

Thursday, 16 June 2011

**AUSTRALIAN SECURITIES EXCHANGE  
COMPANY ANNOUNCEMENTS PLATFORM  
ASX CODE: USA**

## **COLUMN LEACH TRIALS**

### **Mullaquana Uranium Project Eyre Peninsula, South Australia**

UraniumSA advises that ANSTO (Australian Nuclear Science and Technology Organisation), Sydney based metallurgical consultants, have completed the build of leach column(s) which are being charged with mineralised drill core from the Blackbush deposit. Final laboratory checks are being carried out and the circulation of leach liquors has commenced.

The mineralised material used to charge the columns has been separately subject to further bottle roll tests to confirm parameters for the column leach trials. The liquors from these bottle rolls are being used to further screen the candidate resins which have been identified as effective in the extraction of uranium from acidified saline solutions (ASX release dated 10 June 2011). The present intention is that the best of the resins from this screening procedure will be trialled against the liquors produced from the column leach trials.

This work is a continuation of the identification and development of metallurgical processes for the project. Information generated from the column leach trials will be used to build process flowcharts for the design of the field trial facility which is to be constructed at the Blackbush deposit. The purpose of the field trial is to provide a proof-of-concept for the production of yellow-cake by in-situ recovery (ISR).

The present schedule for the development of the Blackbush deposit to production is:

- 3<sup>rd</sup> Qtr. 2011 - submission of application for Retention Lease for an ISR field trial.
- 4<sup>th</sup> Qtr. 2011 - issue of Retention Lease for an ISR field trial.
- 1<sup>st</sup> Qtr. 2012 - commencement of ISR field trial.
- 1<sup>st</sup> Qtr. to 2<sup>nd</sup> Qtr. 2012 - run ISR field trial for resource upgrade and mine design.
- 2<sup>nd</sup> Qtr. to 3<sup>rd</sup> Qtr. 2012 - submission of mining proposal.
- 3<sup>rd</sup> Qtr. to 4<sup>th</sup> Qtr. 2012 - commencement of site works.
- 4<sup>th</sup> Qtr. 2012 to 1<sup>st</sup> Qtr. 2013 - first 100tpa production module.
- 2<sup>nd</sup> Qtr. to 3<sup>rd</sup> Qtr. 2013 - production ramp up to 400tpa.

## About UraniumSA Limited



UraniumSA is an Adelaide based uranium only explorer specialising in sediment hosted styles of uranium mineralisation within a substantial portfolio of properties in South Australia's Gawler Craton.

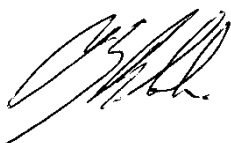
The Company has discovered sediment hosted uranium mineralisation within its Mullaquana Project, 20km south of the industrial city of Whyalla on the eastern Eyre Peninsula in South Australia.

The inventory of sediment-hosted uranium mineralisation in the Blackbush and Plumbush deposits within the Mullaquana project is some 19,000 tonnes of  $U_3O_8$  (equivalent to approximately 42 million pounds). The Blackbush deposit is being advanced towards the commencement of a field trial for an in-situ recovery operation with a production objective of late 2012 to early 2013.

Continued drilling of the Plumbush deposit will grow the resource base and updated estimates will be released during 2011.

The Company has recently discovered significant thickness and grades of uranium mineralisation in the granite basement which underlies the sediment-hosted mineralisation at Blackbush. Laboratory studies to understand the genesis of this mineralisation and to develop exploration targeting criteria are underway.

Through its own tenure and by Joint Venture the Company has exploration control over what it considers the most prospective portions of the Pirie Basin.



Russel Bluck

Executive Chairman  
UraniumSA Limited

*The exploration results and mineral resources reported herein, insofar as they relate to mineralisation, are based on information compiled by Mr Russel Bluck, Managing Director, UraniumSA Limited who is a Member of the Australian Institute of Geoscientists and has sufficient experience relevant to the style of mineralisation and type of deposits being considered, and to the activity which is reported to qualify as a Competent Person as defined by the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (the JORC Code, 2004 Edition). Mr. Bluck consents to the inclusion in the report of matters based on his information in the form and context in which it appears. It should be noted that the abovementioned exploration results are preliminary.*