

ASX Release
29 January 2024

QUARTERLY ACTIVITIES REPORT FOR PERIOD ENDING 31 DECEMBER 2023

Highlights

Mackay Potash Project

- Final major Native Title Agreement signed with the Tjurabalan native title holders in relation to the haul road
- Process test work continued in collaboration with leading equipment vendors
- Environmental Impact Assessment comments received from Western Australian Environmental Protection Authority, meetings held with the regulator and way forward to assessment understood

Exploration

- Desktop review of exploration potential across Agrimin's tenure in the highly prospective West Arunta region
- Commenced engagement with native title holders in WA and NT in relation to exploration agreements

Business Development

- Termination of Share Sale Agreement with Kalium Lakes Limited (Administrators appointed) (Receivers and Managers appointed) and its receivers and managers

Corporate

- Placement of approximately \$3.2 million completed
- Cash balance of \$2.4 million as at 31 December 2023, not including R&D refund of \$1.0 million received subsequent to quarter end
- Mark Savich transitioned from Executive Director to Non-Executive Director

Agrimin Limited (ASX: AMN) ("Agrimin" or "the Company") is pleased to report its activities for the quarter ending 31 December 2023.

Mackay Potash Project – Western Australia (100% owned)

Agrimin’s vision is sustainable food security for future generations by establishing the Mackay Potash Project (“the Project”) as the world’s leading seaborne supplier of Sulphate of Potash (“SOP”) fertiliser, to provide the nutrition the world needs. The 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.

The Food and Agriculture Organization of the United Nations predicts global food demand will increase by 50% by 2050¹. SOP has a critical role to play in global food security by providing high quality fertiliser essential for generating crops in less and more arid conditions. 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. Agrimin’s SOP is certified as an allowable input for use in organic production systems and will be produced with lowest quartile emissions.

Lake Mackay is located 940km by road south of the Wyndham Port in Western Australia (**Figure 1**). It comprises nine granted Exploration Licences covering over 3,000km² in Western Australia and four Exploration Licence applications covering over 1,200km² 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 operation within the Kiwirrkurra determination area, additionally all Native Title Agreements required for the proposed haul road from Lake Mackay to Wyndham are in place.

Figure 1. Project Location Map



The Project's 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 floor of the ponds and be collected by wet harvesters and pumped as a slurry to the processing plant located off the edge of the salt lake. The plant will refine harvested salts into high quality finished SOP fertiliser ready for direct use by customers. SOP will be hauled by a dedicated fleet of road trains to a purpose-built storage facility at Wyndham Port. At the port, SOP will be loaded via an integrated barge loading facility for shipment to customers.

The Definitive Feasibility Study ("DFS") for the Mackay Potash Project was completed in July 2020. The DFS demonstrated the Project's globally significant scale and that once in operation it could 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 Independent Technical Review ("ITR") of the DFS and Project was completed in April 2021 by Advisian Pty Ltd, a subsidiary of the Worley Limited group of companies. The ITR report concluded that, based upon the data described in the report, the identified project risks are not expected to impact the technical and financial viability of the Project, particularly when considering the FEED work programs and mitigations that are planned to occur prior to the Company making a Final Investment Decision ("FID").

Agrimin is committed to a sustainable and ESG-friendly development of the Project to 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 greenhouse gas 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.

The Mackay Potash Project is now advancing toward a FID. Current activities include:

- Project funding and strategic partnerships;
- FEED works, execution planning and contracting; and
- Mining tenure and environmental approvals.

Product Marketing and Project Funding

The Company has signed three Binding Offtake Agreements with Sinochem Fertilizer Macao Limited, Nitron Group and MacroSource (formerly Gavilon Fertilizer) for the supply of 150,000tpa, 115,000tpa and 50,000tpa of SOP, respectively. The Company has committed its target of 70% of planned SOP production capacity under long-term binding offtake agreements and discussions with potential project partners and financiers continue.

Front End Engineering Design

Since completion of the DFS, the Company's integrated owner's team, supported by Turner & Townsend JukesTodd as project management consultant, has been progressing several FEED work streams. The outcomes of the FEED phase will provide a greater degree of accuracy for operating and capital costs, as well as minimise the risk of material changes during the execution phase of the Project.

The Company has already completed site-based testwork for the salt harvesters and geotechnical sampling and testwork for the sealed haul road. Additionally, the Company has worked with its proposed power contractor to refine the Project's site power station design which has resulted in a hybrid diesel, solar, wind and battery solution with a modelled renewable energy penetration of 84%. In 2023 the Company completed a civil construction trial to increase the understanding of the on-lake construction and operation of the Project's brine extraction trenches and solar evaporation ponds. The trial results will also be used to build on the Company's geotechnical data for the lake, confirm key equipment selections and validate remaining assumptions of the construction methodology.

During the current FEED phase, an extensive technical review of the process flowsheet and associated testwork database, together with the reported experiences of other SOP projects in Western Australia, has led to the requirement for additional process testwork to be completed. This additional testwork aims to de-risk the Project's start-up stage by demonstrating the targeted potash-bearing salt mineral can be consistently produced from the expected harvest salt feed during Project's start-up stage.

Harvest salts collected during the field evaporation trial at Lake Mackay have been prepared for conversion testwork and sent to vendors. The testwork program will focus on better understanding the range of process conditions for the front end of the process flowsheet with a focus on variable grade harvest salts that may be present during the start-up stage of the Project before steady-state conditions are reached. By testing a range of possible conditions, the Company aims to improve the robustness of its process design for conversion and for downstream processing.

This additional conversion process testwork is being conducted in collaboration with a leading crystallisation vendor to test the conversion stage of the process. The initial phase of conversion testwork has been completed and successfully converted salt produced in the start-up stage of the ponds. The conversion reactor and successful conversion is integral to the downstream processing stages. The next phase of conversion testwork is being undertaken to optimise and test a range of key process parameters and prepare converted schoenite for further testing in the subsequent flotation process. A flotation test program is being prepared and will be conducted in collaboration with a leading flotation vendor in the first half of 2024. The program will confirm key flotation unit parameters to efficiently separate schoenite from halite gangue. The results of both testwork programs will be used to refine the process design and determine the subsequent phase of crystallisation testwork.

Project Approvals

The Mackay Potash Project is currently being assessed by the Western Australian Environmental Protection Authority ("EPA"). The EPA's assessment is an accredited process under a bilateral agreement with the Commonwealth Government, and therefore the Project will not require a separate assessment by the Commonwealth Department of Climate Change, Energy, the Environment and Water.

During the quarter, the Company responded to comments from the EPA in relation to the Environmental Review Document and it continues to work closely with the EPA to ensure its information requirements are met in the most efficient way. Further comments were received back from the EPA in early December 2023 and from subsequent meetings held, a clear path forward to address these latest comments has been developed. Based on statutory guidelines the indicative timeline for EPA approval is for Q3 2024.

The Company is also progressing other outstanding approvals, licences and agreements, which include:

- Department of Mines, Industry Regulation and Safety – Miscellaneous Licences, Mining Lease, Mining Proposal and Mine Closure Plan approvals; and
- Department of Water and Environmental Regulation – Works Approval and Licence.

During the quarter, Agrimin signed a Native Title Agreement with Tjurabalan Native Title Lands (Aboriginal Corporation) RNTBC (“**Tjurabalan**”), the native title representative body for the Tjurabalan native title holders.

The Native Title Agreement provides the necessary consents for a Miscellaneous Licence and ancillary licences to be granted to Agrimin by DMIRS relating to the haul road or project within the Tjurabalan determination area. The Native Title Agreement acknowledges the extensive Heritage Survey completed by Agrimin in May 2021 on Tjurabalan country, which informed the proposed haul road alignment. As part of the Agreement, the parties have included a heritage protocol to govern future cultural heritage matters connected with the haul road and the project’s development (“**Heritage Protocol**”). The Heritage Protocol provides heritage clearance rules for the proposed infrastructure required to support the haul road and the project, including communication towers, turnouts, rest stops, borrow pits, aggregate sources, water abstraction bores, drains, turkey’s nests and water storage. The parties will endeavour to adopt a Cultural Heritage Management Plan in the next 12 months, which will replace the Heritage Protocol.

The Agreement contains a range of financial and non-financial terms which remain confidential in nature. The Company has agreed to issue 500,000 ordinary shares to TNTLAC, escrowed for five years, as part of the terms.

Government and Community Engagement

The Company continues 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 is expected to create approximately 200 direct full-time jobs and support over 600 jobs through the regional supply chain over its 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.

Newhaul Bulk Pty Ltd (the strategic haulage joint venture between Agrimin and Newhaul Pty Ltd) continues to progress plans to establish a Driver Training Academy to maximise the number of local employees and provide further opportunities for local employment and skills training presented by the Project’s development. The Driver Training Academy will aim to provide inspiring pathways for young people in Central Desert, East Pilbara and Kimberley communities who are interested in pursuing a long-term career in logistics.

During 2024 engagement with Tjamu Tjamu and other Central Desert communities will commence to understand in more depth local skills and businesses to setup for sustainable involvement during both the construction phase and operations.

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

The Company continues its consultations with Western Desert Lands Aboriginal Corporation (Jamukurnu-Yapalikunu) RNTBC, the Native Title representative body for the Martu people.

The Lake Auld Potash Project is located approximately 640km south-east of Port Hedland, Western Australia (**Figure 1**). The Lake Auld Potash 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 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.

Corporate Activities

Share Issues

During the quarter the Company completed a placement that raised \$3.2 million. The Placement was conducted at an issue price of \$0.15 per ordinary share in the Company, with a free attaching unlisted option exercisable at \$0.20 each within 3 years of issue, resulting in approximately 21.3 million Shares and 21.3 million Options issued. The placement details were announced on 16 October 2023.

Funds raised will be used to progress Agrimin's flagship Mackay Potash Project to being fully permitted, for additional FEED works and to progress exploration potential in the West Arunta.

Business Development

On 4 October 2023, Agrimin announced it had given a notice of termination of the Share Sale Agreement to Kalium Lakes Limited (Administrators Appointed) (Receivers and Managers appointed) ("**Kalium**"), thereby terminating the contract in accordance with its terms.

During the quarter, the Company continued to evaluate the exploration potential across its tenure in the highly prospective West Arunta region. It completed a desktop review of available data for targeting purposes and to identify areas of focus for future potential geophysical surveys. It also commenced engagement with native title holders in relation to exploration agreements. Agrimin's tenure is contiguous to WA1 Resources Ltd and Encounter Resources Limited where multiple mineralised carbonatites have been discovered.

Agrimin holds a 40% interest in Tali Resources Pty Ltd, a private company which has Exploration Licences in Western Australia that are subject to a Farm-in and Joint Venture Agreement with Rio Tinto Exploration Pty Ltd. Tali Resources Pty Ltd also holds 8,525,000 shares in WA1 Resources Ltd (ASX: WA1), which had a share price of \$10.00 per share as at 23 January 2024.

Transition of Mark Savich to Non-Executive Director

Following the completion of the management transition from Mark Savich to Debbie Morrow, the Company announced that Mark Savich would transition from Executive Director to Non-Executive Director effective on and from 1 December 2023.

Summary of Expenditure Incurred on Activities

The Company incurred expenditure of \$493,000 which for accounting purposes has been allocated to exploration and evaluation activities during the quarter. No expenditure was allocated to development or production activities during the quarter. Exploration and evaluation expenditure during the quarter primarily related to FEED works, environmental approvals and project financing.

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 for the quarter ending 31 December 2023 is set out below (**Table 1**).

Table 1. Payments to Related Parties of the Entity and their Associates

Item	Current Quarter (A\$)	Previous Quarter (A\$)
Directors' Remuneration		
CEO Salary and Superannuation	111,000	37,000
Executive Director Fee and Superannuation*	184,677	82,500
Non-Executive Director Fees	62,750	57,750
Company Secretarial Fees	1,500	9,000
Total payments to related parties of the entity and their associates	359,927	186,250

* Increased one off payment related to payout of unused annual leave and long-service leave resulting from the transition of Mark Savich from Executive Director to Non-Executive Director.

Tenement Interests

Table 2. Schedule of Tenement Interests as at 31 December 2023

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%
EL24861	Mackay Potash	Agrimin Potash Pty Ltd	N.T.	Application	100%
EL30651	Mackay Potash	Agrimin Potash Pty Ltd	N.T.	Application	100%
EL31780	Mackay Potash	Agrimin Potash Pty Ltd	N.T.	Application	100%
EL31781	Mackay Potash	Agrimin Potash Pty Ltd	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%
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%
L80/98	Mackay Potash	Agrimin Potash Pty Ltd	W.A.	Application	100%
L80/99	Mackay Potash	Northern Infrastructure Pty Ltd	W.A.	Application	100%
L80/100	Mackay Potash	Northern Infrastructure Pty Ltd	W.A.	Granted	100%
L80/101	Mackay Potash	Northern Infrastructure Pty Ltd	W.A.	Application	100%
L80/102	Mackay Potash	Northern Infrastructure Pty Ltd	W.A.	Application	100%
L80/103	Mackay Potash	Northern Infrastructure Pty Ltd	W.A.	Application	100%
L80/104	Mackay Potash	Northern Infrastructure Pty Ltd	W.A.	Application	100%
L80/105	Mackay Potash	Agrimin Potash Pty Ltd	W.A.	Application	100%

ENDS

For further information, please contact:

Investors

Debbie Morrow
Managing Director & CEO
T: +61 8 9389 5363
E: dmorrow@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 Board.

About Agrimin

Based in Perth, Agrimin Limited is the leading fertiliser company on the ASX (**ASX: AMN**) focused on 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's vision is sustainable food security for future generations by providing nutrition the world needs. The demand for SOP is underpinned by population growth, which the Food and Agriculture Organization of the United Nations predicts will drive an increase in global food demand by 50% by 2050¹.

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.

¹ Food and Agriculture Organization of the United Nations, The future of food and agriculture Trends and challenges, accessed 24 October 2023, page 136: <https://www.fao.org/3/i6583e/i6583e.pdf>