



## ASX RELEASE

Wednesday, 25 August 2010

# Toro completes excavation of a mineralised sample at its Wiluna Uranium Project Resource Test Pit at Wiluna in WA

Toro Energy Limited (ASX: TOE) ("Toro") has completed the extraction of a bulk mineralised sample from a Resource Test Pit at its 100% owned Wiluna Uranium Project.

Over the past month 22,100 tonnes of material were extracted from the Test Pit within the following categories:

- |                                     |                             |
|-------------------------------------|-----------------------------|
| • Barren topsoil and waste          | 12,200 tonnes               |
| • 100 - 200ppm mineralised material | 4,700 tonnes @ 150ppm eU3O8 |
| • 200 - 500ppm mineralised material | 2,200 tonnes @ 350ppm eU3O8 |
| • >500ppm mineralised material      | 3,000 tonnes @ 900ppm eU3O8 |

*(Note: Grades are estimates from gamma readings taken by a Uranium Grade Survey Monitor (UGSM) mounted on a vehicle during pit grade control work. The UGSM is calibrated against known standards on site, and final grades are subject to confirmation by assays).*

The Test Pit has successfully demonstrated:

- The proposed mining method using a Vermeer continuous mining machine was very effective, with excellent cut rates;
- The grade control and mineralised material selectivity system;
- Similar distribution of mineralised material grades to that seen in drilling data;
- Dust collection system on the miner worked very well.

The Test Pit provided a bulk mineralised material sample for further definitive test work, allowing Toro to advance the testwork stage of the Bankable Feasibility Study and finalise a processing option.

Pit operations commenced one month ago, with initial pre-stripping of barren surface soil and material to allow commencement of selective mineralised sample extraction. A Vermeer continuous mining machine (as pictured) successfully cut and mined the calcrete hosted mineralised and waste material, which was then removed with ancillary loading and trucking equipment.

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*Figure 1: Vermeer machine cutting pit floor*



*Figure 2: Excavator and loader selectively removing waste and mineralised material for stockpiling*

The Vermeer machine had no difficulty cutting the harder calcrete and cap material, nor mining the compacted sands, clays and calcretes which comprise the uranium mineralised material.

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A selective grade control system was successfully demonstrated by gamma mapping of the pit floor using a vehicle mounted focussed gamma probe. This mapped the mineralised material and waste prior to cutting, which then was selectively removed after a cut of approximately 25 to 30 cm. The process was repeated each cut to ensure maximum selectivity.



Figure 3: Vehicle mounted Gamma logger for pit floor grade mapping



Figure 4: Carnotite mineralised material



*Figure 5: Wiluna Project resource Test Pit site*



*Figure 6: WA Government regulators visit the Resource Test pit during initial operations*

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Completion of the Resource Test Pit has provided Toro with invaluable information enabling the company to be well positioned to complete the Bankable Feasibility Study. In particular it has enabled Toro to:

- develop a better geological understanding of Wiluna’s uranium mineralisation and underlying clays;
- validate mineral resource grade estimates, test selective mining methods and develop mining parameters to convert more of Wiluna’s uranium mineral resource to ore reserve;
- sample the mineralised zone and provide test material to optimise process flowsheet design from metallurgical characterisation and metallurgical testing; and
- develop an operational and environmental management strategy for mine groundwater.

While ground water inflows were higher than anticipated, partly due to less optimal performance of the installed geopolymer barrier, further groundwater management tests will now be planned, including modifications to the geopolymer barrier and other trials.

The Test Pit proceeded under a Mining proposal and a Project Management Plan approved by the Western Australian Department of Mines and Petroleum. It also received clearance by Native Title claimants. Three members of the Wiluna indigenous community are employed on the Test Pit work and two local earthmoving enterprises have been engaged for loading, trucking and ancillary pit and surrounding activities. Toro has hosted recent site visits by government regulators and Traditional Owners.

The completion of the Wiluna Project Resource Test Pit is an important milestone for Toro as it moves toward its goal of uranium production in 2013.

**Greg Hall**  
Managing Director

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*The information in this report that relates to Test Pit exploration results is based on information compiled by Mr Craig Gwatkin who is a Member of the Australasian Institute of Mining and Metallurgy (AusIMM). Mr Gwatkin is a fulltime employee of Toro Energy Limited 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 Persons as defined in the 2004 Edition of the ‘Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves’. Mr Gwatkin consents to the inclusion in this release of the matters based on his information in the form and context in which it appears.*

Toro Energy is a modern Australian uranium company with progressive project development, acquisition and growth. The company is based in Adelaide, South Australia with a project office in Perth, Western Australia.

Toro's flagship and wholly-owned Wiluna uranium project (includes existing mining lease) is 30 kilometres southeast of Wiluna in Central Western Australia.

Wiluna contains two shallow calcrete deposits, Lake Way and Centipede, with prefeasibility and optimisation studies completed and a definitive feasibility study underway. Toro has commenced the Approvals process targeting the Company's first uranium production by late 2012/early 2013.

Toro has three other exploration and development projects in Western Australia, and owns uranium assets in Northern Territory, South Australia and in Namibia, Africa. Toro is well funded with a supportive major shareholder in OZ Minerals.

[www.toroenergy.com.au](http://www.toroenergy.com.au)

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