





ABOUT

PepinNini Minerals Limited is a diversified ASX listed Exploration Company focused on developing and discovering major new mineral deposits. The Company has secured strategically located exploration tenements in the Musgrave Province of South and Western Australia, and the Georgetown Inlier of North Queensland.. A portfolio of prospective exploration tenements has been established in Argentina.

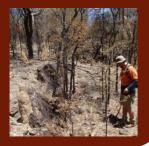
DIRECTORS

Rebecca Holland-Kennedy Managing Director Philip Clifford Technical Director Robert WeiSun Non-Executive Director Sarah Clifton-Brown Finance Director Justin Nelson Company Secretary

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FURTHER INFORMATION Ms Rebecca Holland-Kennedy Managing Director TEL: +61 (0)8 8218 5000 www.pepinnini.com.au



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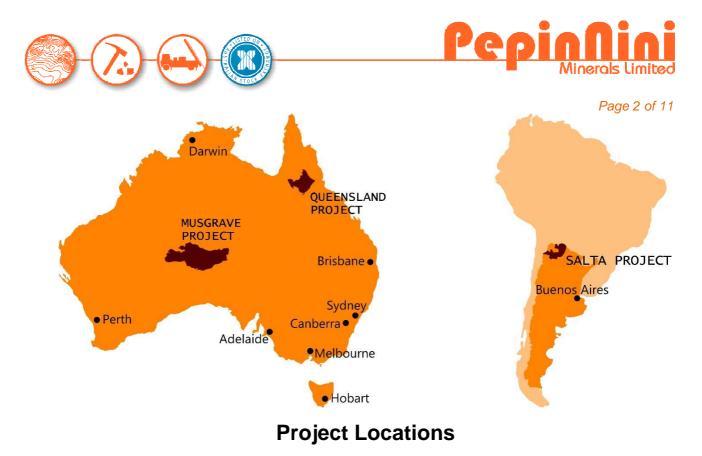
29 April 2016

ASX:PNN

QUARTERLY ACTIVITIES AND CASH FLOW REPORT

MARCH 2016

- Oasis Gold (North Queensland) Reconnaissance mapping and sampling was undertaken at the Southern and Central Prospects of the Lynd Shear Zone investigating gold potential.
- Caroline Project (Central Musgrave) The PNN/CSIRO/SA DSD airborne electromagnetic survey collaboration is further delayed and now scheduled for May 2016.
- Musgrave Project PNN subsidiary NiCul Minerals Ltd(NCL) and Rio Tinto Exploration Pty Ltd (RTX) are continuing to finalise terms of an expanded 70:30 (NCL:RTX) Joint Venture which will include tenements held by both partners and be focussed on the Musgrave Province of SA and WA in search of Copper, Nickel, Cobalt and Platinum Group Elements.
- Spinifex Range Project The company withdrew from the option to purchase agreement with Phosphate Australia Ltd. (ASX:POZ).
- Share Purchase Entitlements Issue commences of two new shares for every three held at record date 16 March 2016 to raise \$1m.
- Exploration Development Incentive(EDI) Scheme success with PNN receiving the full amount applied for of \$190,000 translating to a tax credit distribution of \$57,000 for shareholders of PNN at record date 29 April 2016.



Musgrave Province Projects

PNN's 100% Musgrave Project includes 8 exploration licence applications and 2 granted exploration licences. The tenure covers approximately 14,004 km² of the prospective Musgrave Block within South Australia. In addition to these licences in the name of NiCul Minerals Ltd (NCL) a wholly owned subsidiary of PNN the Musgrave Project also includes the Farm-in Joint Venture with Rio Tinto Exploration which is over five Joint Venture tenements covering 1,378 km². (See Figure 1).

Caroline Project (South Australia)

PNN/NCL is participating in a research and development (R&D) collaboration with the Minerals Down Under (MDU) division of the Commonwealth Scientific & Industry Research Organisation (CSIRO), Geoscience Australia (GA) and the South Australian Department of State Development (SA DSD). Although the program has encountered numerous delays the company has been advised that contractors have been selected to carry out an airborne electromagnetic survey (see Figure 2) with a commencement date awaiting final consent from the Anangu Pitjatjatjara Yunkanyatjara Executive. Scheduling of the survey is anticipated to be during May 2016.

As previously advised, the collaboration will involve the collection and interpretation of airborne electromagnetic datasets across the central Musgrave Region. The project aims to conduct regional electromagnetic data acquisition with the opportunity for PepinNini to undertake detailed infill surveying in a staged approach to assist targeting of nickel-copper sulphide mineralisation across prospect areas within the Company's Caroline and Anerinna Hills Project Areas (figure 2). No detailed high density surveys of this type have been carried out over the areas to be surveyed for PNN/NCL.





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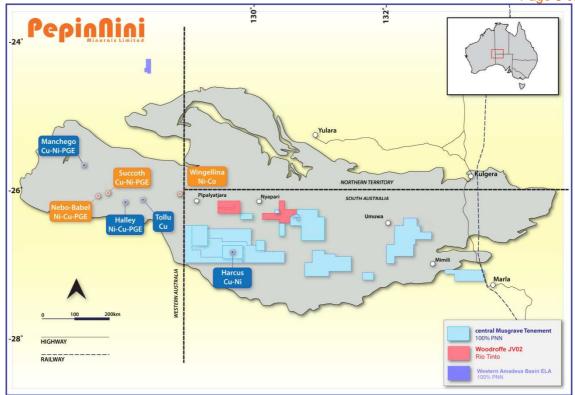


Figure 1: PNN's Musgrave Project locations, South Australia and Western Australia

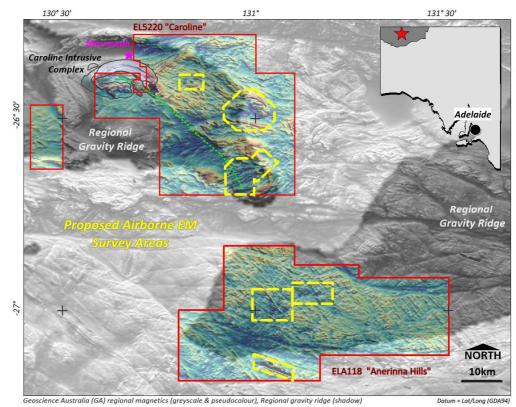


Figure 2 :Proposed Infill Airborne Electromagnetic Survey Areas - Caroline and Anerinna Hills Projects, central Musgrave Region South Australia









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Woodroffe Joint Venture (South Australia)

An extension to the Woodroffe Joint Venture Project (Figure 1) which covers one granted exploration licence EL5185 and four exploration licence applications (ELA211/15, ELA212/15, ELA213/15 and ELA214/15) covering 1,379 km² was established at the beginning of the quarter to enable NCL and Rio Tinto Ltd subsidiary Rio Tinto Exploration Pty Limited to complete and execute an expanded joint venture of 70% NCL and 30% RTX. The new joint venture will include the original Woodroffe Joint Venture tenements, an additional tenement from RTE, and with three tenements from PNN/NCL. The new joint venture once executed will cover approximately 8,000km² of tenure.

The initial focus of the joint venture exploration activities will be to progress the grant of the priority exploration licence applications and follow-up of any prospective nickel-copper-cobalt-PGE sulphide targets generated during the Minerals Down Under (CSIRO division) aerial electromagnetic (AEM) survey .

Spinifex Range Project (Western Australia)

On 8 February the company announced the withdrawal from the Option to Purchase Agreement with Phosphate Australia Ltd (ASX:POZ) covering the Spinifex Range Nickel Copper PGE Project in the West Musgrave Province, Western Australia.









Queensland Uranium and Gold Projects

An initial exploration program to investigate the gold potential of the Company's 100% owned exploration licence (EPM18979-Oasis) located in the Georgetown Inlier, North Queensland was carried out in March 2016. Exploration prior had focused solely on uranium potential at and around the Oasis Uranium Prospect.

Oasis Gold Project (EPM18979)

The Oasis Project lies within the Georgetown Inlier, North Queensland. The Georgetown region has produced significant quantities of gold since the 1800's with the Kidston Gold mine located 35 kilometres west of the Oasis tenement having produced approximately 4.3 million ounces of gold. The licence has been held by PepinNini primarily for its uranium potential at the Oasis Uranium Prospect which occurs within the tenure. It is recognised that the tenure also has gold potential especially within the Lynd Mylonite Zone which comprised the NE-SW trending structural zone extending over 17km between the Etheridge and Cape River geological provinces (figures 3 and 4).

The initial exploration program involved surface mapping and sampling of two of the three prospective prospects (southern and central zones). Reconnaissance fpXRF(X-ray Fluorescence) traverses were trialled across the central zone where there is no outcrop. Unfortunately heavy rain and regional flooding hindered access to the most of the tenure.

The aim of the program was to map out the extent of the Lynd Mylonite Zone and investigate surface evidence of historic drill records from 1985-6 which document encouraging gold intercepts in percussion drilling of the Lynd Mylonite Zone returning 8m @ 6.8g/t gold from 56m depth (Hole number C2 - Figure 6) and 1m @ 1.5g/t gold from 19m depth (Hole number TL4 - Figure 6).

Surface mapping of the Lynd Mylonite zone highlighted extensive continuous outcrops of goethitic haematite quartz veining and quartz breccia in widths 1m - 10m(see Figure 5). A small number of rock chip samples were collected in the southern area (13 samples) showing favourable epithermal breccia textures, returning no significant gold intercepts. Assessment of the potential epithermal pathfinders – silver, lead, zinc, arsenic, molybdenum and antimony is continuing.

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A follow up program will be carried out in the June quarter once access tracks have sufficiently dried out.









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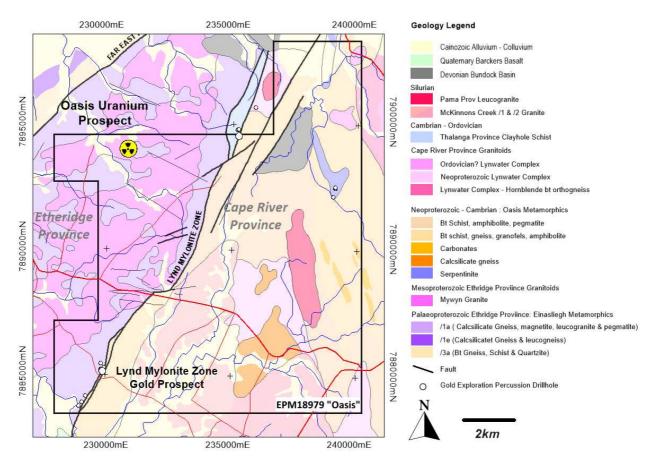


Figure 4 - Regional Geology of EPM18979 "Oasis", Georgetown Block, North Queensland



Photo Plates – quartz vein outcrops in the southern prospect; 1) Crackle breccia; 2) goethitic-haematite rich quartz veins; and 3) Milled matrix breccia



Figure 5 - Extensive quartz veining associated with the Lynd Mylonite Zone









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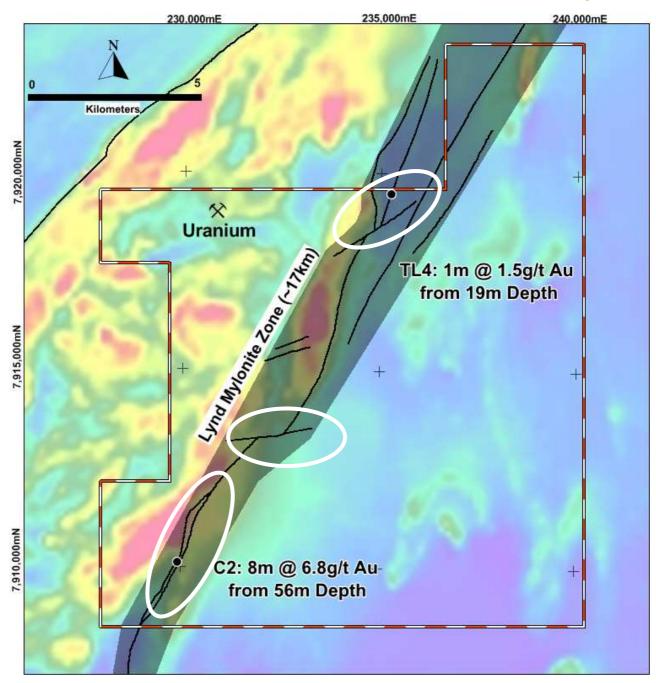


Figure 6 - Lynd Mylonite Zone gold occurrences on regional airborne magnetic image, EPM18979 "Oasis" (Amended from, Mega Uranium)







Argentina Salta Projects

PNN's wholly owned Argentine entity PepinNini SA currently retains the Santa Ines Project which comprises two granted mining leases and two mining lease applications covering approximately 68 km² and which has been the subject of previous exploration activities by the company.

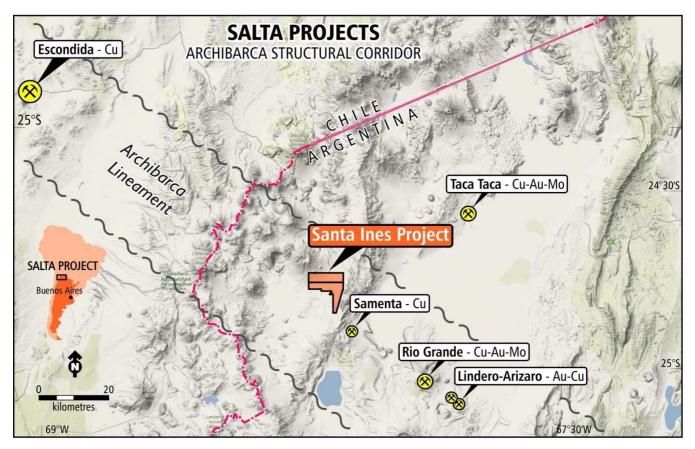


Figure 7: Location of PNN's Santa Ines Project, Salta Province, Argentina.

No field work was carried out during the quarter.

The Company is continuing to actively seeking new project areas within Argentina.

Project Generation

PNN continues to actively seek and assess a variety of gold, precious metal and base metal projects that may present a value adding opportunity to the project portfolio of the company in Australia and Argentina.







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TENEMENT SCHEDULE

Australia

Tenement	Tenement Name	Area Km ²	JV	PepinNini Interest	Grant Date		
South Australia							
EL 5735(subsequent ELA granted)	Mt Harcus	1,607		100%	25/10/10		
EL 5220	Mt Caroline	1,918		100%	25/2/13		
EL 5185	Woodroffe	764	JV02	70%	24/9/12		
ELA 278/82 - replaced by ELA 2015/213& ELA 2015/214	Jalakana	77	JV02	Earning 51%	application		
ELA 491/94replacedELA 2015/211 & ELA 2015/212	Aparatjara	537	JV02	Earning 51%	application		
ELA 118/96 to be reapplied under JV06	Anerinna Hills	2,415		70% *	application		
ELA 185/96	Willugudinna	823		100%	application		
ELA 367/09	Mt Caroline West	46		100%	application		
ELA 368/09	Hanging Knoll	34		100%	application		
ELA 189/15	Katalina	2,360		100%	application		
ELA 190/15	Mt Agnes	1,342		100%	application		
ELA 191/15	Krewinkel Hill	1,256		100%	application		
ELA 197/15	Ironwood Bore	2,202		100%	application		
ELA 211/15 - formerly EX491 to be reapplied under JV06	Tjintalka	184	JV06	70% *	application		
ELA 212/15 - formerly EX491 to be reapplied under JV06	Kapura	160	JV06	70% *	application		
ELA 213/15 - formerly EX278 to be reapplied under JV06	Jalukana	234	JV06	70% *	application		
ELA 214/15 - formerly EX278 to be reapplied under JV06	Tjalukana	37	JV06	70% *	application		
Queensland							
EPM 18979	Oasis	147		100%	17/8/12		
Western Australia							
E69/69/3400 – pending grant	Morgan Range	601	JV06	70%*	application		
Totals		16,130					

* PNN/NCL interest pending finalisation and execution of JV agreement

Argentina

Tenement	Туре	Project	Application	Granted	Applied Area Ha	Title Holder
Mina Santa Ines	Mina	Santa Ines	27-Sep-10	20-Sep-11	18	PNN SA 100%
Santa Ines VIII	Mina	Santa Ines	18-Jul-13	28-Aug-14	3,000	PNN SA 100%
Santa Ines XII	Mina	Santa Ines	11-Oct-14	Not yet	511	PNN SA 100%
Santa Ines XIII	Mina	Santa Ines	11-Oct-14	Not yet	3,311	PNN SA 100%
Total 4					6,840	

The information in this report that relates to Exploration Results and Mineral Resources is based on information compiled by Phil Clifford BSc MAusIMM. Phil Clifford is the Technical Director of PepinNini Minerals Limited and has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration 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". Phil Clifford consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

For further information please contact:

Rebecca Holland-Kennedy Managing Director, PepinNini Minerals Limited Phone: (08) 8218 5000 **Note:** Additional information on PNN Minerals Limited can be found on the website :<u>www.pepinnini.com.au</u>



29 April 2016

Section 1 Sampling Techniques and Data

(Criteria in this section apply to all succeeding sections.)

Criteria	JORC Code explanation	Page 10 of 11 Commentary
ernorna		Commentary
Sampling techniques	 Nature and quality of sampling (eg cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling. Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used. Aspects of the determination of mineralisation that are Material to the Public Report. In cases where 'industry standard' work has been done this would be relatively simple (eg 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (eg submarine nodules) may warrant disclosure of detailed information. 	 Random rock chip sampling - Geochemical sampling. Samples collected on geological basis from outcropping veins displaying epithermal textures and host rocks. Samples are reconnaissance in nature and are not considered to be samples of high representivity.
Drilling techniques	 Drill type (eg core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc). 	 No drilling results are included in the report.
Drill sample recovery	 Method of recording and assessing core and chip sample recoveries and results assessed. Measures taken to maximise sample recovery and ensure representative nature of the samples. Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material. 	No drilling results are included in the report.
Logging	 Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies. Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography. The total length and percentage of the relevant intersections logged. 	No drilling results are included in the report.
Sub-sampling techniques and sample preparation	 If core, whether cut or sawn and whether quarter, half or all core taken. 	 No sample preparation was completed on the rock chips other than crushing and pulverising by the analytical laboratory, which is the standard preparation used for rock chip samples. The sample sizes are considered appropriate for epithermal gold which is present as very fine (micron sized) grains. Sample points were located using a GPS with an estimated accuracy of +/- 5 metres.

ASX RELEASE

Section 1 Sampling Techniques and Data

(Criteria in this section apply to all succeeding sections.)

Criteria	JORC Code explanation	Commentary
	 sampling. Whether sample sizes are appropriate to the grain size of the material being sampled. 	
Quality of assay data and laboratory tests	 The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total. For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc. Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established. 	 Rock chips were assayed in a commercial lab using standard methods – ALS Townsville. Gold was determined by fire assay with AAS finish utilising a 30gm charge weight. Other metals were determined using four-acid digest with ICP-AES finish. Company and laboratory QA/QC samples were introduced into the rock chip assay stream. No calibration factors have been applied to results reported.
Verification of sampling and assaying	 The verification of significant intersections by either independent or alternative company personnel. The use of twinned holes. Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols. Discuss any adjustment to assay data. 	 No drilling results are included in the report. No assay results have been adjusted.
Location of data points	 Accuracy and quality of surveys used to locate drill holes (collar and downhole surveys), trenches, mine workings and other locations used in Mineral Resource estimation. Specification of the grid system used. Quality and adequacy of topographic control. 	 Rock chip sample points were collected using a GPS with an accuracy of +/- 5 metres. Coordinate system MGA94 (Zone 54) / WGS84 datum
Data spacing and distribution	 Data spacing for reporting of Exploration Results. Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied. Whether sample compositing has been applied. 	 The rock chip samples were collected on an opportunistic basis. The data is not appropriate for use in estimating a Mineral Resource estimate and is not intended for such use.
Orientation of data in relation to geological structure	 Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type. If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material. 	 The rock chip samples were collected on an random basis and it is unknown if this results in biased or unbiased sampling.
Sample security	The measures taken to ensure sample security.	 Samples collected and delivered by hand to ALS distribution facility in Townsville and thence in custody of ALS sample security protocol.
Audits or reviews	The results of any audits or reviews of sampling techniques and data.	No audits or reviews of sampling techniques have been completed.

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Rule 5.5

Appendix 5B

Mining exploration entity and oil and gas exploration entity quarterly report

Introduced 01/07/96 Origin Appendix 8 Amended 01/07/97, 01/07/98, 30/09/01, 01/06/10, 17/12/10, 01/05/2013

Name of entity

PepinNini Minerals Limited

ABN

Quarter ended ("current quarter")

55 101 714 989

Mar 2016

Consolidated statement of cash flows

Cash flows related to operating activities		Currentquarter \$A'ooo	Year to date (9 months) \$A'ooo
1.1	Receipts from product sales and related debtors	8	34
1.2	Payments for (a) exploration & evaluation (b) development (c) production	(194)	(945)
	(d) administration	(254)	(603)
1.3	Dividends received		
1.4	Interest and other items of a similar nature received	3	12
1.5	Interest and other costs of finance paid		
1.6	Income taxes paid/refund	0	362
1.7	Other (provide details if material)	0	0
	Net Operating Cash Flows	(437)	(1,140)
	Cash flows related to investing activities		
1.8	Payment for purchases of: (a) prospects	_	_
1.0	(b)equity investments		
	(c) other fixed assets		
1.9	Proceeds from sale of: (a) prospects	-	-
	(b) equity investments	-	-
	(c)other fixed assets	-	22
1.10	Loans to other entities		
1.11	Loans repaid by other entities		
1.12	Other (provide details if material)		
	Net investing cash flows	-	22
1.13	Total operating and investing cash flows (carried forward)	(437)	(1,118)

⁺ See chapter 19 for defined terms.

Appendix 5B Mining exploration entity and oil and gas exploration entity quarterly report

1.13	Total operating and investing cash flows (brought forward)	(437)	(1,118)
1.14 1.15 1.16 1.17 1.18 1.19	Cash flows related to financing activities Proceeds from issues of shares, options, etc. Proceeds from sale of forfeited shares Proceeds from borrowings Repayment of borrowings Dividends paid Other (provide details if material)	- - -	261 - -
	Net financing cash flows	-	261
	Net increase (decrease) in cash held	(437)	(857)
1.20 1.21	Cash at beginning of quarter/year to date Exchange rate adjustments to item 1.20	828	1,248
1.22	Cash at end of quarter	391	391

Payments to directors of the entity, associates of the directors, related entities of the entity and associates of the related entities

		Currentquarter \$A'ooo
1.23	Aggregate amount of payments to the parties included in item 1.2	84
1.24	Aggregate amount of loans to the parties included in item 1.10	

1.25 Explanation necessary for an understanding of the transactions

Chairman, Managing Director, Administration Director and non-executive directors' Remuneration\$76,934.79
 Chairman, Managing Director, Administration Director and non-executive directors' Superannuation \$7,308.78

Non-cash financing and investing activities

2.1 Details of financing and investing transactions which have had a material effect on consolidated assets and liabilities but did not involve cash flows

2.2 Details of outlays made by other entities to establish or increase their share in projects in which the reporting entity has an interest

⁺ See chapter 19 for defined terms.

Financing facilities available Add notes as necessary for an understanding of the position.

		Amount available	Amount used
		\$A'000	\$A'ooo
3.1	Loan facilities		
3.2	Credit standbyarrangements		

Estimated cash outflows for next quarter

		\$A'ooo
4.1	Exploration and evaluation	200
4.2	Development	
4.3	Production	
4.4	Administration	70
	Total	270

Reconciliation of cash

Reconciliation of cash at the end of the quarter (as shown in the consolidated statement of cash flows) to the related items in the accounts is as follows.		Currentquarter \$A'ooo	Previous quarter \$A'ooo
5.1	Cash on hand and at bank	32	469
5.2	Deposits at call	359	359
5.3	Bank overdraft		
5.4	Other (provide details)		
	Total: cash at end of quarter (item 1.22)	391	828

Changes in interests in mining tenements and petroleum tenements

	0	0	I		
		Tenement reference and location	Nature of interest (note (2))	Interest at beginning of quarter	Interest at end of quarter
6.1	Interests in mining tenements and petroleum tenements relinquished, reduced or lapsed	Nil	Nil	Nil	nil
6.2	Interests in mining tenements and petroleum tenements acquired or increased	Nil	Nil	Nil	Nil

⁺ See chapter 19 for defined terms.

Issued and quoted securities at end of current quarter Description includes rate of interest and any redemption or conversion rights together with prices and dates.

		Total number	Number quoted	Issue price per security (see note 3) (cents)	Amount paid up per security (see note 3) (cents)
7.1	Preference				
-	+securities (desc ription)				
7.2	Changes during quarter (a) Increases through issues (b) Decreases through returns of capital, buy- backs, redemptions				
7.3	⁺ Ordinary securities	219,484,486	219,484,486	N/A	N/A
7.4	Changes during quarter (a) Increases through issues (b) Decreases through returns of capital, buy- backs				
7.5	+Convertible debt securities (description)				
7.6	Changes during quarter (a) Increases through issues (b) Decreases through securities matured, converted				
7.7	Options (descri ption and conversion factor)	2,500,000 2,500,000 1,600,000 300,000 300,000 100,000 100,000 100,000	0 (employee) 0 (employee) 0 (employee) 0 (employee) 0 (employee) 0 (employee) 0 (employee) 0 (employee) 0 (employee)	<i>Exercise price</i> 4c 6c 12.5c 3c 6c 10c 3c 6c 10c	<i>Expiry date</i> 1 Jun 16 1 Jun 16 9 Nov 17 9 Nov 18 9 Nov 19 31 Jan 19 31 Jan 20 31 Jan 21
7.8	lssued during quarter	100,000 100,000 100,000	0 (employee) 0 (employee) 0 (employee)	3c 6c 10c	31 Jan 19 31 Jan 20 31 Jan 21
7.9	Exercised during quarter			100	
7.10	Expired during quarter				
7.11	Debentures (totals only)				

⁺ See chapter 19 for defined terms.

7.12	Unsecured notes	
	(totals only)	

Compliance statement

- ¹ This statement has been prepared under accounting policies which comply with accounting standards as defined in the Corporations Actor other standards acceptable to ASX (see note 5).
- 2 This statement does give a true and fair view of the matters disclosed.

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Date: Friday 29 April 2016

Sign here:

(Director/Company secretary)

Print name: Justin Nelson.....

⁺ See chapter 19 for defined terms.

Notes

- The quarterly report provides a basis for informing the market how the entity's activities have been financed for the past quarter and the effect on its cash position. An entity wanting to disclose additional information is encouraged to do so, in a note or notes attached to this report.
- 2 The "Nature of interest" (items 6.1 and 6.2) includes options in respect of interests in mining tenements and petroleum tenements acquired, exercised or lapsed during the reporting period. If the entity is involved in a joint venture agreement and there are conditions precedent which will change its percentage interest in a mining tenementor petroleum tenement, it should disclose the change of percentage interest and conditions precedent in the list required for items 6.1 and 6.2.
- 3 **Issued and quoted securities**The issue price and amount paid up is not required in items 7.1 and 7.3 for fully paid securities.
- 4 The definitions in, and provisions of, *AASB 6: Exploration for and Evaluation of Mineral Resources* AASB 107: Statement of Cash Flows apply to this report.
- 5 **Accounting Standards** ASX will accept, for example, the use of International Financial Reporting Standards for foreign entities. If the standards used do not address a topic, the Australian standard on that topic (if any) must be complied with.

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⁺ See chapter 19 for defined terms.