

The Wiluna Uranium Project, Western Australia: Bringing a new project to the market

23-27 June 2014 URAM 2014 - IAEA Australia's Leading Development Stage Uranium Company

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Toro Energy:

A Pure Play Uranium Company Positioning for the Market Recovery

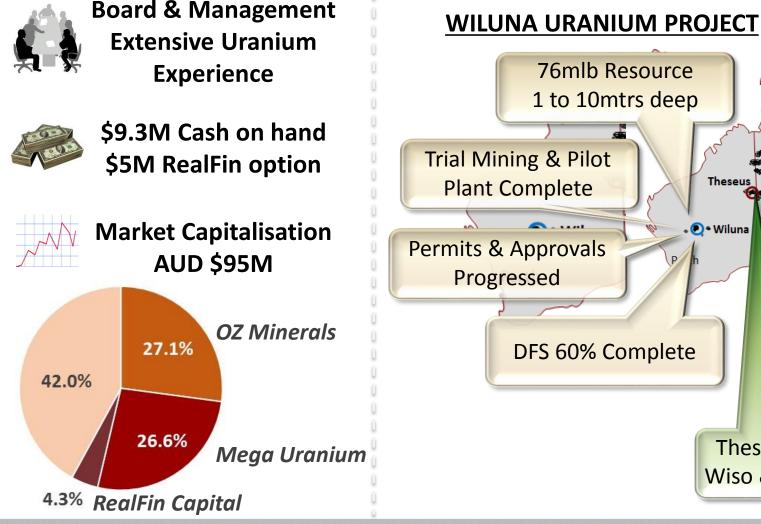
Toro Snapshot

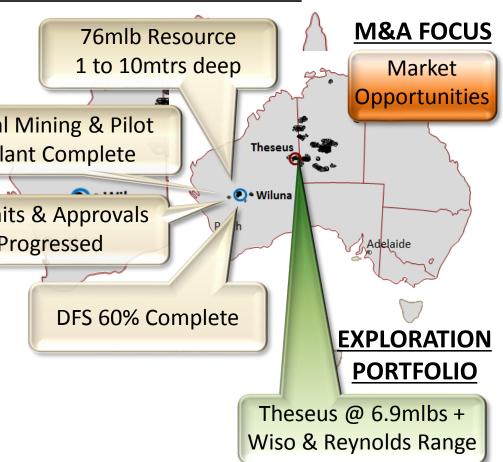
STRUCTURE



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GROWTH ASSETS & STRATEGY





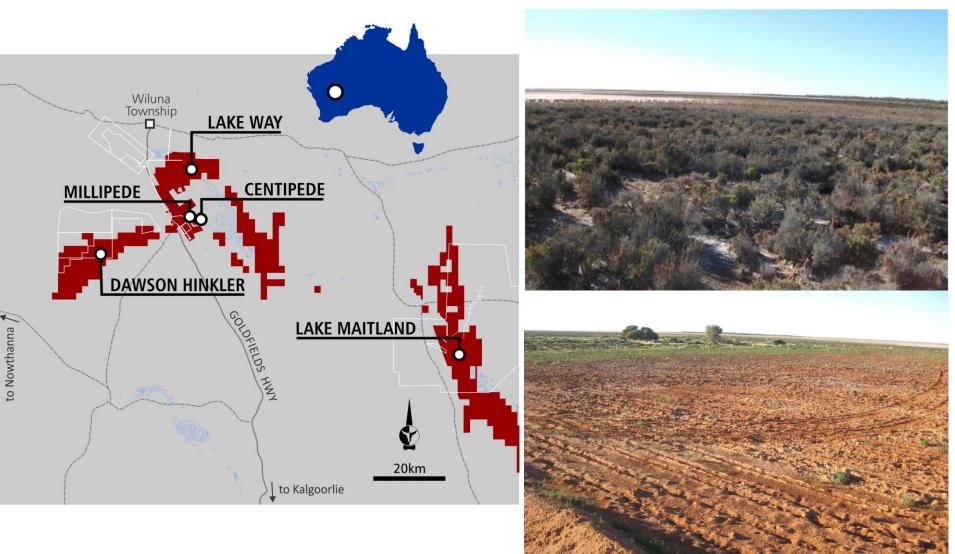


Wiluna Uranium Project:

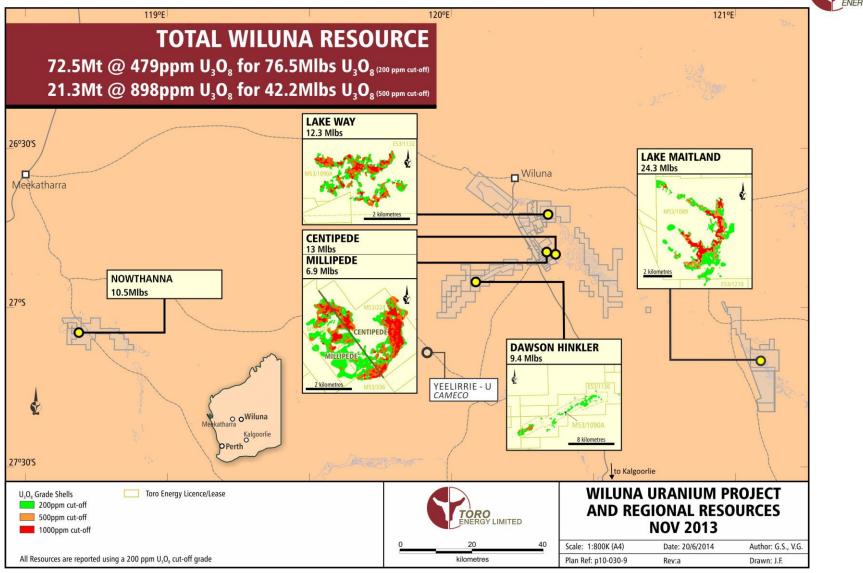
an environmental approvals case study

Project Overview





Six Regional Deposits

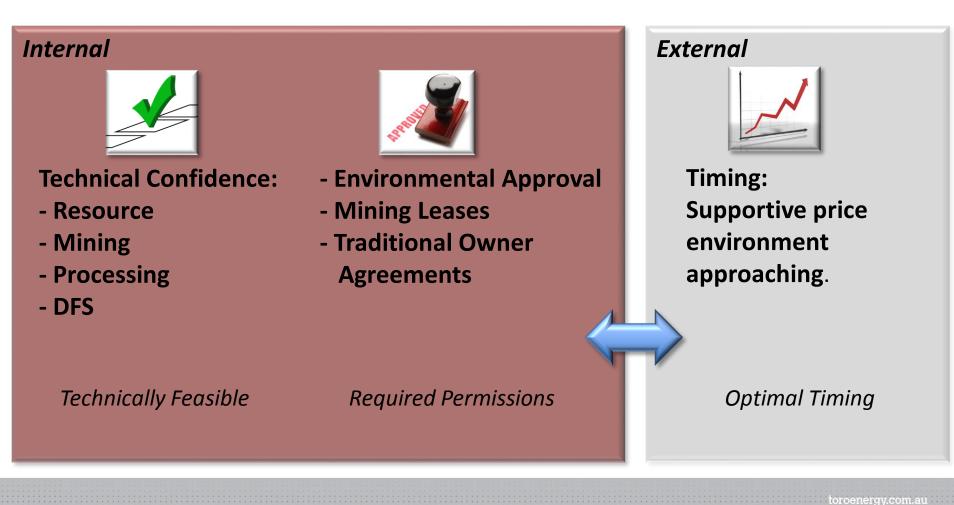


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Wiluna – Aligned with Market Recovery



Toro's flagship asset, the Wiluna project, has a development timeline well positioned for the anticipated uranium market recovery.



Technical De-Risking



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Trial mining confirmed selective mining process



Pilot plant confirms Toro's proposed process

- Vermeer continuous miner cutting 25cm bench
- GPS/gamma logger for pit floor grade mapping
- Groundwater control systems



- ✓ Continuous miner confirmed efficient method
- ✓ In pit tailings deposition and full rehabilitation
- ✓ Groundwater control through water barriers



- Fully integrated continuous hydrometallurgical circuit
- Utilised 15 tonne sample from trial mining
- 40 tonne of site groundwater used in process
- Calcrete and clay dominant processes tested
- ✓ Economic processing and recovery proven (~86%)
- ✓ Saline water used for processing
- Sample uranium to be sent to uranium converters
- ✓ Savings from coarser grind & lower leach temperature

Robust Project Economics



Lake Way	Parameter	January 2014 Economics
	Processing Plant	1.3mtpa
A BAR DAR SAL	Head grade	880ppm
	Recovery	Ramping to 86%
Maria Maria	C1 Cash Cost	USD \$29-31/lb
	Capital Cost	AUD \$315m
Centipede & Millipede	Product (per annum)	1000t U ₃ O ₈ (2.1mlb)
	Mining Duration	20+ years

Wiluna – a Low Impact Project



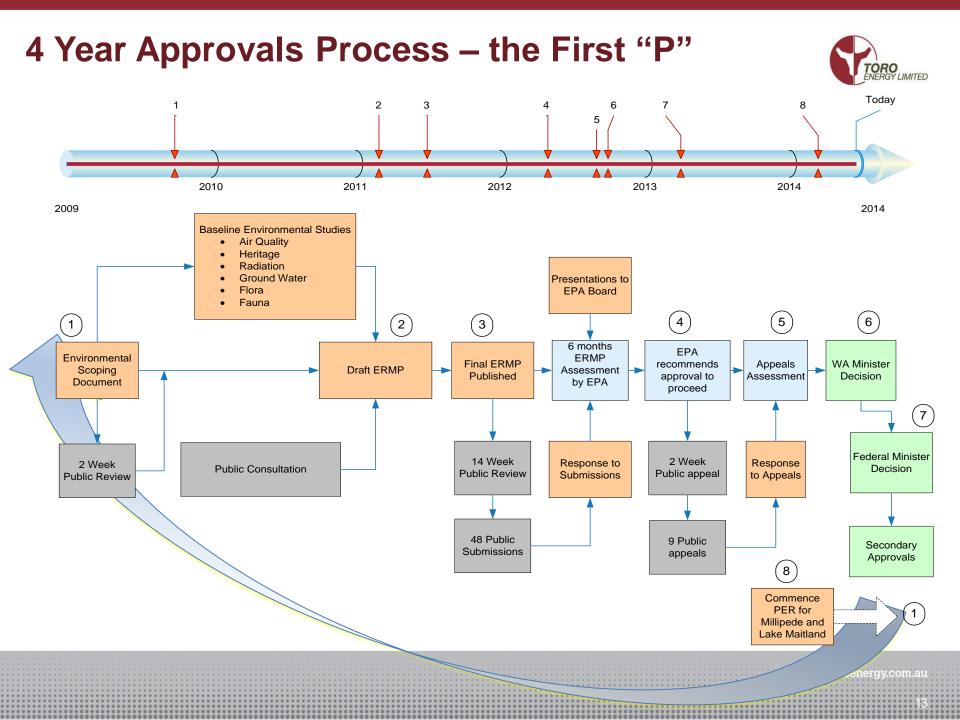
- No discharge to surface waters
- No listed species of significance
- Re-use of all mine dewatering
- In-pit tailings storage
- CoGen power heat and off gas recovery into processing facility
- No standing landforms post-mining
- Culturally sensitive areas excluded from mining



Major Approval & Permitting Requirements

TOPO
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	Wiluna Deposit	Government environmental approvals	Mining Leases Granted	Traditional Owner Agreement
1	Centipede & plant			2014
EPOSITS	Lake Way		Application	2014
CORE DI	Millipede	Application		2014
	Lake Maitland	Application		2014
	Dawson Hinkler	Post 2016	Application	Negotiations 2016
	Nowthanna	Post 2016	Post 2016	Negotiations 2016
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Government Approvals – the Second "P"

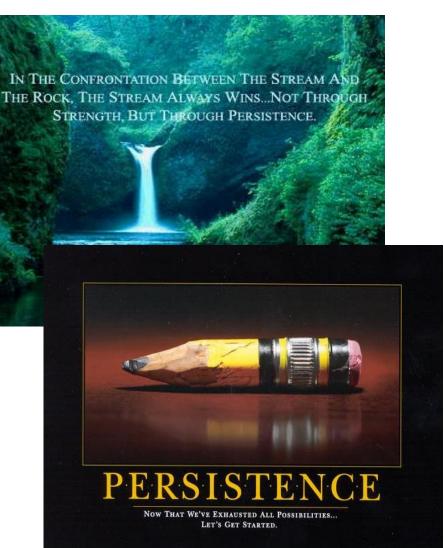


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- Assessed under a bilateral agreement:
 - EPA (lead agency)
 - DEC SEWPAC
 - DoW DRET
 - DMP •
 - DIA
 Geoscience Australia

OSS

- DMR
 ARPANSA
- WA Radiological Council
- Local Councils
- 4000 pages of documentation
- 4 opportunities for public consultation
- 6 meetings with EPA Board
- Approval NOT under bilateral process



Key Environmental Requirements



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Risk-based assessment on key environmental factors:

- Groundwater
- Tailings
- Mine Closure
- Flora and Fauna
- Surface water
- Radiation
- Cultural Heritage

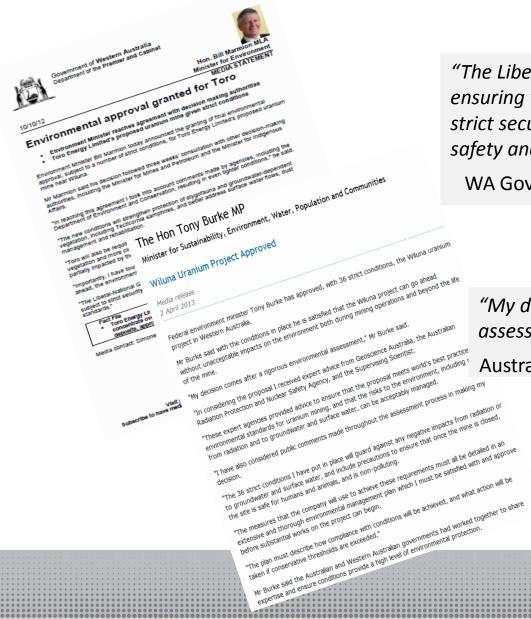




Ministerial Approvals: The Second "P"



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"The Liberal-National Government is committed to ensuring that uranium mining in WA will be subject to strict security provisions and world's best practice safety and environmental standards."

WA Government Minister Marmion; 10 October 2012

"My decision comes after a rigorous environmental assessment."

Australian Government Minister Burke; 2 April 2013

Outcome – Eight Month Delay

8 EPA recommended conditions

- EPBC "stop the clock" triggered
- WA Appeals Committee

11 WA Ministerial conditions

• EPBC "stop the clock" triggered

36 Commonwealth Ministerial conditions

- EPBC "stop the clock" triggered
- 3 extensions of time
- Further information required repeated assessment process

No Federal Court Appeals

EPA recommends approval for Toro's Wiluna Uranium Project in WA to proceed.

Paul Vogel, EPA Chair; 21 May 2012



"The Liberal-National Government is committed to ensuring that uranium mining in WA will be subject to strict security provisions and world's best practice safety and environmental standards."

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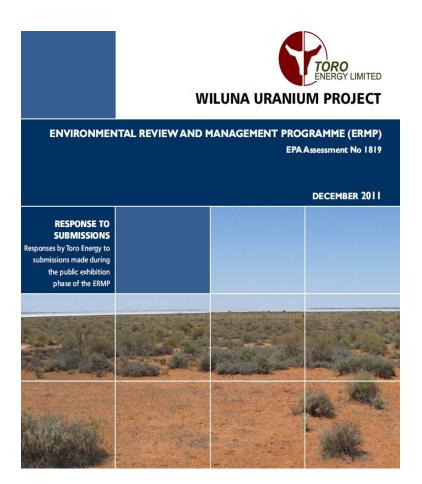
Impact



- ⋟ \$5M extra project holding costs over 8 months
 - Delay in approvals can cause project to "miss the market window"
- Increased uncertainty for strategic project partners and investors
 - Loss of confidence in Australian sovereign risk profile
 - Asian investment partners reduced project interests due to "high sovereign risk"
- Extra conditions and operating costs
 - Duplication of conditions
 - Duplication of management plans
 - Duplication of 60+ secondary approvals

Community Consultation: The Third "P"

- Industry collaboration on regional consultation program since 2008
- Information days in Wiluna, Kalgoorlie, Menzies and Leonora for ERMP
- Wiluna Shire (Local Government) adopted policy of support for uranium mining
- Consultation with Emergency Services
- Consultation with SA and NT Governments
- Issues raised:
 - Road vs. Rail
 - WA port
 - Transport Management
 - Emergency Response



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Traditional Owner Interests

- 4 years of consultation
- Independent consultants
- Site visits to other mines
- Wiluna population ~ 650 more than half indigenous
- Short term employment during technical site works
- Key issues:
 - Cultural Heritage Management
 - Bush Tucker
 - Radiation & Environmental Monitoring
 - Environmental Management
 - Land Rehabilitation







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Lessons to Learn



- One-Stop Shop
 - Assessment bilateral agreement
 - Approvals bilateral agreement
- One set of outcomes based conditions
 - Based on science and risk assessment
 - No duplication with Commonwealth
 - Coordination of State agency requirements
- Clarification of "stop the clock" provisions
- State-based regulation of operations





Wiluna:

One of the few projects able to provide new production from 2016 to take advantage of the predicted U market upswing.

The 3Ps

> Process

- Sound science is fundamental
- There are no short-cuts (but can be lots of delays)!

> Persistence

- Tell your story over and over again
- Every roadblock can be overcome

> Patience

- Start early
- Expect all stakeholders to take longer to accept the project

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