

Monday, 6 September 2010

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

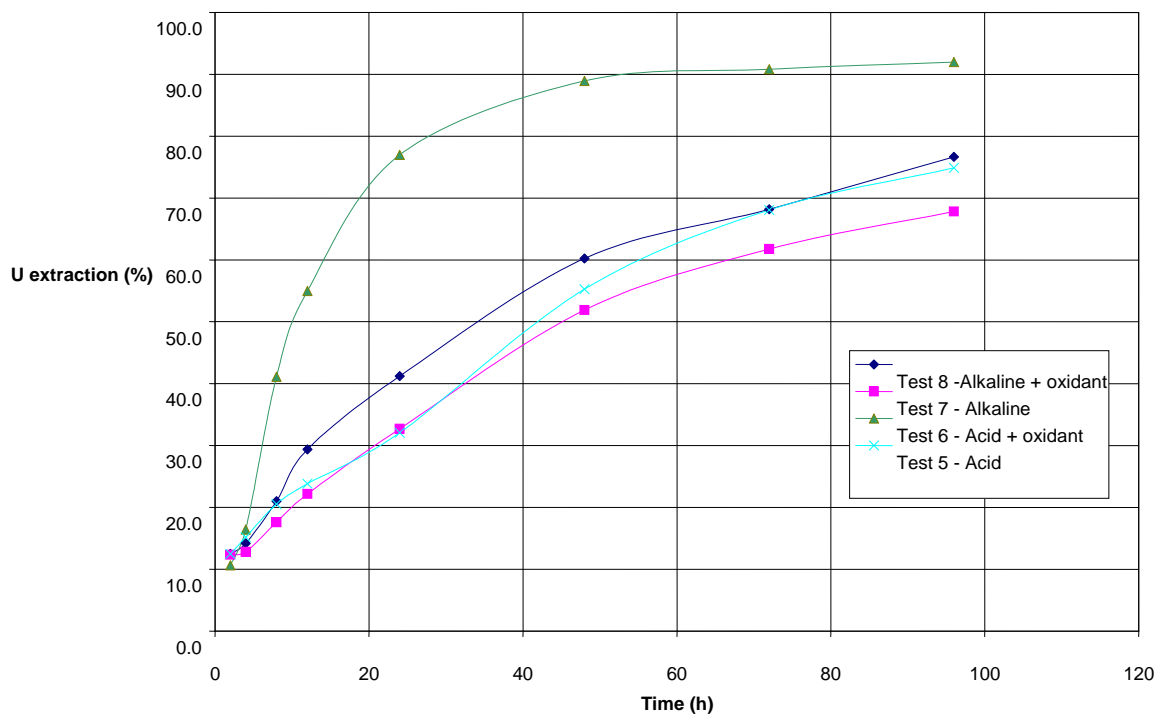
## Initial Metallurgical Results

### Mullaquana Project, Eyre Peninsula, South Australia

The Company is pleased to advise that preliminary results of bottle roll tests on drill core samples have been received. These preliminary results indicate that the uraninite/coffinite mineralisation found in drill core samples from the Blackbush Prospect (ASX release dated 3<sup>rd</sup> September 2010) is soluble under a range of conditions in laboratory bottle roll tests. It is emphasised that these are results from bottle roll testing and do not necessarily reflect what may be achieved in field leach trials.

Summary data is presented below. Overall, acid consumption was moderate to low as were oxidant requirements. Detailed results will be provided on completion of the initial laboratory testing.

**Round 2 Bottle Roll Tests**



The laboratory testing program has comprised an initial round of beaker scout tests which were used to establish the parameters used in the scout bottle roll tests. The results from the scout bottle rolls tests were used to establish the leaching conditions for the work reported herein. Another round of bottle roll tests will be conducted to examine low, medium and high grade core samples and will be reported as they are completed, scheduled for mid October 2010

## 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. The Blackbush Prospect has an Inferred Mineral Resource of 12Mt at 0.02% eU<sub>3</sub>O<sub>8</sub> with an estimated 2,700t contained U<sub>3</sub>O<sub>8</sub>. The Company is working to advance the Blackbush Prospect to an in-situ-recovery field trial as soon as practicable. Continuing drilling to expand the resource base is obtaining intersections significantly above deposit average grade and thickness. The objective is to expand the resource base through incremental addition and new discovery.

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  
Managing Director  
UraniumSA Limited

*The exploration results 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 her information in the form and context in which it appears. It should be noted that the abovementioned exploration results are preliminary.*