Agrimin Limited | ABN 15 122 162 396
ASX Code: AMN
2C Loch Street
Nedlands, Western Australia 6009
T: +61 8 9389 5363
E: admin@agrimin.com.au | W: www.agrimin.com.au

ASX Release
30 October 2020

QUARTERLY ACTIVITIES REPORT FOR PERIOD ENDING 30 SEPTEMBER 2020

Highlights

Mackay Potash Project

- **Completion of the Definitive Feasibility Study highlighted outstanding economics:**
  - **Globally significant production rate of 450ktpa of Sulphate of Potash ("SOP") for an initial 40 year mine life**
  - **World's lowest forecast cost of production at a total cash cost of US$159/t FOB**
  - **Post-tax $NPV_{8,\,real}$ of US$655 million and post-tax IRR of 21%**
  - **Annual EBITDA forecast of US$145 million and EBITDA margin of 66%**
  - **Maiden Ore Reserve of 20Mt of SOP**
- **Product marketing and project funding activities progressed with strong engagement from multiple international fertiliser companies following delivery of the Definitive Feasibility Study**
- **Environmental Impact Assessment progressed with the Environmental Protection Authority approving and releasing the Environmental Scoping Document**

Corporate

- **Cash balance of $3.2 million at 30 September 2020, with a R&D tax refund due next quarter**

Agrimin Limited (**ASX: AMN**) ("**Agrimin**" or "**the Company**") is pleased to report its activities for the quarter ending 30 September 2020. Full details of the Definitive Feasibility Study ("**DFS**") for the Mackay Potash Project were provided in the Company's ASX Release on 20 July 2020.

Cautionary Statement: The DFS mine plan and production target contains 93% Ore Reserve and 7% Inferred Mineral Resource. There is a low level of geological confidence associated with the Inferred Mineral Resource and there is no certainty that further exploration work will result in the conversion to an Ore Reserve or that the production target itself will be realised.

Mackay Potash Project – Western Australia (100% owned)

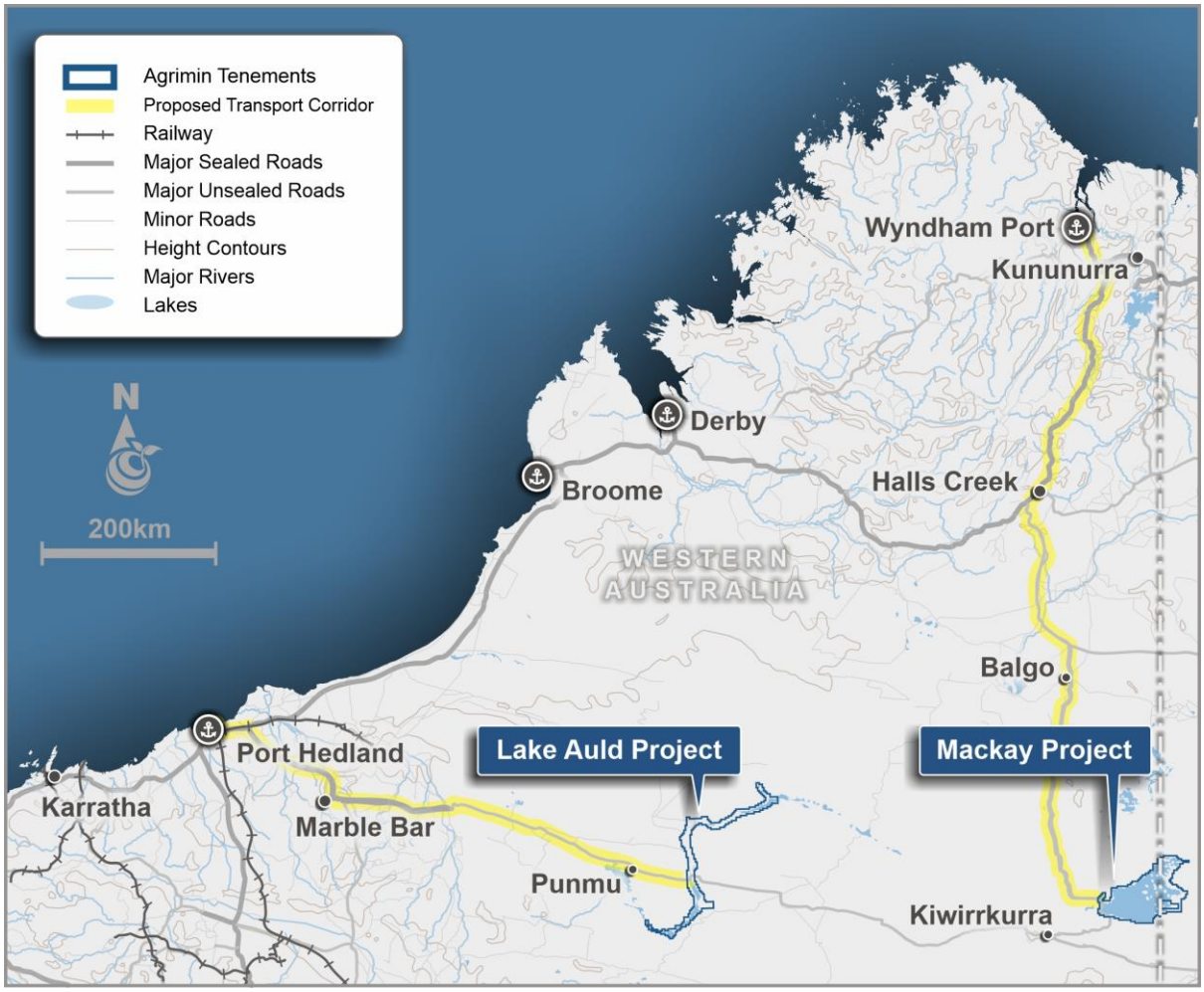
Agrimin's vision is to establish the Mackay Potash Project as the world's leading seaborne supplier of SOP fertiliser, to develop the project with sustainability principles at its core and to empower local Indigenous communities throughout the project's long life.

The Mackay Potash Project is situated on Lake Mackay in Western Australia, the largest undeveloped potash-bearing salt lake in the world. Lake Mackay hosts significant volumes of brine (hypersaline groundwater) containing dissolved potassium and sulphur which can produce high-grade, water-soluble SOP fertiliser. SOP has a low salt index and is virtually chloride-free, making it ideal for use on high value crops such as fruits and vegetables.

The project is located 941km by road south of the Wyndham Port, Western Australia (**Figure 1**). It comprises nine granted Exploration Licences covering 3,057km^2 in Western Australia and three Exploration Licence applications covering 1,240km^2 in the Northern Territory.

The closest community to the project is Kiwirrkurra which is located approximately 60km south-west. A Native Title Agreement is in place and provides the necessary consents for the project's development and operations.

Figure 1. Project Location Map



Definitive Feasibility Study Results

The DFS for the Mackay Potash Project was completed during the quarter, marking a significant milestone for the Company. Full details of the DFS results were provided in the Company's ASX Release on 20 July 2020. The DFS was completed by an integrated owners team, supported by best-in-class consultants and contractors who provided expertise across all study disciplines. The DFS was prepared to an AACE Class 3 standard with a -15% to +20% level of accuracy.

The DFS demonstrated the project's globally significant scale and that once in operation it would be the world's lowest cost source of seaborne SOP. The project also offers excellent potential to expand over time to meet the expected growth in demand for SOP.

The DFS development plan is based on the sustainable extraction of brine from Lake Mackay using a network of shallow trenches. Brine will be transferred along trenches into a series of solar evaporation ponds located on the salt lake's surface. Raw potash salts will crystallise on the floors of the ponds and will be collected by wet harvesters. Harvested salts will be pumped as a slurry to the processing plant located off the edge of the salt lake. The processing plant will be operated by a fly-in fly-out workforce and powered by a hybrid gas, solar, wind and battery solution. Process and potable water will be supplied from a borefield installed to the south of the salt lake.

The processing plant at Lake Mackay will produce high quality finished SOP fertiliser ready for direct use by customers. SOP will be hauled by a fleet of purpose-built road trains to a dedicated storage facility at Wyndham Port. At the port, SOP will be loaded via an integrated barge loading facility for shipment to customers.

The DFS returned the following key outcomes for the first stage of production, based on a flat SOP price of US$500/t FOB (Wyndham Port):

- Post-tax $NPV_{8,\,real}$ of US$655 million and post-tax IRR of 21%;
- Production rate of 450ktpa;
- Initial 40 year mine life;
- Total cash cost of US$159/t FOB (Wyndham Port);
- Capital cost of US$415 million, including contingency; and
- Annual EBITDA forecast of US$145 million and EBITDA margin of 66%.

The Company has completed extensive pilot testing since 2017 and has produced SOP samples with high-grade product specifications of >53% K_2O.

During the DFS, a long-term pilot evaporation trial was operated on Lake Mackay from October 2018 to June 2020 which involved a 3,000m² pond system run as a constant flow operation with brines being transferred through the ponds under a daily transfer regime. This industry-leading trial captured more than a full annual cycle of operating data and successfully validated the DFS pond model and process assumptions. This pilot trial was a major de-risking milestone for the project.

The pilot trial included the production and harvesting of more than 50t of raw potash salt at grades of up to 12% K_2O. The potash salts have undergone pilot processing tests to produce larger quantities of SOP samples within the Company's targeted product specifications and have been supplied to potential offtake parties and project partners.

The project's development, as contemplated in the DFS, also encompasses a strategic mine-to-ship logistics chain ensuring it remains scalable and successful over its multi-decade life. This includes the development of key road and port infrastructure, along with a joint venture alliance with a proven bulk logistics operator to provide critical product haulage capability.

Agrimin's commitment to a sustainable and ESG-friendly development was embodied throughout the DFS and the project will deliver on a number of metrics, including:

- Strong engagement with Indigenous people and Traditional Owners, as well as support for important land management and community programs;
- Significant commitment to training and employment opportunities for Indigenous people, particularly in relation to the road haulage operation;
- High renewable energy penetration to deliver very low scope 1 and 2 emissions along with one of the lowest carbon footprints associated with any macro-nutrient fertiliser product; and
- Creation of critical new seaborne SOP supply to help developing countries achieve their food security goals, especially with respect to increasing demand for high value crops such as fruits, vegetables, tree nuts and grape-vines.

As outlined in the DFS, full-scale project construction is planned to commence upon the completion of permitting and project funding. A program of early works is scheduled to occur in the six months prior to construction and will focus on site preparation and the procurement of time-critical equipment for construction of the brine extraction trenches and solar evaporation ponds. First SOP production is expected approximately 2.5 years after the commencement of construction.

The project's strong economic returns and premium SOP product quality will underpin the next phase of development which includes:

- Product marketing and off-take agreements;
- Project funding and strategic partnerships;
- Front End Engineering and Design;
- Execution planning and contracting;
- Environmental approvals; and
- Mining tenements and secondary approvals.

Mineral Resource Estimate & Ore Reserve

An updated Mineral Resource estimate for the Mackay Potash Project was reported in January 2020[1]. This was the culmination of several years of data collection, including long-term data acquired from the Company's industry-leading trench pump testing program carried out across Lake Mackay between August 2017 and July 2019.

The drainable porosity (or specific yield) Mineral Resource contains 123Mt of SOP to a maximum depth of 211m (**Table 1**). This drainable porosity Mineral Resource represents the static free-draining portion of the total porosity Mineral Resource prior to extraction. It does not take into account the impact of any groundwater

[1] Refer to the ASX Release on 20 January 2020 for full Mineral Resource estimate details. All material assumptions and technical parameters underpinning the Mineral Resource estimate continue to apply and have not materially changed.

recharge or solute transport which increases the amount of extractable brine above the static free-draining component over time.

The total porosity Mineral Resource contains 1,096Mt of SOP to a maximum depth of 211m. A portion of the total porosity Mineral Resource, in addition to the drainable porosity Mineral Resource, is considered to be extractable dependent on the transient groundwater flow and transport conditions affecting the Mineral Resource during extraction, along with the active rainfall and runoff recharge regime within the salt lake system. This recharge is particularly relevant to the upper zones of the Mineral Resource and has been assessed as a component of the dynamic hydrogeological modelling which was used to determine the Ore Reserve and DFS mine plan. Accordingly, the potassium grade of the Mineral Resource is effectively the starting grade of the mine plan and is not directly comparable to the life of mine grade determined for the Ore Reserve.

Table 1. Mineral Resource Estimate

Classification	Aquifer Volume (Mm^3)	Total Porosity		Drainable Porosity	
		K (mg/L)	SOP (Mt)	K (mg/L)	SOP (Mt)
Measured	4,621	3,473	16.5	3,473	3.9
Indicated	43,784	3,501	144.6	3,527	19.5
Measured & Indicated	**48,405**	**3,498**	**161.1**	**3,509**	**23.5**
Inferred	304,641	3,323	934.6	3,232	99.9
Total	**353,046**	**3,349**	**1,095.7**	**3,285**	**123.4**

During the quarter, the Company released a maiden Ore Reserve as part of the DFS for the Mackay Potash Project[2]. The Ore Reserve and DFS mine plan were determined based on the outputs of detailed numerical modelling simulations for brine extraction via surface trenches with a modelled drawdown depth of up to 3.0m below ground surface.

The mine plan is predicted to deliver a constant brine feed containing 540ktpa of SOP into the evaporation ponds for a 40 year mine life, totalling the extraction of 21.6Mt of SOP. The Ore Reserve is based on the 20.0Mt of SOP that is predicted to be extracted from the Measured and Indicated Mineral Resource categories under the mine plan (**Table 2**). In addition, 1.6Mt of SOP will be extracted from the Inferred Mineral Resource category. Accordingly, the DFS mine plan and production target contains 93% Ore Reserve and 7% Inferred Mineral Resource (refer to the Cautionary Statement on the front page of this ASX Release).

Table 2. Ore Reserve

Classification	Brine Volume (GL)	K (mg/L)	SOP (Mt)
Proved	602	2,797	3.7
Probable	2,592	2,819	16.3
Proved & Probable	**3,195**	**2,815**	**20.0**

[2] Refer to the ASX Release on 20 July 2020 for full Ore Reserve details. All material assumptions and technical parameters underpinning the Ore Reserve and DFS mine plan continue to apply and have not materially changed.

Project Permitting

An Environmental Impact Assessment ("**EIA**") is underway for the Mackay Potash Project and remains the critical path item for the commencement of full-scale project construction.

In February 2019, the Western Australian Environmental Protection Authority ("**EPA**") determined the project will be assessed under Part IV of the *Environmental Protection Act 1986* (EP Act) at a Public Environmental Review level with a four week public comment period.

In August 2019, the Commonwealth Department of Agriculture, Water and the Environment ("**DAWE**") determined the project will be assessed under the *Environmental Protection and Biodiversity Conservation Act 1999* (EPBC Act). The Commonwealth's assessment will occur by way of the Bilateral Agreement between the Commonwealth and the State of Western Australian made under Section 45 of the EPBC Act to accredit the state assessment process.

In May 2020, the Australian Federal Government awarded Major Project Status to the Mackay Potash Project which will allow the project to receive additional assistance with respect to the facilitation of Federal Government approvals for the project.

In parallel with the EIA, the Company is also progressing the project's other remaining approvals, licences and agreements, which include:

- Department of Mines, Industry Regulation and Safety ("**DMIRS**") – Miscellaneous Licences, Mining Lease, Mining Proposal and Mine Closure Plan approvals under the Mining Act 1978;
- Department of Water and Environmental Regulation ("**DWER**") – Works Approval and Licence under Part V of the EP Act; and
- Agreements with Parna Ngururrpa (Aboriginal Corporation) RNTBC and Tjurabalan Native Title Lands (Aboriginal Corporation) for the grant of Miscellaneous Licences over the haul road alignment.

Government & Community Consultation

During the quarter, the Company continued its active engagement in local communities and across all levels of Federal, State and Local Government. The Mackay Potash Project enjoys strong support in local communities, particularly given the employment opportunities and economic infrastructure that the project will create.

The project will support over 200 direct full-time employees and is expected to create over 600 jobs through the regional supply chain over its long 40 year life, generating valuable long-term opportunities for Indigenous people living in Central Desert communities, as well as people living throughout the broader Kimberley region.

Project Financing

Completion of the DFS was a major milestone for the project funding process. During the quarter, the Northern Australia Infrastructure Facility and Export Finance Australia have continued to express an interest to provide concessional longer term debt finance for the Mackay Potash Project.

During the quarter, the Company also advanced discussions with some of the world's largest fertiliser companies who are interested in participation in product marketing and development of the Mackay Potash Project. The

Company remains in a fortunate position having retained marketing rights for 100% of its planned SOP production as it continues this engagement with potential strategic partners.

The Company is currently undertaking product marketing for its planned SOP production in conjunction with project funding. The majority of the project's production is planned to be committed under marketing and/or off-take contracts to support debt finance. During the quarter, the Company distributed further product samples to potential customers and strategic partners.

Agrimin's SOP product has recently been certified by Southern Cross Certified Australia Pty Ltd ("**SXC**") to allow the Company to provide third party assurance to its customers that its SOP product is suitable for use in certified organic production systems. During the quarter, SXC undertook an audit of Agrimin's product samples and proposed production process. This involved a detailed review of all production processes, and the origin, nature, use and quantities of all inputs.

Certification as an allowable input into organic production systems sets Agrimin's SOP apart from a large portion of global SOP supply which is currently produced from the Mannheim Process (an industrial process using sulphuric acid and potassium chloride). Accordingly, the organic nature of Agrimin's SOP product has been a focus throughout product marketing activities.

Lake Auld Potash Project – Western Australia (100% owned)

The Lake Auld Potash Project is located approximately 640km south-east of Port Hedland, Western Australia (**Figure 1**). The project consists of a granted Exploration Licence covering a lakebed area of 108km² across Lake Auld. Lake Auld's exceptionally high grades, favourable climatic conditions for solar evaporation and proximity to a major operating port support the potential for strong project economics.

The Lake Auld Potash Project is neighboured either side by the Company's existing Exploration Licence applications which cover the Canning Palaeovalley, including the remainder of Lake Auld and Percival Lakes. The Company's tenements cover the most prospective portion of the 450km long lake system where historic sampling of brine has returned the highest known in-situ SOP grades from an Australian salt lake.

During the quarter, the Company's consultations with Western Desert Lands Aboriginal Corporation (Jamukurnu-Yapalikunu) RNTBC, the Native Title representative body for the Martu people re-commenced following COVID-19 travel restrictions. A Concept Study for the Lake Auld Potash Project is also underway for a boutique operation to produce high-purity water-soluble SOP product for shipment via Port Hedland.

Corporate Activities

Share Issues

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

Business Development

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

The Company retains a 40% interest in Tali Resources Pty Ltd (formerly Agrimin Metals Pty Ltd), which holds Exploration Licences throughout Western Australia that are prospective for gold and base metals mineralisation. During the quarter, Tali Resources progressed potential funding options for its projects, including discussions with potential farm-in partners, and undertook a soil sampling program.

Payments to Related Parties of the Entity

A description of and explanation for payments to related parties and their associates per Section 6.1 of the Appendix 5B is set out below (**Table 3**).

Table 3. Payments to Related Parties of the Entity and their Associates

Item	Current Quarter (A$)	Previous Quarter (A$)
Directors' Remuneration		
CEO Salary and Superannuation	82,500	82,989
Non-Executive Director Fees	57,375	57,376
Company Secretarial Fees	9,000	9,000
Total payments to related parties of the entity and their associates	**148,875**	**149,365**

Tenement Interests

Table 4. Schedule of Tenement Interests as at 30 September 2020

Tenement Ref.	Project	Holder	State	Status	Interest
		Exploration Licences			
E80/4887	Mackay Potash	Agrimin Potash Pty Ltd	W.A.	Granted	100%
E80/4888	Mackay Potash	Agrimin Potash Pty Ltd	W.A.	Granted	100%
E80/4889	Mackay Potash	Agrimin Potash Pty Ltd	W.A.	Granted	100%
E80/4890	Mackay Potash	Agrimin Potash Pty Ltd	W.A.	Granted	100%
E80/4893	Mackay Potash	Agrimin Potash Pty Ltd	W.A.	Granted	100%
E80/4995	Mackay Potash	Agrimin Potash Pty Ltd	W.A.	Granted	100%
E80/5055	Mackay Potash	Agrimin Potash Pty Ltd	W.A.	Granted	100%
E80/5124	Mackay Potash	Agrimin Potash Pty Ltd	W.A.	Granted	100%
E80/5172	Mackay Potash	Agrimin Potash Pty Ltd	W.A.	Granted	100%
EL30651	Mackay Potash	Agrimin Limited	N.T.	Application	100%
EL31780	Mackay Potash	Agrimin Limited	N.T.	Application	100%
EL31781	Mackay Potash	Agrimin Limited	N.T.	Application	100%
E45/4925	Lake Auld Potash	Agrimin Potash Pty Ltd	W.A.	Granted	100%
E45/5417	Lake Auld Potash	Agrimin Potash Pty Ltd	W.A.	Application	100%
E45/5419	Lake Auld Potash	Agrimin Potash Pty Ltd	W.A.	Application	100%
E45/5420	Lake Auld Potash	Agrimin Potash Pty Ltd	W.A.	Application	100%

Tenement Ref.	Project	Holder	State	Status	Interest
E45/5579	Lake Auld Potash	Agrimin Potash Pty Ltd	W.A.	Application	100%
Other Licences					
L80/87	Mackay Potash	Agrimin Potash Pty Ltd	W.A.	Granted	100%
L80/88	Mackay Potash	Agrimin Potash Pty Ltd	W.A.	Granted	100%
L80/96	Mackay Potash	Agrimin Potash Pty Ltd	W.A.	Granted	100%
L80/98	Mackay Potash	Agrimin Potash Pty Ltd	W.A.	Application	100%

ENDS

For further information, please contact:

Investors
Mark Savich
Chief Executive Officer
T: +61 8 9389 5363
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

This ASX Release is authorised for market release by Agrimin's CEO and Executive Director, Mark Savich.

About Agrimin

Based in Perth, Agrimin Limited is a leading fertiliser development company focused on the development of its 100% owned Mackay Potash Project. The Project is situated on Lake Mackay in Western Australia, the largest undeveloped potash-bearing salt lake in the world. Agrimin is aiming to be a global supplier of specialty potash fertilisers to both traditional and emerging value-added markets. Agrimin's shares are traded on the Australian Securities 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.

Cautionary Statement

The Definitive Feasibility Study results, production target and forecast financial information referred to in this ASX Release are supported by the Definitive Feasibility Study mine plan which is based on the extraction of 93% Ore

Reserve and 7% Inferred Mineral Resource. There is a low level of geological confidence associated with the Inferred Mineral Resource and there is no certainty that further exploration work and economic assessment will result in the conversion to Ore Reserve or that the production target itself will be realised. The Mineral Resource and Ore Reserve underpinning the production target in this ASX Release have been prepared by a competent person in accordance with the requirements of the JORC Code (2012).

Competent Person Statements

The information in this ASX Release that relates to the Mineral Resource estimate for the Mackay Potash Project was first reported in accordance with ASX listing rule 5.8 in the Company's ASX Release titled "Potash Resource Upgraded by 470%" announced on 20 January 2020. The Company confirms that it is not aware of any new information or data that materially affects the information included in the previous announcement and that all material assumptions underpinning the estimate in the previous announcement continue to apply and have not materially changed.

The information in this ASX Release that relates to the Ore Reserve for the Mackay Potash Project was first reported in accordance with ASX listing rule 5.9 in the Company's ASX Release titled "Agrimin to be the World's Lowest Cost SOP Producer" announced on 21 July 2020. The Company confirms that it is not aware of any new information or data that materially affects the information included in the previous announcement and that all material assumptions underpinning the estimate in the previous announcement continue to apply and have not materially changed.

The information in this ASX Release that relates to production targets and forecast financial information for the Mackay Potash Project were first reported in accordance with ASX listing rules 5.16 and 5.17 in the Company's ASX Release titled "Agrimin to be the World's Lowest Cost SOP Producer" announced on 21 July 2020. The Company confirms that all the material assumptions underpinning the production targets and forecast financial information derived from the production target in the previous announcement continue to apply and have not materially changed.

The information in this ASX Release that relates to the interpretation of process test work data and mineral processing for the Mackay Potash Project was first reported in the ASX Release titled "Agrimin to be the World's Lowest Cost SOP Producer" announced on 21 July 2020. The Company confirms that it is not aware of any new information or data that materially affects the information in the previous announcement and that all the material assumptions underpinning the interpretation in the previous announcement continue to apply and have not materially changed.