



URANIUM RESOURCES, INC.

A LEADER IN EARTH-SAFE TECHNOLOGY FOR MINERAL RECOVERY

NASDAQ: URRE

Investor Fact Sheet – Q2 2009

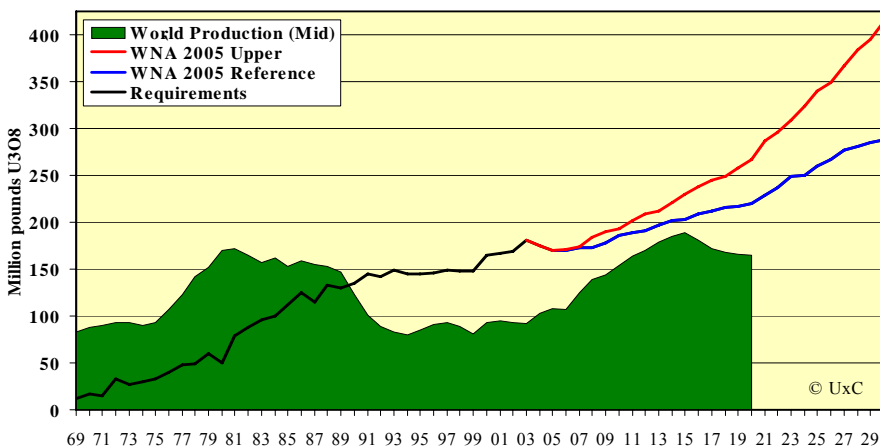
Historic Company Profile

Since its incorporation in 1977, Uranium Resources, Inc. (“URI”) has produced over eight million pounds of uranium by in-situ recovery (ISR) methods in the state of Texas, where the Company currently has ISR mining projects. URI also has 183,000 acres of uranium mineral holdings and 101.4 million pounds of in-place mineralized uranium material in New Mexico. The Company acquired these properties over the past 20 years along with an extensive information database. URI’s strategy is to capitalize on the strong global market for uranium by fully developing its resource base in Texas and New Mexico, acquiring new assets, and through joint ventures or partnerships.

Investment Considerations

- Long-term uranium demand expected to outstrip supply
- Strong, experienced management team
- Stellar reputation among regulators and municipalities
- Licenses in place
- Proven mining techniques with minimal environmental impact
- Party to two long-term uranium sales contracts
- Independent consultant affirmed 101.4 million pounds in-place uranium material owned by URI in New Mexico

World Uranium Supply & Demand

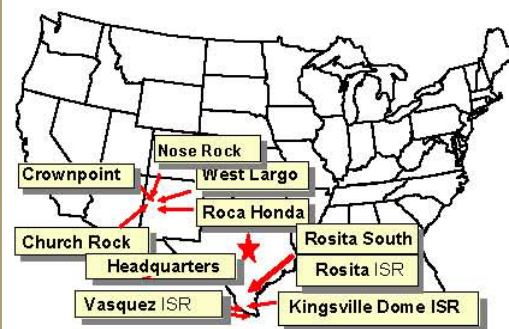


Current Status

Uranium prices, which peaked in mid-2007, are currently well below their high and URI has taken appropriate steps to conserve cash until the pricing environment improves. Consequently, production at the Company’s last producing wellfields was suspended in June 2009 and URI is focused on restoration at its properties. Meanwhile, the Company is continuing its dialogue with community leaders and elected officials in New Mexico to help address legacy issues while demonstrating both the safety and potential economic benefit of future uranium mining. In addition, the Company is exploring industry partners as a means of achieving its goals.

Future Opportunities

New Mexico Property	Tonnage (millions)	Grade (percent)	Non-Reserve Mineralized Material Millions of Lbs U ₃ O ₈
Mancos	5.2	0.11%	11.3
Churchrock	7.8	0.12%	18.6
Nose Rock	7.6	0.15%	21.9
West Largo	2.8	0.30%	17.2
Roca Honda	3.9	0.19%	14.7
Crownpoint	4.8	0.16%	15.3
Ambrosia Lake	0.71	0.17%	2.4
Total			101.4



Market Data & Financial Highlights

Shares Outstanding (millions).....	56.3	Cash (millions).....	\$9.3
Market Cap (millions).....	\$55.2	Total Assets (millions).....	\$38.6
Avg. Daily Volume (3 mos).....	770,109	Current Ratio.....	3.0
Recent Price.....	\$0.98		
52-Week Range.....	\$2.38 – \$0.36		

Note: Price and market cap as of Sept. 11, 2009.
All other information as of June 30, 2009.

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Financial Results

(in thousands, except per share data)

	Second Quarter Ended		Fiscal Year Ended		
	June 30 2009	June 30 2008	2008	Dec. 31, 2007	2006
Revenue	\$ 1,787	\$ 6,598	\$ 18,551	\$ 31,143	\$ 8,581
Direct cost of uranium sales	944	4,125	13,872	14,444	11,402
Royalties and commissions	167	576	1,710	3,034	768
Accretion/amortization of restoration reserve	114	178	790	574	517
(Gain) loss on derivatives	-	-	-	-	(34,821)
Write down of uranium properties and other assets	1,233	160	15,993	651	3,260
Exploration expenses	4	250	1,630	347	235
Corporate expenses	1,616	4,562	11,552	11,768	6,791
Earnings (loss) from operations	(2,291)	(3,253)	(26,996)	325	20,429
Net income (loss)	(2,246)	(3,109)	(26,509)	1,078	21,510
Earnings (loss) per share - diluted	\$ (0.04)	\$ (0.06)	\$ (0.49)	\$ 0.02	\$ 0.42
Weighted average shares - diluted	56,250	54,007	54,569	56,081	51,560
	<i>June 30, 2009</i>	<i>Dec. 31, 2008</i>	<i>Dec. 31, 2007</i>		
Current assets	\$ 10,297	\$ 13,809	\$ 13,406		
Non-current assets	28,273	29,415	39,531		
Total assets	38,570	43,224	52,937		
Current liabilities	3,447	4,315	5,334		
Long-term debt	707	770	629		
Other liabilities	6,247	6,531	4,097		
Shareholders' equity	28,170	31,608	42,877		
Total liabilities and shareholders' equity	38,570	43,224	52,937		

Recent Highlights



Uranium Resources' U₃O₈ "yellowcake"

This fact sheet may contain forward-looking statements within the meaning of Section 21E of the Securities Exchange Act of 1934, as amended. One can identify these forward-looking statements by the use of the words such as "expect," "anticipate," "plan," "may," "will," "estimate" or other similar expressions. Because such statements apply to future events, they are subject to risks and uncertainties that could cause the actual results to differ materially. Important factors, which could cause actual results to differ materially, are described in Sharps' reports on Form 10-K and 10-Q on file with the Securities and Exchange Commission.

- On September 4, 2009 URI announced that David N. Clark had stepped down as the President and Chief Executive Officer and a Director of the Company effective September 3, 2009. The Board appointed Donald C. Ewigleben President, CEO and COO to succeed Mr. Clark and also named Mr. Ewigleben as a director to fill the vacancy on the Board created by Mr. Clark's resignation. Mr. Ewigleben brings over 30 years of corporate leadership experience to URI, most recently serving as Executive Officer: Sustainability & Legal Affairs for AngloGold Ashanti Americas, as well as President and CEO of AngloGold Ashanti North America.
- On August 25, 2009 the Company announced that the United States Court of Appeals for the Tenth Circuit had approved its June 1, 2009 petition for an en banc review of the court's April 2009 ruling that URI's Section 8 property in Churchrock, New Mexico, is Indian Country and, therefore, subject to the jurisdiction of the U.S. Environmental Protection Agency (USEPA) for the issuance of an Underground Injection Permit (UIC).
- During June 2009, URI completed production at its two remaining operating wellfields at Kingsville Dome and is currently focused on reclamation activities.
- Cash at the end of the second quarter was \$9.3 million compared with \$12.0 million at the end of 2008 and \$16.0 million at June 30, 2008. The Company implemented spending controls in the second half of 2008 in light of the declining uranium pricing market to conserve cash.
- The Company used \$0.6 million cash in operations during the second quarter of 2009, down from \$1.6 million in the trailing first quarter of 2009. General and administrative expenses for the quarter were \$1.6 million, compared with \$1.5 million in the trailing first quarter of 2009 and \$3.1 million in last year's second quarter, excluding the \$1.4 million write-off of target acquisition costs.