QUARTERLY REPORT AND ACTIVITY STATEMENT FOR THREE MONTHS TO 31 MARCH 2020

Corporate

- Group available cash at the end of the quarter was $0.67 million and is currently is about $0.60 million, excluding government assistance payments which are due in coming weeks
- No customer has cancelled planned orders and the company has no plans for a capital raising at this time

Sales & Operations

- Delivered on-time an urgent order of 700 tonnes of fertiliser grade bauxite from the Bald Hill Bauxite Project at Campbell Town as part of an on-going contract to regularly supply bauxite to the fertiliser plant operated by Impact Fertilisers in Hobart, Tasmania.
- New orders received for fertiliser grade bauxite in June as agricultural fertiliser demand rises
- Negotiations for next cement-grade shipment are well advanced. The potential for an early commencement of production and delivery to port is being considered by stakeholders so as to create new jobs in northern Tasmania and maximise the benefits of reduced fuel costs
- Working capital is likely to be made available for the next large shipment
- **Binjour Bauxite Project inland from Bundaberg, QLD:** the proposed mining leases, transport, port & shipping arrangements that have been presented to government and other stakeholders over past months are now under consideration by the Office of the Co-ordinator General for early review

ALCORE Project

- ABx's 90%-owned subsidiary, ALCORE Limited has commenced repeated scientific experiments that underpin the transition from research to a design and development project under the leadership of newly appointed General Manager, Dr Mark Cooksey


Dr Mark Cooksey

- Mark commenced his professional career in aluminium smelting with Comalco (now Rio Tinto Alcan) in 1997, joined CSIRO in 2004 as Senior Research Engineer, becoming Senior Principal Research Leader in 2016. He holds a PhD (Chemicals & Materials Engineering), Bachelor of Engineering (1st Class Honours) and BSc. He has worked closely with the aluminium and other metal industries commercialising new technologies and processes
- Alcore has been trialling the chemical refining of aluminium-rich raw materials including bauxite into Aluminium Fluoride (**AlF_3**) which is a high-priced ingredient in aluminium smelters and is used in next generation batteries
- Alcore has proven it can:
  - ✓ Make Aluminium Fluoride (AlF_3) from a range of aluminium-rich materials (see New Discovery below)
  - ✓ Make Corethane by reducing ash content in coal from 28.5% to 0.3%, thus making a superior coke for smelting and as a gas substitute for industrial heating (see Page 4 below), electrical generation and is ideally suited for use as a sulphur-free bunker fuel
- **New discovery of "Refine & Recycle" process:** Alcore has found it can make AlF_3 from aluminium-rich and fluorine-rich by-product waste streams from aluminium smelters world-wide so as to increase recycling credits for aluminium smelting which is an extremely innovative industry
- This is described as the "Refine & Recycle process" which offers lower capital and operating costs than all alternative process routes because the two main chemical components of the AlF_3 product, namely Aluminium "Al" and Fluorine "F" are supplied at very low cost
- **Several potential AlF_3 customers** and supportive major aluminium companies have visited the Alcore Research Centre and observed the production of AlF_3 from aluminium smelter by-products
- Alcore's task-list for the current series of tests includes:
  - ➢ Make anhydrous AlF_3 with the crystal size & density to suit customers (in progress)
  - ➢ Make pure AlF_3 that can be used in special batteries, including lithium-ion batteries, which is demanding a very high price above US$2,800 per tonne of AlF_3 which is twice prevailing AlF_3 prices
  - ➢ Make AlF_3 from other aluminium-rich, low cost raw materials (partly achieved in recent weeks)

ABx CEO said; "By staying focussed and working hard, our ABx team has proven once again that it is extremely resilient and can find ways to succeed under duress. Shareholders can be proud of the ABx team like I am.

Corona Virus Pandemic Response

- ABx's mine management, contractors and customers have implemented strict health safety protocols on arrival at site, during production, loading and transport of bauxite in compliance with the national response to the Corona virus pandemic
- ABx continues to operate with its full workforce, whilst also adhering to restrictions imposed by the national Corona Virus (Covid-19) Pandemic Response
- The Alcore research centre operated by ABx's 90%-owned subsidiary, Alcore Limited is continuing its vital research and testwork as the project moves into design and development stage
- The ABx Group is taking all appropriate steps to protect our employees, contractors and our valued customers. Safety of our employees, contractors and customers is paramount in all we do
- We regularly monitor updates from the relevant authorities to ensure we are fully informed
- We have contingency plans to support our business and our employees until the threat of the Covid-19 virus subsides and life returns to normal.

Chief Operating Officer, Leon Hawker said; "ABx is proud of its reputation for reliable delivery on-specification and on-time. The ABx team and Directors have an exceptional capacity for intense hard work on a 24/7 roster when needed. Enthusiasm and morale are high and the outlook is positive."

Figure 1
Bald Hill Bauxite Project
Campbell Town, Northern Tasmania

Extracting bauxite that meets the grade and physical characteristics required by customers, with surgery precision.

Figure 2
Loading the bauxite product for prompt delivery

The rainbow is apt – the worst has passed and things are looking up

ABx

ALCORE Project

- AlF_3 is an essential electrolyte ingredient in aluminium smelters and demand for AlF_3 increases as aluminium smelter production increases and the use of AlF_3 in next-generation batteries starts to grow

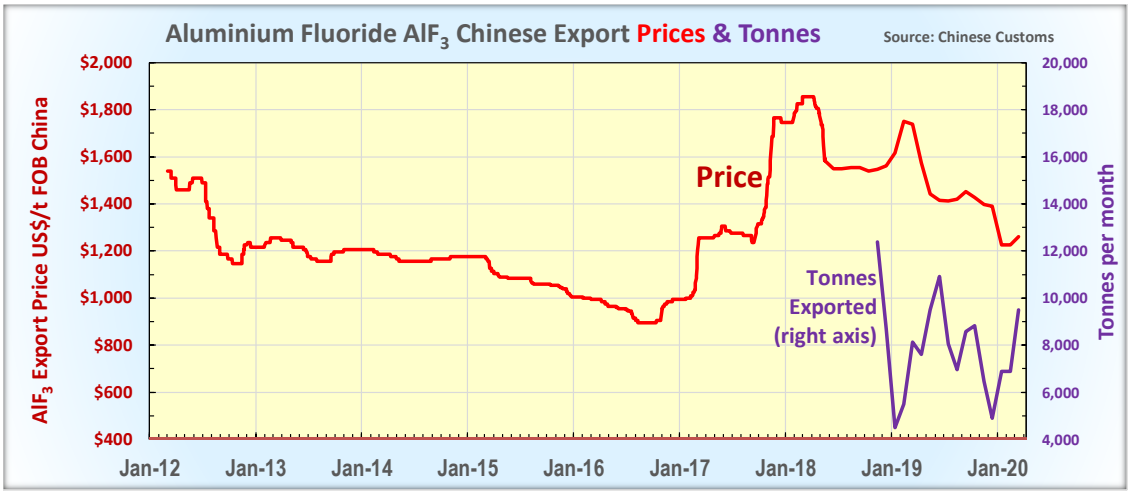

Figure 3: Prices & demand for aluminium fluoride AlF_3 exported from China since 2011. Customers pay shipping costs in addition to these prices. AlF_3 markets remain positive for Alcore.

- The Alcore business plan targets long-established, broad industrial markets with many potential buyers
- Alcore processes are relatively low-risk because they operate at ambient temperatures and pressures
- Initial production modules will be the simplest possible, producing the core products for industrial markets and later production modules will become more sophisticated so as to produce a full suite of products
- Alcore will be the first Australian supplier of AlF_3 to the Australasian Aluminium Smelters and for export
- **Location of first plant at Bell Bay, Tasmania:** Alcore is investigating industrial sites at Bell Bay in northern Tasmania for the first production plant
- Discussions continue with governments and supportive major companies in the aluminium industry

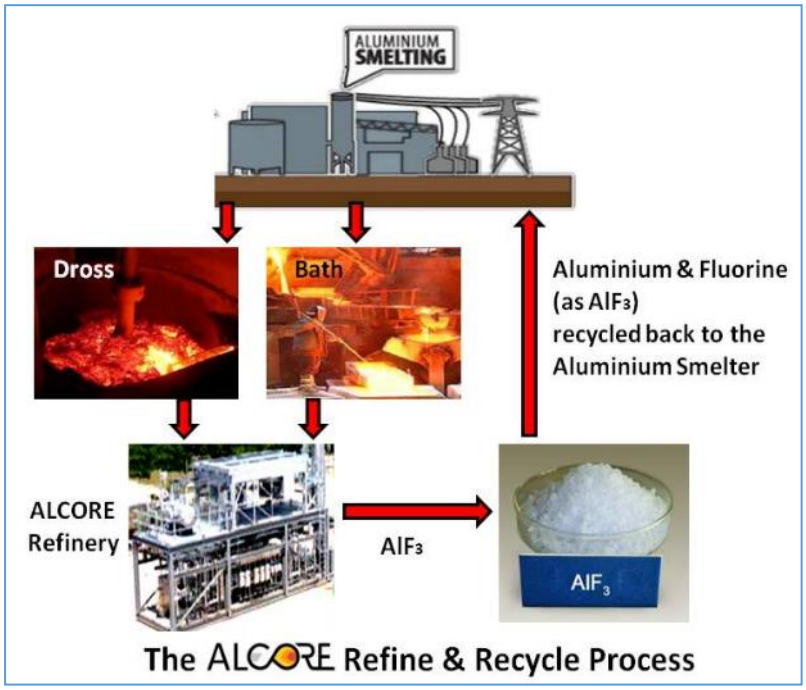

Figure 4
Summary of the ALCORE "Refine & Recycle" Business Strategy

This process has the strong potential to be the simplest and lowest cost method to make AlF_3. It provides an economically attractive way to utilise the aluminium-rich and fluoride-rich by-product waste streams from many aluminium smelters.

Figure 5

The $2.5 million Alcore Laboratory built inside the Alcore Research Centre

The Core Lab is a climate-controlled laboratory constructed inside the Alcore Research Centre for the refining of bauxite and its components to produce test samples of AlF_3 and co-products. It will become a research centre for testing its technology on many ores.

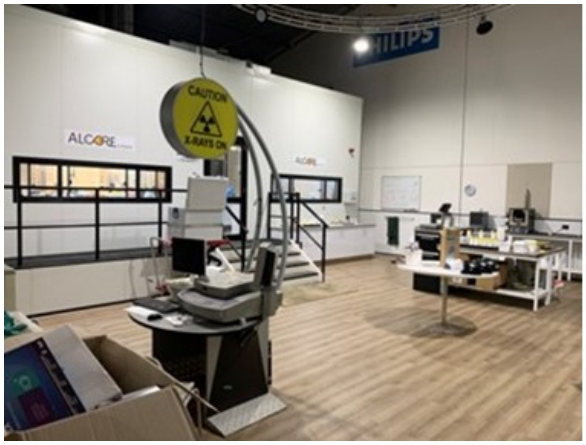

Figure 6
Ore Preparation & Analytical Lab with XRF & furnaces

Figure 7
Alcore test lab, fume cabinets with hi-tech fume scrubbers, showers, microscopes & Draegar air monitor (far wall)

Figure 8: Exterior support systems

a) Air purification and atmosphere control system.

b) Liquids processing & neutralisation plant

c) Duplicated secure LPG gas supply

d) Gas-fired Standby-Backup Generator

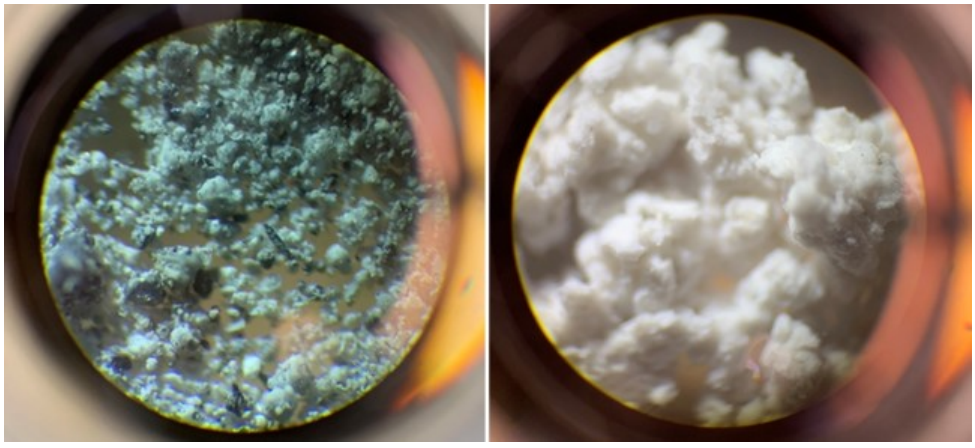

Figure 9:

Microscope images showing aluminium smelter by-product in raw form & processed form:

(Left) before Alcore processing &

(Right) after Alcore processing

The reaction took less than 5 minutes to completion

ALCORE : CORETHANE - SUCCESSFULLY MANUFACTURED

Alcore's business plan is to produce Aluminium Fluoride (AlF_3) for aluminium smelting and other co-products including Silica Fume for Eco-cement and the gas-substitute Corethane for energy security.

The Alcore laboratory processed a representative sample of Hunter Valley black coal containing a relatively elevated level of ash at 28.5% ash. After processing, the ash content in this coal was reduced to the target level of 0.3% ash with relative ease. This low level of ash is the equivalent ash content of air. The processed coal was analysed by Bureau Veritas Minerals Pty Ltd laboratories, Cardiff, Newcastle NSW.

This refined coal would be a cleaner substitute for more expensive metallurgical coal & coke for smelting. More importantly, the exceptionally low ash level allows the coal to be milled without abrasion into a very fine powder (finer than cigarette smoke particles) to create a fuel called "CORETHANE" that can be atomised to create a high-energy gas that burns clean, like natural gas but produces lower cost heat energy, lower cost electricity and low-cost liquid fuels.

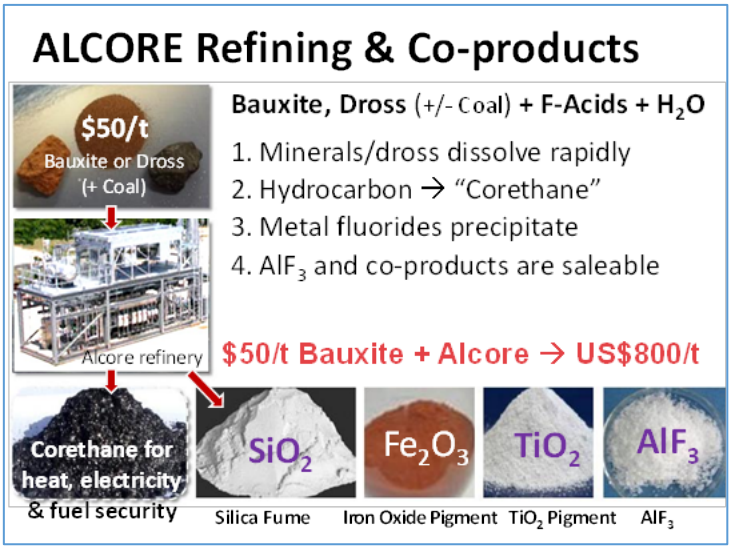

Figure 10
The full Alcore process:
1. Inputs,
2. AlF_3 product &
3. All co-products

Corethane is an ultra-pure hydrocarbon to power the production plant with zero particulate emissions & CO_2 emissions similar to natural gas.

Alcore can also sell electricity to the grid or sell Corethane to industrial customers, including as a metallurgical reductant in smelters, several of which have already expressed interest.

Summary

Alcore's bauxite refining has the potential to convert a tonne of bauxite valued at US$50 per tonne into a suite of products worth in excess of **US$800** representing a **10-times** increase in net value. It can also convert aluminium smelter by-products into AlF3 using a simplified, lower-cost, higher-profit "Refine & Recycle" version of the Alcore Process.

An Alcore project can be located anywhere in the world, importing bauxite from bauxite producers for less than the $US50 per tonne which is being conservatively assumed in Alcore's economic studies. It can also be located adjacent to aluminium smelters to Refine & Recycle aluminium smelter by-products.

Therefore, the Alcore Technology is not constrained by resource supply and can be located near its major customers, near sources of low-cost feedstock such as recyclable waste materials from aluminium smelting.

Risk management

The Alcore business plan is designed to minimise both the financial and technical risks as follows:

1. Alcore technology operates at low temperatures & low pressures
2. Alcore's main products in the start-up years 1 to 5 are designed to be AlF_3, silica fume and high-grade bauxite. These products have deep, well-established markets with many customers.

This plan for Alcore's initial products avoids the market risks of targeting high-purity products which can take several years of process improvements to achieve and often have very few buyers.

Binjour Project, QLD – located 115kms inland from Bundaberg Port, Queensland

- ABx's board of directors approved the lodgement of mining lease application and related project strategy for the Binjour Bauxite Project in early 2020.
- The Binjour Bauxite Project pre-production and working capital costs are fully funded by ABx's marketing partner, Rawmin Mining and Industries of India.
- Tripartite Memorandum of Understanding (**MoU**) between ABx, Rawmin Mining and Industries of India and Tianshan Aluminium of China is for the sale of 0.5 to 1.5 million tonnes of bauxite from Binjour to Tianshan's new low temperature refinery in southern China which is due to commence production in late 2020
- ABx considers Binjour to be the best source of gibbsite-trihydrate (**THA**) bauxite in Queensland that is suitable for processing in low-temperature Bayer-technology alumina refineries and sweetener circuits
- Bauxite resources total 40.5 million tonnes comprising 37 million tonnes of thick bauxite at Binjour plateau and 3.5 million tonnes in the granted mining lease at Toondoon, located 46 kms south of Binjour [1]
- Binjour bauxite is 3 to 15 metres thick and comprises 10.4 million tonnes suitable for simple bulk mining and shipping as "DSO Bauxite [1]" and 26.6 million tonnes to be upgraded by ABx's proprietary TasTech technology to achieve the long-term sales grade of 44% to 45% Al_2O_3 & 5% SiO_2 which is ideal "metallurgical bauxite" for producing aluminium metal via the low-temperature Bayer alumina refineries

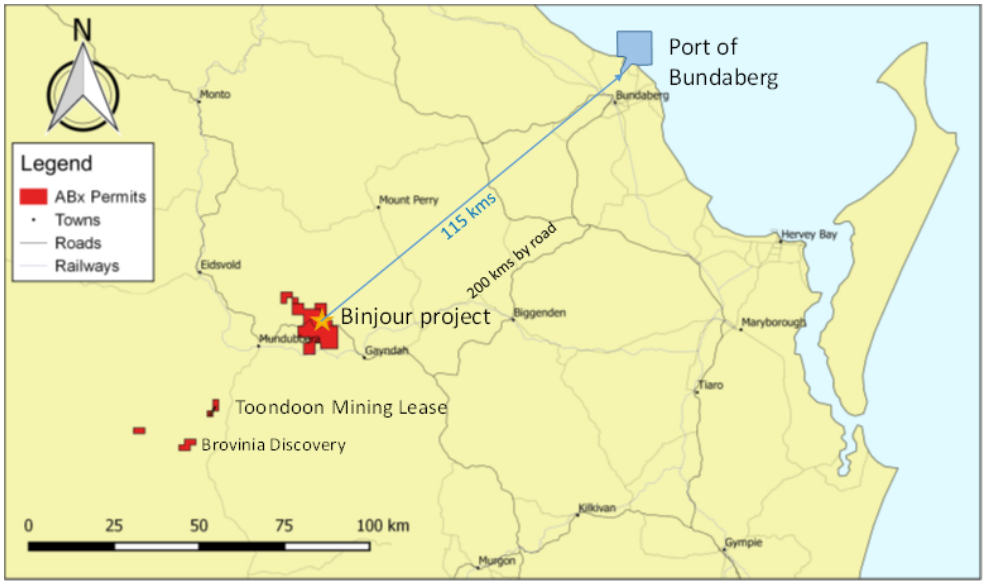

Figure 11

Locations of Binjour & Toondoon bauxite projects and transport infrastructure in Queensland

- **Bulk sampling & processing testwork** (ASX: Binjour Mine Underway Following Positive Bulk Sampling, 25 November 2019) confirmed ABx's decision to committing to project development. This work confirmed that Binjour bauxite screens much better than expected (ASX: Binjour Project Update - Port MoU and Bulk Sampling Results, 30 May 2019). **It also discovered** that an extensive deep bauxite layer grading more than 48% Al2O3 and less than 3% SiO2 which is the highest quality gibbsite-trihydrate bauxite in eastern Australia. This new knowledge was obscured by an overlying red mud layer that conceals the true nature of the bauxite.
- **Mining simulation:** Bulk sampling tested production parameters including **dilution** from red mud overburden, **mining** behaviour, screening and handling characteristics.
- **Grades:** Results show that bulk-mined, bulk-screened bauxite from Binjour can meet the required DSO grades to be marketable.
- **Operations:** Information about operating methods, dust and noise management, environmental issues, and rehabilitation options was also learned.
- **Rehabilitation:** ABx always examines post-mining reinstatement of the land at the outset of all mining projects. This important planning work commenced in November-December 2019 and several attractive options exist to leave the land significantly better than we found it. We only operate where welcomed.

1. See Resource Statement

Figures 12 & 13 (above) : Bulk sampling Pits 10 & 11 at Binjour QLD

Bulk dry-screening of Binjour bauxite

A 28 tonne bulk sample was mined and mixed onto a stockpile from Pits 10 & 11, using a 75 tonne excavator which is expected to be used during production. This sample was trucked to Gympie and screened using a rotating trommel with a 10mm aperture screen.

Figure 14

Screening & environmental measurements at Gympie

This bulk-screening testwork in late September confirmed the laboratory tests in mid 2019 that Binjour bauxite is ideal for dry-screening to remove fine fractions that must be minimised for safe shipping.

Dust-carry was measured to help decide the location and size of any mining lease application(s).

Figure 15

Best ore comes as blocks which need crushing Grades exceed +50% Al_2O_3 and less than 2% SiO_2

Assay Results From Pit Sampling and Dry-Screening

The following results were previously reported in the Company's December Quarterly Activities Statement released on 31 January 2020.

PIT 10	Al_2O_3 %	SiO_2 %	Fe_2O_3 %	TiO_2 %	LOI %	Al_2O_3avl %	Rx SiO_2 %
0-1m	42.6	8.3	19.2	5.3	24.2	33.3	7.3
1-2m	45.3	4.7	18.3	5.2	26.1	40.0	4.2
2-3m	42.5	4.2	23.2	5.1	24.5	37.2	3.6
3-4m	45.1	3.9	19.7	5.2	25.6	41.2	3.4
4-5m	48.9	1.7	17.1	4.5	27.3	45.4	1.5
Pit 10 averages	**44.9**	**4.5**	**19.5**	**5.1**	**25.5**	**39.4**	**4.0**

PIT 11	Al_2O_3 %	SiO_2 %	Fe_2O_3 %	TiO_2 %	LOI %	Al_2O_3avl %	Rx SiO_2 %
3-4m	45.5	4.7	17.5	5.7	26.1	40.5	4.2
3.5-4.5m	45.4	3.4	18.9	5.8	26.0	40.4	2.9
4.5-5.5m	49.0	2.3	14.2	6.3	27.7	46.6	2.0
Pit 11 averages	**46.6**	**3.4**	**16.9**	**5.9**	**26.6**	**42.5**	**3.0**

Screened 28 tonnes bulk mined from Pits 10 & 11	Al_2O_3 %	SiO_2 %	Fe_2O_3 %	TiO_2 %	LOI %	Al_2O_3 Avl* %	Rx SiO_2* %
Coarse fraction +10mm	45.8	2.3	20.0	5.5	25.9	42.6	2.0
Fine fraction -10mm	45.4	6.0	16.5	6.0	25.6	39.1	5.5
Average (45:55 ratio)	**45.5**	**4.5**	**17.9**	**5.8**	**25.7**	**40.5**	**4.1**

* Leach conditions to measure available alumina "Al2O3 Avl" & reactive silica "Rx SiO2" is 1g leached in 10ml of 90gpl NaOH at 143 degrees C for 30 mins.

Table 1

Assays of bulk samples of Pits 10 & 11

Bulk samples confirm that the required grades can be produced.

Deeper layers are consistently high grade

Table 2

Assays of bulk screening of a 28 tonne combined bulk sample from Pits 10 & 11

Very consistent with pit samples

Selection of an Initial Mining Lease Application Area at Binjour

- Based on the evidence from bulk sampling, ABx has assessed the results from its 1,000 drillholes at Binjour and has identified sites that:
    a. Are on freehold land titles, with no strategic cropping or environmental issues
    b. Are ideally located for transport, processing, environmental and community issues; and
    c. Contain the high quality layer of bauxite which will be in great demand.
- **Coordinated production:** The Binjour Bauxite Project will maximise production during the Queensland dry season from April to November and ABx's Tasmanian mines will maximise production in summer from December to May. Rawmin's mines in north western India will maximise production in the Indian dry season from November to May but cease shipments in monsoon months June to September. Coordinated production and shipments will achieve all-year delivery to the customer of bauxite at a consistent specification
- **Memorandum of Understanding Agreement** for access to the preferred stockpile site at the Port of Bundaberg was finalised and executed during 2019

Penrose bauxite types in strong demand

ABx's Penrose bauxite deposit located in a pine plantation 90km inland of Port Kembla NSW (see Figure 14) contains a bottom layer grading 55% Al_2O_3 and very low iron content suitable for refractory bauxite applications. The strategy for Penrose is to sell each layer to separate customers but a primary customer-partner is needed.

ABx has concluded that whilst Penrose bauxite is ideal feedstock for the Alcore bauxite refining technology, it is best for the manufacture of an Australia building product and separate sale of other layers.

Search of other low-iron grey-white bauxite deposits

Prior to making an offer to the "primary partner" for ABx's grey-white bauxite, ABx has searched its large database for other deposits of this type of bauxite and has found low-iron bauxite in Tasmania, Binjour in QLD and in the Taralga project area located north of Goulburn NSW. ABx has drafted a business proposal.

Figure 16

Locations of Penrose bauxite project, 90kms inland from Port Kembla, New South Wales

Bald Hill Bauxite Project, Campbell Town, Northern Tasmania

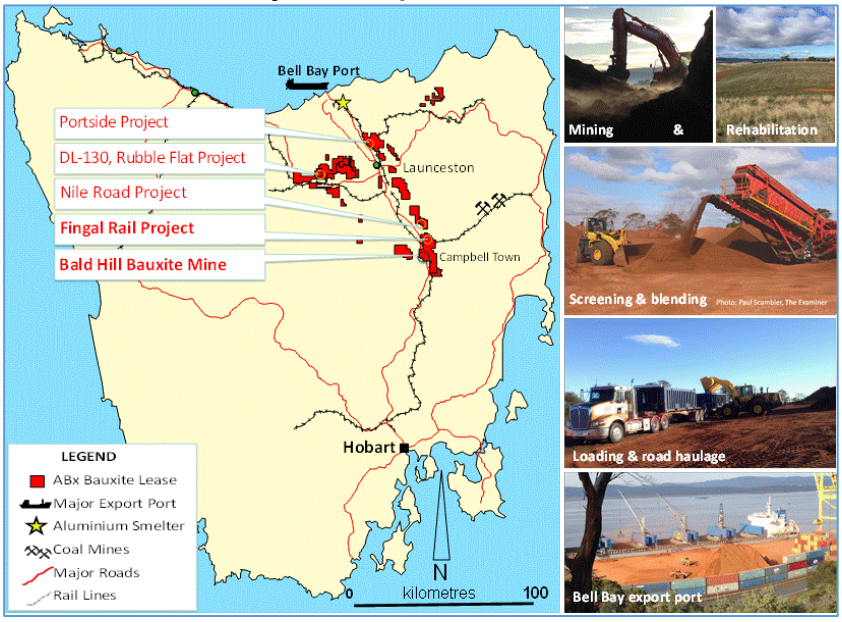

Figure 17

Locations of ABx bauxite mines, projects and transport infrastructure in Tasmania

Rehabilitation on schedule

Figure 18

Rehabilitation at Bald Hill mine was nearing completion at the end of the quarter.

Mine operators are waiting for optimum weather for seeding and weed suppression.

Figures 19 & 20: Pits MB5 & 6 during mining and after rehabilitation
Land can be restored to productive standard within 2 or 3 years – as shown for the rehabilitated mined area above.

Corporate skills in rehabilitating agricultural lands post-mining: Unlike several other bauxite producers which operate in remote tropical savannah regions, ABx has considerable experience dealing with the rehabilitation of good quality agricultural land. This will be important when ABx commences mining and rehabilitation operations in Binjour 115kms inland from Bundaberg, QLD.

For further information please contact:

Ian Levy, CEO
Australian Bauxite Limited
Mobile: +61 (0) 407 189 122

Qualifying statements

General

The information in this report that relate to Exploration Information and Mineral Resources are based on information compiled by Jacob Rebek and Ian Levy who are members of The Australasian Institute of Mining and Metallurgy and the Australian Institute of Geoscientists. Mr Rebek and Mr Levy are qualified geologists and Mr Levy is a director of Australian Bauxite Limited.

Mainland

The information relating to Mineral Resources on the Mainland was prepared and first disclosed under the JORC Code 2004. It has not been updated since to comply with the JORC Code 2012 on the basis that the information has not materially changed since it was last reported.

Mr Rebek and Mr Levy have sufficient experience, which is relevant to the style of mineralisation and type of deposit under consideration and to the activity, which they are undertaking to qualify as a Competent Person as defined in the 2004 Edition of the Australasian Code for Reporting of exploration Results, Mineral Resources and Ore Reserves. Mr Rebek and Mr Levy have consented in writing to the inclusion in this report of the Exploration Information in the form and context in which it appears.

Tasmania

The information relating to Exploration Information and Mineral Resources in Tasmania has been prepared or updated under the JORC Code 2012.

Mr Rebek and Mr Levy have sufficient experience, which is relevant to the style of mineralisation and type of deposit under consideration and to the activity, which they are undertaking to qualify as a Competent Person as defined in the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr Rebek and Mr Levy have consented in writing to the inclusion in this report of the Exploration Information in the form and context in which it appears.

Disclaimer Regarding Forward Looking Statements

This ASX announcement (Announcement) contains various forward-looking statements. All statements other than statements of historical fact are forward-looking statements. Forward-looking statements are inherently subject to uncertainties in that they may be affected by a variety of known and unknown risks, variables and factors which could cause actual values or results, performance or achievements to differ materially from the expectations described in such forward-looking statements.

ABx does not give any assurance that the anticipated results, performance or achievements expressed or implied in those forward-looking statements will be achieved.

Patent

As advised previously, Refined Ore Industries Ltd (ROIL) was the owner of the CORE process technology via ROIL's intellectual property company, Berkeley Process Technologies Pty. Ltd which issued a global exclusive licence for the aluminium-related portion of the CORE process technology to ABx in November 2017 and ABx has issued a global exclusive sub-licence to Alcore Limited when Alcore was incorporated on 1 July 2018. After a company restructure and expansion of the patent definition to cover isolation and extraction of mineral compounds, metals, metalloids, alloys and elements from waste streams, mineral ores, recyclable commodities, industrial by-products and mixed substances, the holding company is now named Core Refining Limited (CRL) and the intellectual property company is Core Intelligence Australia Pty Ltd (CIAL) which holds the Patent Application No. 2019904311 and the global exclusive licences to ABx and Alcore continue in force.

CRL's CORE process technology involves the refining of a wide range of ore types using a combination of fluorine acids and related thermal energy process steps. The technology that is licensed to ABx and Alcore by CRL is part of CRL's broader Core technology.

Table 4: Tenement information required under LR 5.3.3

Tenement No.	Location
New South Wales	
EL 6997	Inverell
EL 8370	Penrose Forest
EL 7357	Taralga
EL 8600	Penrose Quarry
Queensland	
EPM 18014	Binjour
EPM 18772	Binjour Extension
EPM 25146	Toondoon EPM
ML 80126	Toondoon ML
Tasmania	
EL 7/2010	Conara
EL 9/2010	Deloraine
EL 18/2014	Prosser's Road
ML 1961 P/M	Bald Hill Bauxite

Notes: During the quarter, two exploration tenements were relinquished.

All tenements are in good standing, 100% owned and not subject to any Farm-in or Farm-out agreements, third-party royalties nor are they encumbered in any way.

Resource Statement

Tabulated below are the Mineral Resources for each ABx Project. The initial ASX disclosure for these Resources is given in the footnotes to the table. Refer to these announcements for full details of resource estimation methodology and attributions.

Table 5: ABx JORC-Compliant Resource Estimates

Region	Resource Category	Million Tonnes	Thickness (m)	Al_2O_3 %	SiO_2 %	A/S ratio	Fe_2O_3 %	TiO_2 %	LOI %	Al_2O_3 Avl @ 143°C %	Rx SiO_2 %	Avl/Rx ratio	% Lab Yield	O'Burden (m)	Int.Waste (m)
CAMPBELL TOWN AREA TASMANIA [7]	Inferred	1.3	3.0	42.6	3.5	12	25.4	3.5	24.6	36.7	3.0	12	50	2.1	0.1
	Indicated	1.4	3.2	42.5	3.2	14	26.4	3.0	24.5	36.2	2.8	14	55	1.8	0.1
	Total	2.7	3.1	42.5	3.3	13	25.9	3.3	24.5	36.5	2.9	13	52	2.0	0.1
Fingal Rail Cement-Grade Bauxite [8]	Inferred	2.4	3.3	30.9	19.5	--	35.4	3.9	16.7	--	--	--	--	1.9	0.1
	Indicated	3.9	3.8	31.1	19.0	--	35.2	4.0	16.9	--	--	--	--	1.7	0.1
	Total	6.3	3.6	31.0	19.2	--	35.3	4.0	16.8	--	--	--	--	1.8	0.1
DL-130 AREA TAS [1]	Inferred	5.7	3.8	44.1	4.3	10	22.8	3.1	25.0	37.6	3.2	12	55	1.5	0.1
	Total Tas	14.7	3.6	38.2	10.5	n.a.	28.7	3.5	21.4	n.a.	n.a.	n.a.	54	1.7	0.1
BINJOUR QLD [2]	Inferred	14.2	4.3	40.7	7.3	6	24.7	4.3	22.1	32.3	6.7	5	80	8.5	0.3
DSO, Screen & Cement	Indicated	22.8	4.0	33.5	19.2	2	24.9	4.2	16.8	15.8	17.4	1	63	6.6	0.3
	Total	37.0	4.1	36.2	14.6	3	24.9	4.2	18.8	22.1	13.3	2	69	7.3	0.3
TOONDOON QLD [3]	Inferred	3.5	4.9	40.2	7.2	6	25.3	4.9	21.7	32.8	5.2	6	67	1.5	0.0
TARALGA S. NSW [4]	Inferred	9.9	3.1	40.4	5.7	7	24.6	4.1	22.2	35.2	1.9	18	54	0.1	0.2
	Indicated	10.2	3.7	41.3	5.3	8	25.9	4.0	22.9	36.1	1.9	19	55	0.7	0.4
	Total	20.1	5.6	40.8	5.5	7	25.3	4.0	22.6	35.7	1.9	19	55	0.5	0.3
PDM-DSO*	Inferred	7.6	2.5	37.0	6.0	6	38.4	3.5	13.3	22.1*	1.3	17	72	0.2	0.1
	Indicated	10.3	3.1	37.6	3.9	10	40.4	3.7	13.5	22.4*	1.1	20	71	0.7	0.4
	Total	17.8	5.8	37.3	4.8	8	39.6	3.6	13.5	22.3*	1.2	18	72	0.5	0.3
	Total Taralga	37.9	5.7	39.2	5.2	8	32.0	3.8	18.3	35.4	1.6	23	63	0.5	0.3
INVERELL N. NSW [5]	Inferred	17.5	4.7	39.8	4.8	8	27.7	4.3	22.2	31.0	4.2	7	61	2.3	
	Indicated	20.5	4.8	40.6	4.7	9	26.9	4.1	22.5	32.0	4.0	8	60	2.4	
	Total	38.0	4.8	40.2	4.7	9	27.3	4.2	22.4	31.6	4.1	8	61	2.4	
GUYRA N. NSW [6]	Inferred	2.3	4.2	41.4	3.6	12	26.2	3.3	24.6	35.0	2.8	13	56	3.4	
	Indicated	3.8	5.9	43.1	2.6	16	27.3	3.9	24.5	37.4	2.0	18	61	4.4	
	Total	6.0	5.3	42.5	3.0	14	26.9	3.7	24.5	36.5	2.3	16	59	4.0	
GRAND TOTAL ALL AREAS		**137.1**													

* PDM is Al_2O_3 spinel. Al_2O_3 Avl at 225°C is >35%

Explanations: All resources 100% owned & unencumbered. Resource tonnage estimates are quoted as in-situ, pre mined tonnages. All assaying done at NATA-registered ALS Laboratories, Brisbane. **Chemical definitions:** Leach conditions to measure available alumina "Al2O3 Avl" & reactive silica "Rx SiO2" is 1g leached in 10ml of 90gpl NaOH at 143°C for 30 minutes. LOI = loss on ignition at 1000°C. "Avl/Rx" ratio is (Al203 Avl)/(Rx SiO2) and "A/S" ratio is Al203/SiO2. Values above 6 are good, above 10 are excellent. Tonnage is for bauxite in-situ. **Lab Yield** is for drill dust samples screened by ALS lab at 0.26mm. Production yields are not directly related and are typically between 60% and 75%. Tonnages requiring no upgrade will have 100% yield. **Resource estimates exclude** large tonnages of potential extensions, overburden & interburden detrital bauxite and underlying transitional bauxite mineralisation. Production will clarify these materials.

The information above relates to Mineral Resources previously reported according to the JORC Code (see Competent Person Statement) as follows:

[1] *Maiden Tasmania Mineral Resource, 5.7 million tonnes announced on 08/11/2012*

[2] *Binjour Mineral Resource, 37.0 million tonnes announced on 18/06/2018*

[3] *QLD Mining Lease 80126 Maiden Resource, 3.5 million tonnes announced on 03/12/2012*

[4] *Goulburn Taralga Bauxite Resource Increased by 50% to 37.9 million tonnes announced on 31/05/2012*

[5] *Inverell Mineral Resource update, 38.0 million tonnes announced on 08/05/2012*

[6] *Guyra Maiden Mineral Resource, 6.0 million tonnes announced on 15/08/2011*

[7] *Initial resources for 1st Tasmanian mine, 3.5 million tonnes announced on 24/03/2015*

[8] *Resource Upgrade for Fingal Rail Project, Tasmania announced on 25/08/2016*

Tabulated Resource numbers have been rounded for reporting purposes. The Company conducts regular reviews of these Resources and Reserve estimates and updates as a result of material changes to input parameters such as geology, drilling data and financial metrics.

Global Mineral Resources total 137.1 million tonnes.

About Australian Bauxite Limited ASX Code ABX

Australian Bauxite Limited (ABx) has its first bauxite mine in Tasmania & holds the core of the Eastern Australian Bauxite Province. ABx's 12 bauxite tenements in Queensland, New South Wales & Tasmania totalled 719 km² & were selected for (1) good quality bauxite; (2) near infrastructure connected to export ports; & (3) free of socio-environmental constraints. All tenements are 100% owned, unencumbered & free of third-party royalties. ABx's discovery rate is increasing as knowledge, technology & expertise grows. The Company's bauxite is gibbsite trihydrate (THA) bauxite that can be processed into alumina at low temperature and is becoming increasingly in shortest supply.

ABx has committed a large proportion of its expenditure into Research and Development to find ways to capitalise on the main strengths of its bauxite type, mainly highly clean, free of all deleterious elements and partitioned into layers, nodules, particles and grains of different qualities that can be separated into different product streams using physical, chemical and geophysical methods.

ABx has declared large Mineral Resources at Inverell & Guyra in northern NSW, Taralga in southern NSW, Binjour in central QLD & in Tasmania, confirming that ABx has discovered significant bauxite deposits.

ABx's first mine commenced at Bald Hill near Campbell Town, Tasmania in December 2014 – the first new Australian bauxite mine for more than 35 years.

ABx aspires to identify large bauxite resources in the Eastern Australian Bauxite Province, which is a globally significant bauxite province. ABx has created significant bauxite developments in 3 states - Queensland, New South Wales and Tasmania. Its bauxite deposits are favourably located for direct shipping of bauxite to both local and export customers.

ABx endorses best practices on agricultural land, strives to leave land and environment better than we find it.

We only operate where welcomed.

About Alcore Limited:

Australian Bauxite Limited (ABx) has incorporated Alcore Limited as a wholly-owned subsidiary to fund and manage the Alcore Project, to lead to the construction of an Alcore Production Plant to produce Aluminium Fluoride (AlF_3) and valuable co-products, using patent application new technology. The Alcore Technology is designed to convert low grade bauxite worth $50 per tonne into a suite of valuable products worth more than $800 per tonne. Site construction works for Stage 1 of the Alcore project commenced on 1 July as planned at Alcore's pre-approved Research Centre in Berkeley Vale, Central Coast NSW.

Stage 1 is designed to produce AlF_3 test samples for pre-qualified aluminium smelter customers & then produce Corethane, which is pure hydrocarbon powder refined from low-value coals and has been used to provide thermal and electrical power with low CO_2 emissions when used as a gas-substitute to fuel large gas turbine. Corethane has also been used as a diesel substitute for fuel security purposes and is ideally suited for use as a sulphur-free bunker fuel.

Directors of ABx		Officers	
Paul Lennon	Chairman	Leon Hawker	COO
Ian Levy	CEO & MD	Jacob Rebek	Chief Geologist
Ken Boundy	Director	Paul Glover	Marketing, Exploration
Henry Kinstlinger	Company Secretary		

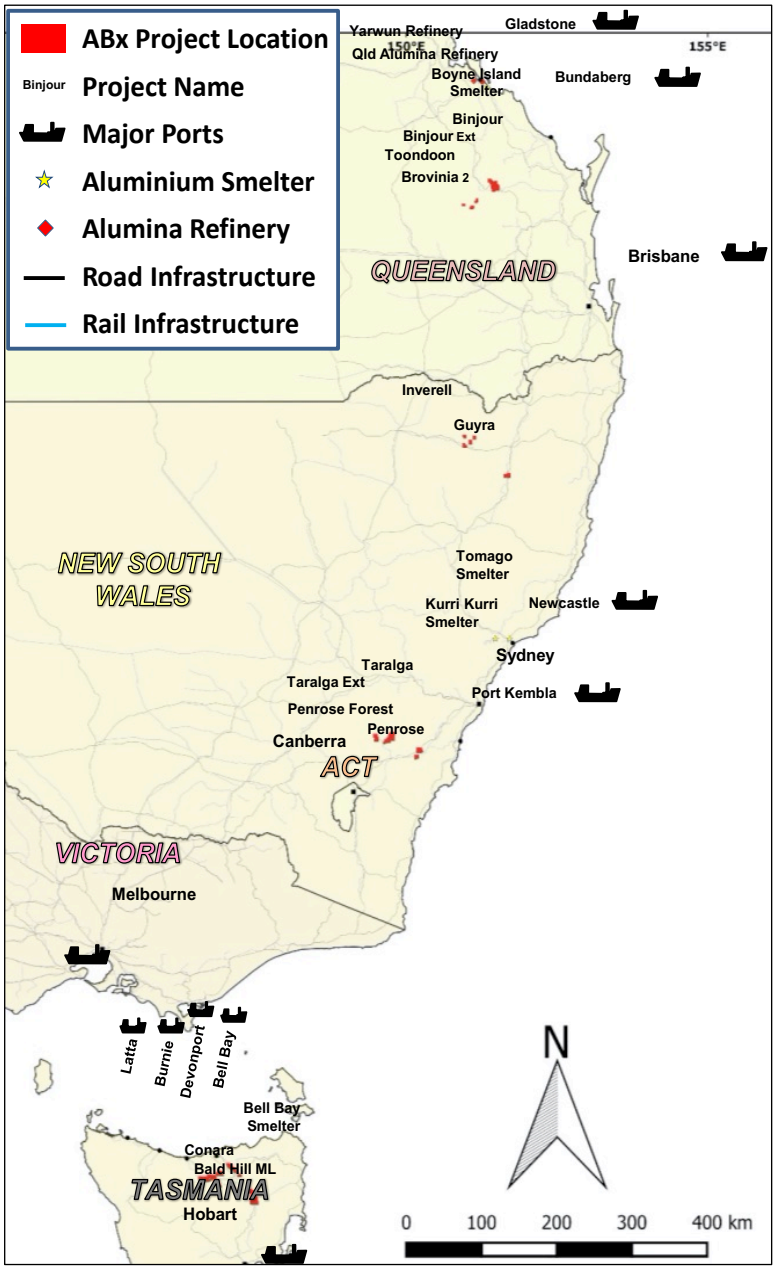

Figure 19 above

ABx Project Tenements & Major Infrastructure in ABx's major bauxite project areas nearest export ports in Eastern Australia as follows, from south to north:

1. **Northern Tasmania, south of Bell Bay Port**
2. **Southern NSW Taralga & Penrose pine forest west of Pt Kembla**
3. **Central Queensland based on the major Binjour Bauxite Project, southwest of Port of Bundaberg which is a port that has no impact on the Great Barrier Reef.**

Appendix 5B

Mining exploration entity or oil and gas exploration entity quarterly cash flow report

Name of entity	
Australian Bauxite Limited	
ABN	**Quarter ended ("current quarter")**
14 139 494 885	31 March 2020

Consolidated statement of cash flows		**Current quarter $A'000**	**Year to date (3 months) $A'000**
1.	**Cash flows from operating activities**		
1.1	Receipts from customers	-	-
1.2	Payments for		
	(a) exploration & evaluation (if expensed)	(148)	(148)
	(b) development	(233)	(233)
	(c) production	(10)	(10)
	(d) staff costs	(35)	(35)
	(e) administration and corporate costs	(69)	(69)
1.3	Dividends received (see note 3)	-	-
1.4	Interest received	1	1
1.5	Interest and other costs of finance paid	-	-
1.6	Income taxes paid	-	-
1.7	Government grants and tax incentives	-	-
1.8	Other (provide details if material)	-	-
1.9	**Net cash from / (used in) operating activities**	**(494)**	**(494)**
2.	**Cash flows from investing activities**		
2.1	Payments to acquire:		
	(a) entities		
	(b) tenements	-	-
	(c) property, plant and equipment	-	-
	(d) exploration & evaluation (if capitalised)	-	-
	(e) investments	-	-
	(f) other non-current assets	-	-

Consolidated statement of cash flows		**Current quarter $A'000**	**Year to date (3 months) $A'000**
2.2	Proceeds from the disposal of:		
	(a) entities	-	-
	(b) tenements	-	-
	(c) property, plant and equipment	-	-
	(d) investments	-	-
	(e) other non-current assets	-	-
2.3	Cash flows from loans to other entities	-	-
2.4	Dividends received (see note 3)	-	-
2.5	Other (provide details if material)	-	-
2.6	**Net cash from / (used in) investing activities**	**-**	**-**

3.	**Cash flows from financing activities**		
3.1	Proceeds from issues of equity securities (excluding convertible debt securities)	-	-
3.2	Proceeds from issue of convertible debt securities	105	105
3.3	Proceeds from exercise of options	-	-
3.4	Transaction costs related to issues of equity securities or convertible debt securities	-	-
3.5	Proceeds from borrowings	150	150
3.6	Repayment of borrowings		
3.7	Transaction costs related to loans and borrowings	-	-
3.8	Dividends paid	-	-
3.9	Other (provide details if material)	-	-
3.10	**Net cash from / (used in) financing activities**	**255**	**255**

4.	**Net increase / (decrease) in cash and cash equivalents for the period**		
4.1	Cash and cash equivalents at beginning of period	909	909
4.2	Net cash from / (used in) operating activities (item 1.9 above)	(494)	(494)
4.3	Net cash from / (used in) investing activities (item 2.6 above)	-	-
4.4	Net cash from / (used in) financing activities (item 3.10 above)	255	255

Consolidated statement of cash flows		**Current quarter $A'000**	**Year to date (3 months) $A'000**
4.5	Effect of movement in exchange rates on cash held	-	-
4.6	**Cash and cash equivalents at end of period**	**670**	**670**

5.	**Reconciliation of cash and cash equivalents** at the end of the quarter (as shown in the consolidated statement of cash flows) to the related items in the accounts	**Current quarter $A'000**	**Previous quarter $A'000**
5.1	Bank balances	75	108
5.2	Call deposits	180	396
5.3	Bank overdrafts	-	-
5.4	Other (provide details)	415	405
5.5	**Cash and cash equivalents at end of quarter (should equal item 4.6 above)**	**670**	**909**

6.	**Payments to related parties of the entity and their associates**	**Current quarter $A'000**
6.1	Aggregate amount of payments to related parties and their associates included in item 1	Nil
6.2	Aggregate amount of payments to related parties and their associates included in item 2	Nil
6.3	Include below any explanation necessary to understand the transactions included in items 6.1 and 6.2	

Note: if any amounts are shown in items 6.1 or 6.2, your quarterly activity report must include a description of, and an explanation for, such payments

7.	**Financing facilities** *Note: the term "facility' includes all forms of financing arrangements available to the entity.* *Add notes as necessary for an understanding of the sources of finance available to the entity.*		**Current quarter $A'000**
7.1	Loan facilities		450
7.2	Credit standby arrangements		Nil
7.3	Other (please specify)		N/A
7.4	**Total financing facilities**		450

7.5	**Unused financing facilities available at quarter end**	Nil
7.6	Include in the box below a description of each facility above, including the lender, interest rate, maturity date and whether it is secured or unsecured. If any additional financing facilities have been entered into or are proposed to be entered into after quarter end, include a note providing details of those facilities as well.	

Lender : Justevian Pty Ltd
Facilities: $450,000
Interest: 8.0% p.a.
Security: Australian Bauxite Ltd R&D refund

8.	**Estimated cash available for future operating activities**	**$A'000**
8.1	Exploration and evaluation	(494)
8.2	Development	-
8.3	Production	(494)
8.4	Staff costs	670
8.5	Administration and corporation costs	-
8.6	Other (provide details if material)	670
8.7	**Estimated quarters of funding available (Item 8.6 divided by Item 8.3)**	1.4

8.8 If Item 8.7 is less than 2 quarters, please provide answers to the following questions:

1. Does the entity expect that it will continue to have the current level of net operating cash flows for the time being and, if not, why not?

Answer: No. The Company is not expecting the same level of production costs over the coming quarter, as production will be significantly reduced.

2. Has the entity taken any steps, or does it propose to take any steps, to raise further cash to fund its operations and, if so, what are those steps and how likely does it believe that they will be successful?

Answer: No. The Company is of the view that adequate cashflow will be achieved through funding from operations – sales of mineral and R&D rebates

3. Does the entity expect to be able to continue its operations and to meet its business objectives and, if so, on what basis?

Answer: Yes. Refer to 8.8.2 above.

Compliance statement

1 This statement has been prepared in accordance with accounting standards and policies which comply with Listing Rule 19.11A.

2 This statement gives a true and fair view of the matters disclosed.

Date: 30/04/2020

Authorised by: Ian Levy, Managing Director and CEO
(Name of body or officer authorising release – see note 4)

Notes

1. This quarterly cash flow report and the accompanying activity report provide a basis for informing the market about the entity's activities for the past quarter, how they have been financed and the effect this has had on its cash position. An entity that wishes to disclose additional information over and above the minimum required under the Listing Rules is encouraged to do so.

2. If this quarterly cash flow report has been prepared in accordance with Australian Accounting Standards, the definitions in, and provisions of, *AASB 6: Exploration for and Evaluation of Mineral Resources* and *AASB 107: Statement of Cash Flows* apply to this report. If this quarterly cash flow report has been prepared in accordance with other accounting standards agreed by ASX pursuant to Listing Rule 19.11A, the corresponding equivalent standards apply to this report.

3. Dividends received may be classified either as cash flows from operating activities or cash flows from investing activities, depending on the accounting policy of the entity.

4. If this report has been authorised for release to the market by your board of directors, you can insert here: "By the board". If it has been authorised for release to the market by a committee of your board of directors, you can insert here: "By the [*name of board committee – eg Audit and Risk Committee*]". If it has been authorised for release to the market by a disclosure committee, you can insert here: "By the Disclosure Committee".

5. If this report has been authorised for release to the market by your board of directors and you wish to hold yourself out as complying with recommendation 4.2 of the ASX Corporate Governance Council's *Corporate Governance Principles and Recommendations*, the board should have received a declaration from its CEO and CFO that, in their opinion, the financial records of the entity have been properly maintained, that this report complies with the appropriate accounting standards and gives a true and fair view of the cash flows of the entity, and that their opinion has been formed on the basis of a sound system of risk management and internal control which is operating effectively.