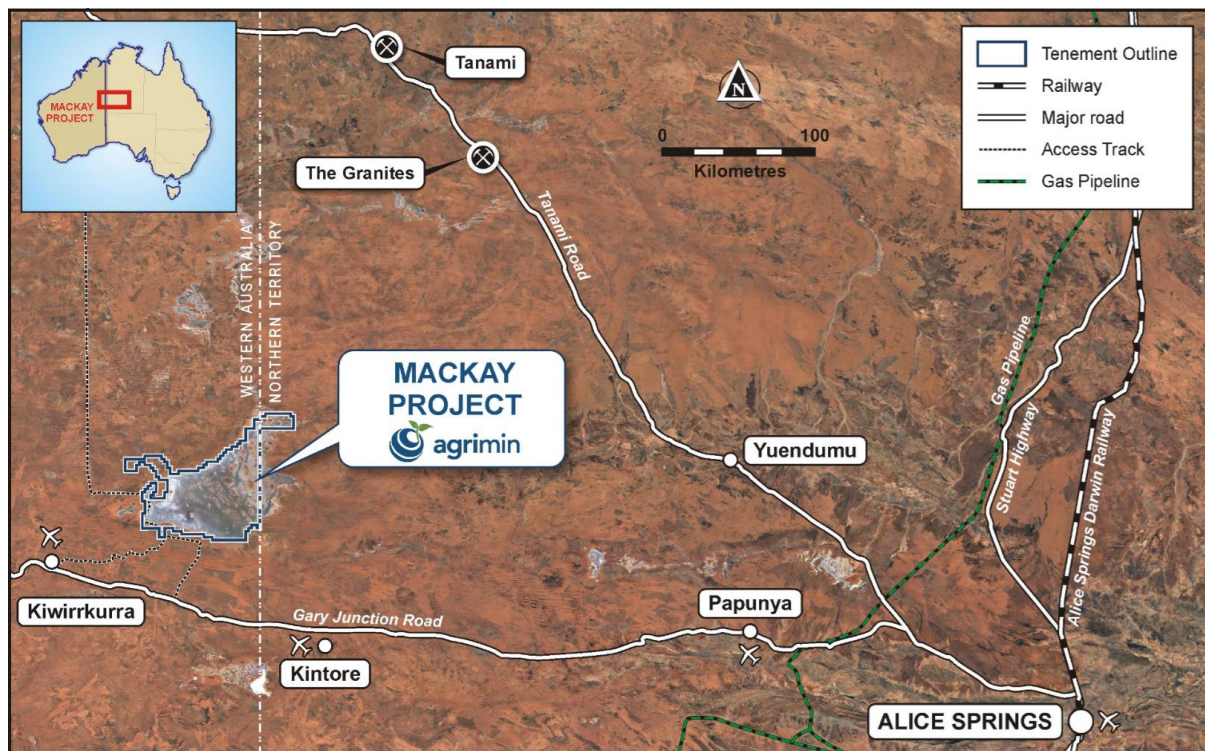
The Mackay Sulphate of Potash ("SOP") Project is 100% owned by Agrimin and covers a tenement area of 3,325km² in Western Australia, including 2,621km² of on-lake tenure (**Figure 1**).

Lake Mackay is the largest known SOP-bearing salt lake in Australia and is the low point of an enormous groundwater and surface water catchment area that is approximately 87,000km². The lakebed itself covers an area of approximately 3,500km² and measures approximately 100km east-west and north-south. The lakebed is comparable to the lakebed areas at two major sources of SOP production, being the 4,400km² Great Salt Lake in the USA and the 5,500km² Lop Nur (Luobupo operation) in China.

Lake Mackay’s hydrogeological setting and significant size provide important attributes that support the development of a world-class salt lake operation. The Project currently has Indicated Mineral Resources of 4.3 million tonnes and Inferred Mineral Resources of 18.9 million tonnes of SOP based on specific yield. Current Mineral Resources are hosted by a single contiguous deposit covering an on-lake area of 2,201km² with brine commencing approximately 40cm below surface across the entire deposit area. The deepest drill hole on Lake Mackay has been drilled to only 30m below surface with the deposit remaining open below this depth.

During the quarter, the Company announced new applications for three Exploration Licences and two Miscellaneous Licences. The Mackay SOP Project now comprises nine Exploration Licences which cover a total on-lake area of 2,621km². Areas within the new Exploration Licence applications were subject to historical drilling in 2011 and 2014. Based on publicly released results, the static water level was estimated to be 30cm below surface and the brine chemistry was reportedly similar to that contained in Agrimin’s Mineral Resources.

Figure 1. Location Map



Agrimin completed a Scoping Study for the Mackay SOP Project in August 2016. The Study indicated SOP production of 370,000 tonnes per year over a 20 year life at an average total cash cost of US\$256/t FOB (inclusive of road, rail and port costs)¹.

SOP production begins with pumping brine from trenches into a series of solar evaporation ponds. The Scoping Study incorporates brine extraction exclusively from trenches to a depth of only 5.5m into the lakebed. It is planned to harvest the crystallised Potassium salts from the ponds and feed them into the process plant. The process route is conventional and will comprise crushing, flotation, decomposition, SOP conversion, drying and sizing.

¹ Refer to the ASX Release dated 23 August 2016 for full Scoping Study details. All material assumptions underpinning the production target and forecast financial information derived from the production target continue to apply and have not materially changed.

The SOP products are planned to be transported in bulk by road trains to a rail load-out located in Alice Springs and then railed to a port for shipment.

Pre-Feasibility Study

During the quarter, Agrimin's owners team and consultants continued to progress the supporting studies for the Pre-Feasibility Study ("PFS"). In July 2017, Advisian was appointed as the PFS engineer and project manager.

Hydrogeological Studies

The Company has mobilised a 25 tonne amphibious excavator on the lake to construct 20 pilot trenches with average dimensions of 100m long and 5m deep. Excavation continues, with a total of ten trenches completed during the quarter.

Long-term pump testing of trenches is underway to allow the Company to improve confidence in key assumptions underpinning the hydrogeological model and brine recovery rates that will form the basis of a Definitive Feasibility Study ("DFS"). In the shorter term, initial results from this pump testing program are being incorporated into the updated Mineral Resources and the PFS.

An infill core drilling program has closed the drill spacing across the deposit to an approximate 5km grid, with closer spaced transect drilling conducted in specific areas to assess short range variability. The 20 planned trench sites are widely distributed across the lake and are designed to be representative of the geological and hydrogeological conditions expected to be encountered across the deposit.

The Company continued to progress a number of other related activities during the quarter, including a ground-based geophysical survey and data collection from long-term groundwater loggers previously installed in 2015 and 2016.

A trial of over 50 line kilometres of passive seismic (Tromino) system survey work was also undertaken to assess bedrock topography and identify basement structures (i.e. palaeochannels) which could represent further potential sources of Potassium rich brines. The deepest drill hole on Lake Mackay has been drilled to only 30m below surface with the deposit remaining open below this depth. The Company was encouraged by the initial results from the broadly spaced passive seismic survey work and is currently refining plans for an expanded survey effort.

Geotechnical Studies

Geotechnical testwork and studies have been completed for proposed locations for the large-scale solar evaporation ponds. Agrimin's geotechnical consultants at Knight Piesold have provided critical design assumptions for incorporation into the PFS. The outcomes have confirmed the natural lakebed surface has suitable geotechnical conditions for the application of un-lined ponds and for the planned cut-to-fill construction method for pond walls.

Several different trench designs have been trialled during the excavation of pilot trenches. This has provided valuable geotechnical information in relation to the long-term stability and operation of the trenches and is being incorporated into the PFS.

Process Water Studies

During the quarter, the Company completed a water exploration drilling program to the south of Lake Mackay in order to assess off-lake aquifers for supply of process and potable water for the Company's proposed SOP operation. Drilling was completed at five locations with monitoring bores installed at all drilling locations and test production bores installed at two sites.

Two distinct aquifer units were present in most drill holes. Firstly, a silcrete zone starting at approximately 35m depth yielded airlift flows of 1 to 3 litres per second ("l/sec"). Secondly, a sequence consisting of unconsolidated sands between 60m to 100m depth yielded airlift flows of 5 to 7 l/sec. These airlift yields are only an initial indicator of potential aquifer yields.

Initial field measurements suggested water quality ranges from 2,700 to 80,000 mg/l of total dissolved salts (fresh to saline), with quality appearing to improve as drilling stepped away from Lake Mackay. Water samples have been submitted to a laboratory in Perth for analysis.

The Company is encouraged by the initial results and further hydrogeological investigations (aquifer testing) will provide additional information required to determine long-term sustainable aquifer yields.

Evaporation Trials and Process Studies

During the quarter, the Company neared conclusion of PFS phase evaporation trials and process testwork. This work was undertaken at the Saskatchewan Research Council and has been incorporated into the pond system design and process flowsheets for the PFS.

In addition, the detailed design has now been completed for the pilot evaporation trial at site to support a DFS. Approvals for the pilot trial are in progress and construction of the evaporation ponds is scheduled to commence in Q4-2017.

Native Title

During the quarter, negotiations continued in relation to a Mining Agreement between Agrimin and Tjamu Tjamu (Aboriginal Corporation) RNTBC, the Native Title representative body for the Kiwirrkurra people. Also during the quarter, Tjamu Tjamu's anthropologists continued an extensive program of ethnographic fieldwork.

Environmental Studies

During the quarter, reporting was finalised for a wide range of environmental surveys which were previously undertaken. Various environment studies are ongoing and Agrimin continues to engage extensively with key authorities and stakeholders as part of ongoing consultation and approvals processes. Agrimin has planned its next round of environmental surveys to occur in Q4-2017 with assistance from the Kiwirrkurra IPA rangers.

Corporate Activities

Share Issues

No ordinary shares or other securities were issued by the Company during the quarter.

Business Development

Various business development opportunities are continually under consideration, with all opportunities being assessed in context of the Company's current strategic goals and risk profile.

Tenement Interests

Table 1. Schedule of Tenement Interests as at 30 September 2017

Tenement Ref.	Project	Holder	State	Status	Interest
Exploration Licences					
E80/4887	Mackay SOP	Agrimin Potash Pty Ltd	W.A.	Granted	100%
E80/4888	Mackay SOP	Agrimin Potash Pty Ltd	W.A.	Granted	100%
E80/4889	Mackay SOP	Agrimin Potash Pty Ltd	W.A.	Granted	100%
E80/4890	Mackay SOP	Agrimin Potash Pty Ltd	W.A.	Granted	100%
E80/4893	Mackay SOP	Agrimin Potash Pty Ltd	W.A.	Granted	100%
E80/4995	Mackay SOP	Agrimin Potash Pty Ltd	W.A.	Granted	100%
E80/5055	Mackay SOP	Agrimin Potash Pty Ltd	W.A.	Granted	100%
E80/5108	Mackay SOP	Agrimin Potash Pty Ltd	W.A.	Application	100%
E80/5124	Mackay SOP	Agrimin Potash Pty Ltd	W.A.	Application	100%
EL30651	Mackay SOP	Agrimin Limited	N.T.	Application	100%
Miscellaneous Licences					
L80/87	Mackay SOP	Agrimin Potash Pty Ltd	W.A.	Granted	100%
L80/88	Mackay SOP	Agrimin Potash Pty Ltd	W.A.	Granted	100%
L80/89	Mackay SOP	Agrimin Potash Pty Ltd	W.A.	Application	100%

ENDS

Contacts

Investor Relations:

Mark Savich
 Chief Executive Officer
 T: +61 402 746 757
 E: msavich@agrimin.com.au

Media:

Michael Vaughan
 Fivemark Partners
 T: +61 422 602 720
 E: michael.vaughan@fivemark.com.au

Or visit our website at www.agrimin.com.au

About Agrimin

Based in Perth, Agrimin Limited is a leading fertilizer development company focused on the development of its 100% owned Mackay SOP Project. The Project is situated on Lake Mackay in Western Australia, the largest undeveloped SOP-bearing salt lake in the world. Agrimin is aiming to be a global supplier of high quality SOP fertilizer to both traditional and emerging value-added markets. Agrimin Limited's shares are traded on the Australian Stock Exchange (ASX: AMN).

Forward-Looking Statements

This ASX Release may contain certain “forward-looking statements” which may be based on forward-looking information that are subject to a number of known and unknown risks, uncertainties, and other factors that may cause actual results to differ materially from those presented here. Where the Company expresses or implies an expectation or belief as to future events or results, such expectation or belief is expressed in good faith and believed to have a reasonable basis. Forward-looking information includes exchange rates; the proposed production plan; projected brine concentrations and recovery rates; uncertainties and risks regarding the estimated capital and operating costs; uncertainties and risks regarding the development timeline, including the need to obtain the necessary approvals. For a more detailed discussion of such risks and other factors, see the Company’s Annual Reports, as well as the Company’s other ASX Releases. Readers should not place undue reliance on forward-looking information. The Company does not undertake any obligation to release publicly any revisions to any forward-looking statement to reflect events or circumstances after the date of this ASX Release, or to reflect the occurrence of unanticipated events, except as may be required under applicable securities laws.

Competent Person’s Statements

The information in this ASX Release that relates to exploration results, Mineral Resources Estimates and Scoping Study results are extracted from the relevant ASX Releases and are available on www.asx.com.au and Company’s website on www.agrimin.com.au. The Company confirms that it is not aware of any new information or data that materially affects the information included in the previous ASX Releases and, in the case of the Mineral Resources, that all material assumptions and technical parameters underpinning the estimates in the ASX Release on 15 December 2015 continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Person’s findings are presented have not been materially modified from the previous ASX Releases.