



# QUARTERLY ACTIVITIES REPORT

FOR QUARTER ENDED 30 June 2015

## HIGHLIGHTS

### EXPLORATION

Field program commences – Phase 1 program defining priority drill targets on Beatrice JV and Tin camp Creek Projects using advanced geophysical and geochemical techniques;

- To date 1027 samples of covering sandstone have been collected for radiogenic isotope analysis over 5 target areas
- SAM geophysical surveys have been flown (1300 line km) over 7 target areas looking for the conductive responses associated with large, concealed uranium deposits

Phase 1 exploration results due first week of August.

Detailed ground radiometric survey defines strong radiometric anomaly south of Beatrice Prospect. Peak of anomaly trends to the south and is coincident with SAM Radiometric and SAM anomalies indicate high grade mineralisation may extend under cover to the south and are untested by previous drilling.

Reconnaissance rock sampling located outcropping uranium mineralisation two kilometres north west of Beatrice the significance of which is still being assessed.

Drilling is planned to commence in early September.

### CORPORATE

Mr Greg Hall is welcomed to the Board of Alligator Energy Ltd.

Company maintains a solid cash position, \$2.36m at 30 June 2015.

**Alligator Energy**

ABN 79140575604

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Fortitude Valley, QLD 4006

Ph: (07) 3852 4712

Fax: (07) 3852 5684

ASX Code: AGE

Number of Shares:  
311.5M Ordinary Shares  
16.2M Unlisted Options

Board of Directors:

Mr John Main  
(Chairman)

Mr Robert Sowerby  
(CEO, Director)

Mr Paul Dickson  
(Non Exec. Director)

Mr Peter McIntyre  
(Non Exec. Director)

Mr Andrew Vigar  
(Non Exec. Director)

Mr Greg Hall  
(Non Exec. Director)

## EXPLORATION ACTIVITIES

Exploration programs commenced across the company's three uranium tenements; **Tin Camp Creek**, **Beatrice** and **Mamadawerre**, in Arnhem Land, in the Northern Territory (see Figure 1, Project Location Map).

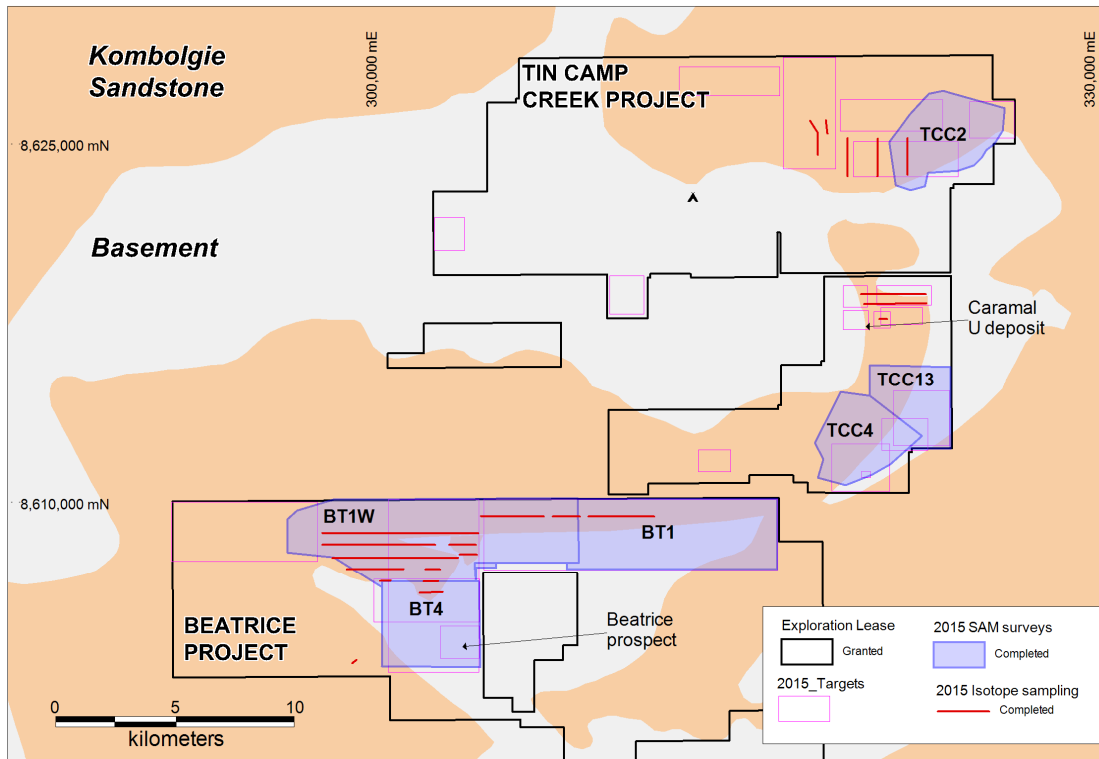


Figure 1: June Quarter survey areas

### Beatrice Project

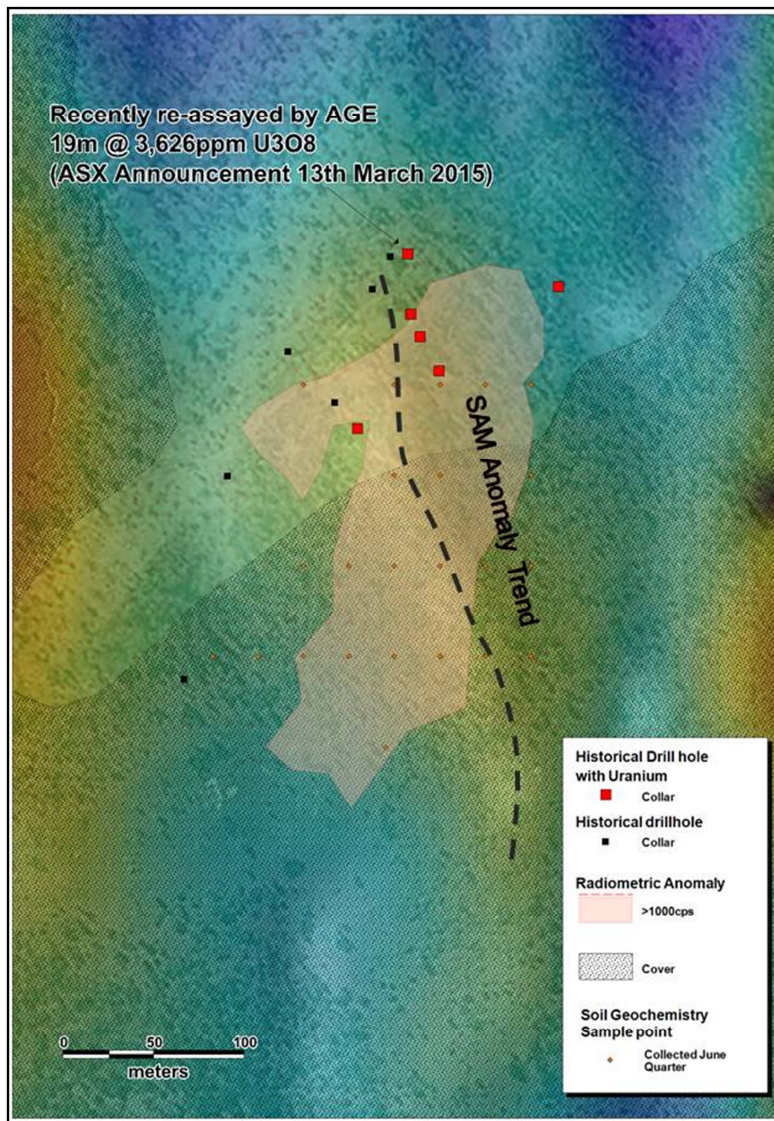
The Beatrice Project is a Joint Venture between Alligator and Cameco Australia Pty Ltd (Cameco) where Alligator may earn a 51% interest in the Beatrice tenement by expending \$250,000 by 2 July 2016.

**Work conducted during the June Quarter has consisted of:**

- Ground radiometric surveys, sampling and mapping over the Beatrice prospect and other known uranium anomalies
- SAM geophysical surveys over the Beatrice prospect, and the BT-1 and BT-3/4 target areas
- Radiogenic isotope sampling programs over the same target areas

**Results as reported in ASX release 11 June 2015 show:**

A detailed ground radiometric survey at the Beatrice prospect was undertaken to define in greater detail a strong radiometric anomaly associated with the known mineralisation. The survey showed the peak of the anomaly to be trending north-south coincident with both magnetic and SAM geophysical features giving great confidence that the outcropping mineralisation may exist under the soil cover several hundred metres to the north and south. These potential extensions represent excellent drill targets.



**Figure 2: Beatrice prospect – Current work area showing results from June Quarter radiometric surveys.**

Reconnaissance mapping and surface rock sampling undertaken on five known radiometric anomalies to the north of the *Beatrice prospect* as part of a systematic survey of radiometric anomalies on the *Beatrice Project* area showed two had uranium mineralisation and were worthy of further work. Also uranium mineralisation has been identified two kilometres NNW of the *Beatrice prospect* in a N-S trending fault zone that has no associated airborne radiometric anomaly. Uranium values up to 1,934ppm U<sub>3</sub>O<sub>8</sub> were returned (refer ASX Announcement 10 June 2015). These occurrences are being covered in the current SAM geophysical surveys.

Inspection of radiometric anomalies in the northern part of the *Beatrice Project* area identified radiogenic groundwater emanating from the Beatrice Fault suggesting a source of uranium nearby. This area will be covered by both SAM geophysical and radiogenic isotope sampling.

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## Tin Camp Creek Project

Work carried out during the quarter included:

- SAM geophysical surveys over the TCC-2, TCC-4 and TCC-13 target areas; preliminary results have been received
- Infill Radiogenic isotope sampling programs in the TCC-2 target area; results awaited
- Radiogenic isotope analysis of existing core to refine three dimensional models of radiogenic isotope distribution and decay in the covering sandstone

The TCC-4 and TCC-13 target areas incorporate the Orion South and Mintaka prospects areas respectively. Extensive radiogenic isotope sampling of the covering sandstone undertaken in 2014 has identified first-order anomalies to the west of these prospects. High grade mineralisation has previously been intersected at the South Horn and Mintaka indicating a metal rich environment. The focus of the current detailed SAM surveys is to identify conductors and structures under the sandstone cover rocks which may reflect high-grade uranium mineralisation within basement host rocks.

The TCC-2 prospect (also called the Pterodactyl prospect) is located north of the Orion North and NE Myra prospect areas which were drill tested in 2014 revealing narrow zones of uranium mineralisation. It is a well-defined linear, radiogenic isotope anomaly in surface sandstone samples and drill core stretching over 1200 metres. The objective of the current SAM geophysical survey in this area is to define a basement conductor reflecting a large uranium source for this anomaly and the radiogenic water emerging in springs at the base of the sandstone.

## Mamadawerre Project

Mapping and surface sampling for radiogenic isotope analysis was undertaken during the June Quarter to follow up anomalies identified by the 2014 VTEM survey. The focus of work was an area defined by the intersection of the Goomadeer and Steptoe Fault zones. Further work will be planned once final results have been received and collated.

## Community and Environment

Annual consultation meetings with the Traditional Owners of the land incorporated in Alligator's Project areas facilitated by the Northern Land Council (NLC) were held in April and May. Alligator considers the outcomes of these meetings to have been positive and constructive with valuable input from the Traditional Owners on a number of issues including access options for the Beatrice Project area.

Alligator has also been involved and supported efforts of the Traditional Owners to manage mission grass infestations in the Beatrice and Tin Camp Creek areas as part of the protection and management of their country.

## Research and Development (R&D)

Alligator's R&D program is focused on developing innovative techniques for exploration targeting for unconformity uranium deposits. Additional radiogenic isotopes of sandstone core samples above known basement uranium occurrences in the Tin Camp Creek and Mamadawerre Project areas were sent for analysis. This will permit building of three-dimensional models of radiogenic isotope distribution and decay and allow smarter interpretation of radiogenic isotope data from all samples collected in the quarter.

Experimentation with both the SAM and FLEM (Fixed Loop Electromagnetics) methods was undertaken to determine the most effective electrode configurations to maximise response from concealed basement rocks. Advanced techniques for processing late time signal decay responses from SAM/TFEM (Total Field Electromagnetic) surveys are also being trialled.

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## CORPORATE

### Cash at Bank

The Company has maintained a sound cash position and as at 30 June 2015, had cash reserves of \$2.36 million. Further details of the cashflow for the quarter are included in the Appendix 5B.

### Director Appointment

Subsequent to the end of the Quarter, the Company announced the appointment of Greg Hall as a non-executive director.

Greg joined the Company after more than 27 years' experience as an executive in the resources sector. His experience includes employment with large listed companies such as North, WMC and Rio Tinto as well as listed juniors such as Toro Energy and Hillgrove Resources.

Importantly Greg has a deep understanding of the uranium sector through his role as Marketing Manager for ERA/Rio Tinto Uranium and the evaluation/approval of WA's first fully uranium project (as MD and Non-Executive Director) with Toro Energy Ltd.

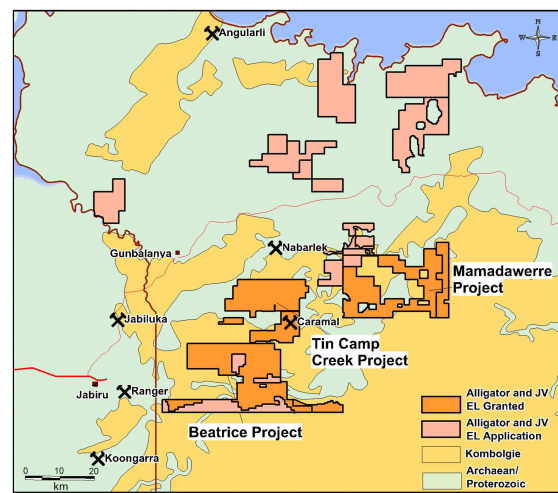
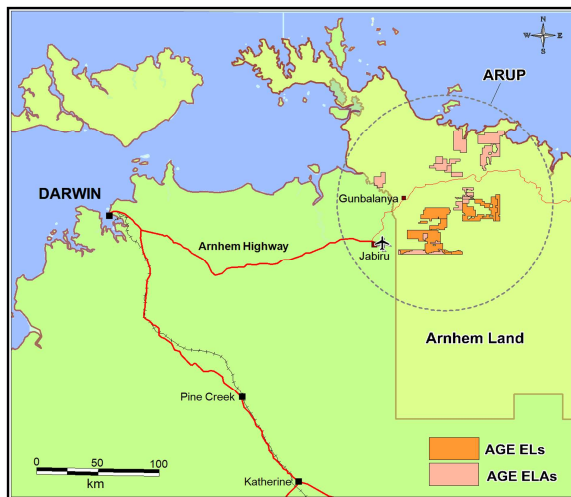
## Competent Person's Statement

Information in this report is based on current and historic Exploration Results compiled by Mr Rob Sowerby who is a Member of the Australasian Institute of Geoscientists. Mr Sowerby is CEO and Director of Alligator Energy Ltd, and has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity he is 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 Sowerby consents to the inclusion in this release of the matters based on his information in the form and context in which it appears.

## About Alligator Energy

Alligator Energy Ltd is an Australian, ASX listed, exploration company with uranium exploration tenements in the world class Alligator Rivers Uranium Province in Arnhem Land, Northern Territory. The Alligator Rivers Uranium Province hosts nearly 1 billion pounds of high grade uranium resources and past production, including the Ranger Mine and Jabiluka. Since listing in February 2011, the company has completed in excess of 15,000m of drilling, defined a maiden high grade, JORC compliant resource at Caramal (6.5Mlb U<sub>3</sub>O<sub>8</sub> at 3100ppm U<sub>3</sub>O<sub>8</sub>) and discovered new mineralization at Mintaka and Orion East. High Grade mineralization also occurs at the historic South Horn and Gorrunghar prospect which remain only partially tested.

The company has in excess of 1000km<sup>2</sup> of Exploration Licence applications and is also in Joint Venture with Cameco Australia Pty Ltd for the Mamadawerre Project and Beatrice Project, also within the Alligator Rivers Uranium Province.



### Project Location Diagrams and Exploration Licences

#### FOR FURTHER INFORMATION, PLEASE CONTACT

Mr Rob Sowerby  
Chief Executive Officer

Alligator Energy Ltd  
Email: [info@alligatorenergy.com.au](mailto:info@alligatorenergy.com.au)

# Appendix 5B

## Mining 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

Name of entity

ALLIGATOR ENERGY LTD

ABN

79 140 575 604

Quarter ended ("current quarter")

30 June 2015

### Consolidated statement of cash flows

	Current quarter \$A'000	Year to date \$A'000
<b>Cash flows related to operating activities</b>		
1.1 Receipts from product sales and related debtors	-	-
1.2 Payments for (a) exploration & evaluation	(718)	(3,655)
(b) development	-	-
(c) production	-	-
(d) administration	(170)	(894)
1.3 Dividends received	-	-
1.4 Interest and other items of a similar nature received	25	79
1.5 Interest and other costs of finance paid	-	-
1.6 Income taxes (paid)/ received- R&D	471	1,029
1.7 Other (provide details if material)- Collaborative NTGS Grants	35	70
	(357)	(3,371)
<b>Net Operating Cash Flows</b>		
<b>Cash flows related to investing activities</b>		
1.8 Payment for purchases of: (a) prospects	-	-
(b) equity investments	-	-
(c) other fixed assets	(63)	(146)
1.9 Proceeds from sale of: (a) prospects	-	-
(b) equity investments	-	-
(c) other fixed assets	-	20
1.10 Loans to other entities	-	-
1.11 Loans repaid by other entities	-	-
1.12 Other - Security Deposits	-	-
	(63)	(126)
<b>Net investing cash flows</b>		
1.13 Total operating and investing cash flows (carried forward)	(420)	(3,497)

+ See chapter 19 for defined terms.

**Appendix 5B**  
**Mining exploration entity quarterly report**

1.13	Total operating and investing cash flows (brought forward)	(420)	(3,497)
	<b>Cash flows related to financing activities</b>		
1.14	Proceeds from issues of shares, options, etc.	29	4,100
1.15	Proceeds from sale of forfeited shares	-	-
1.16	Proceeds from borrowings	-	-
1.17	Repayment of borrowings	-	-
1.18	Dividends paid	-	-
1.19	Other - Capital Raising Costs	-	(289)
	<b>Net financing cash flows</b>	29	3,811
	<b>Net increase (decrease) in cash held</b>	(391)	314
1.20	Cash at beginning of quarter/year to date	2,754	2,049
1.21	Exchange rate adjustments to item 1.20		
1.22	<b>Cash at end of quarter</b>	2,363	2,363

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

		Current quarter \$A'000
1.23	Aggregate amount of payments to the parties included in item 1.2	90
1.24	Aggregate amount of loans to the parties included in item 1.10	Nil

1.25 Explanation necessary for an understanding of the transactions

Directors' fees, salaries and superannuation totalled \$90k before amounts then used to subscribe for ordinary shares in the Company under the Directors' Fee Plan approved at the AGM on 21 November 2014 which totalled \$29.3k.

**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

Nil

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

Nil

+ See chapter 19 for defined terms.



### Financing facilities available

Add notes as necessary for an understanding of the position.

	Amount available \$A'000	Amount used \$A'000
3.1 Loan facilities	-	-
3.2 Credit standby arrangements	-	-

### Estimated cash outflows for next quarter

	\$A'000
4.1 Exploration and evaluation	1,318
4.2 Development	-
4.3 Production	-
4.4 Administration	281
<b>Total</b>	<b>1,599</b>

### 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.	Current quarter \$A'000	Previous quarter \$A'000
5.1 Cash on hand and at bank	314	445
5.2 Deposits at call	2049	2,309
5.3 Bank overdraft	-	-
5.4 Other (provide details)	-	-
<b>Total: cash at end of quarter (item 1.22)</b>	<b>2,363</b>	<b>2,754</b>

### Changes in interests in mining tenements

	Tenement reference	Nature of interest (note (2))	Interest at beginning of quarter	Interest at end of quarter
6.1 Interests in mining tenements relinquished, reduced or lapsed	NIL			
6.2 Interests in mining tenements acquired or increased	NIL			

+ See chapter 19 for defined terms.

**Appendix 5B**  
**Mining exploration entity quarterly report**

**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 <b>Preference +securities</b> <i>(description)</i>	NIL	NIL		
7.2 Changes during quarter (a) Increases through issues (b) Decreases through returns of capital, buy-backs, redemptions				
7.3 <b>+Ordinary securities</b>	311,200,459	311,200,459		
7.4 Changes during quarter (a) Increases through issues (b) Decreases through returns of capital, buy-backs	668,500 -	668,500 -	4.3 cents	4.3 cents
7.5 <b>+Convertible debt securities</b> <i>(description)</i>	NIL	NIL		
7.6 Changes during quarter (a) Increases through issues (b) Decreases through securities matured, converted				
7.7 <b>Options</b> <i>(description and conversion factor)</i>			<i>Exercise price</i>	<i>Expiry date</i>
	6,250,000	-	\$0.20	21 Nov 2015
	2,000,000	-	\$0.25	30 Nov 2015
	700,000	-	\$0.15	7 Mar 2017
	1,000,000	-	\$0.00	2 May 2017
	2,205,882	-	\$0.00	26 Nov 2017
	2,035,648	-	\$0.00	31 Jan 2016
	2,035,648	-	\$0.00	21 April 2018
7.8 Issued during quarter	2,035,648 2,035,648	- -	\$0.00 \$0.00	31 Jan 2016 21 April 2018
7.9 Exercised during quarter	-	-	-	-
7.10 Expired during quarter	-	-	-	-
7.11 <b>Debentures</b> <i>(totals only)</i>	NIL	NIL		
7.12 <b>Unsecured notes</b> <i>(totals only)</i>	NIL	NIL		

+ See chapter 19 for defined terms.

## Compliance statement

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



Mike Meintjes  
Company Secretary  
30 July 2015

## Notes

- 1 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 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 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* and *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.