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- January 2009: Bullish on Uranium
- August 2010: The New Green Metal
- November 2010: The Next Big Thing
- April 2010: Why I Remain a Uranium Bull



# Why I Remain a Uranium Bull

Casper, WY September 2011



## $U_3O_8$ Supply and Demand

- 2009 Demand: 186 million lbs
- 2009 Mined: 132 million lbs
- 54 million lb Deficit
- Megatons to Megawatts: 24 million lbs
- Stockpiles: 30 million lbs





# Uranium Supply and Demand

- 443 Operating Plants Before Japan Disaster
- 425 Operating Plants Post Japan Disaster
- 3 % Demand Destruction
- Sovereign Stockpiles Dwindling
- Russia / US Conversion Agreement Ends 2013



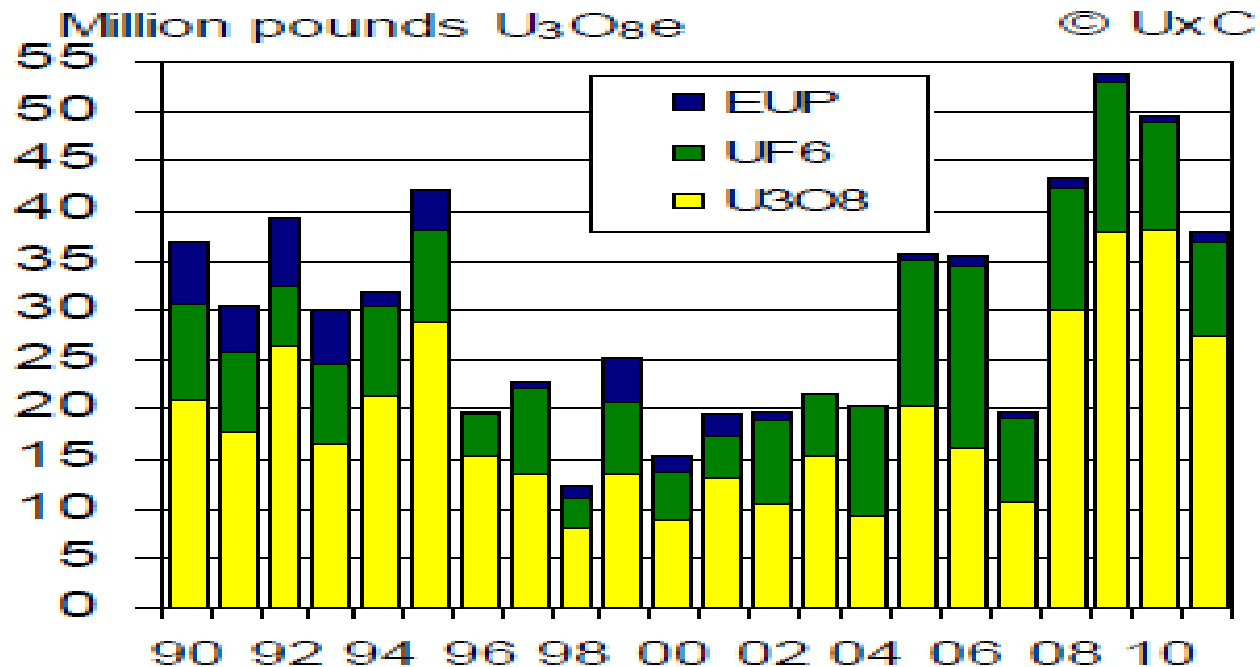
## Uranium Sales

- Long Term Contracts 70-85 %
- Short Term Trades 15-30%
- Off-take Contract Price \$64 / lb
- Spot Market Price \$54 / lb
- Spot Price = November 2010



# Uranium Spot Sales

## Annual Spot Uranium Volumes





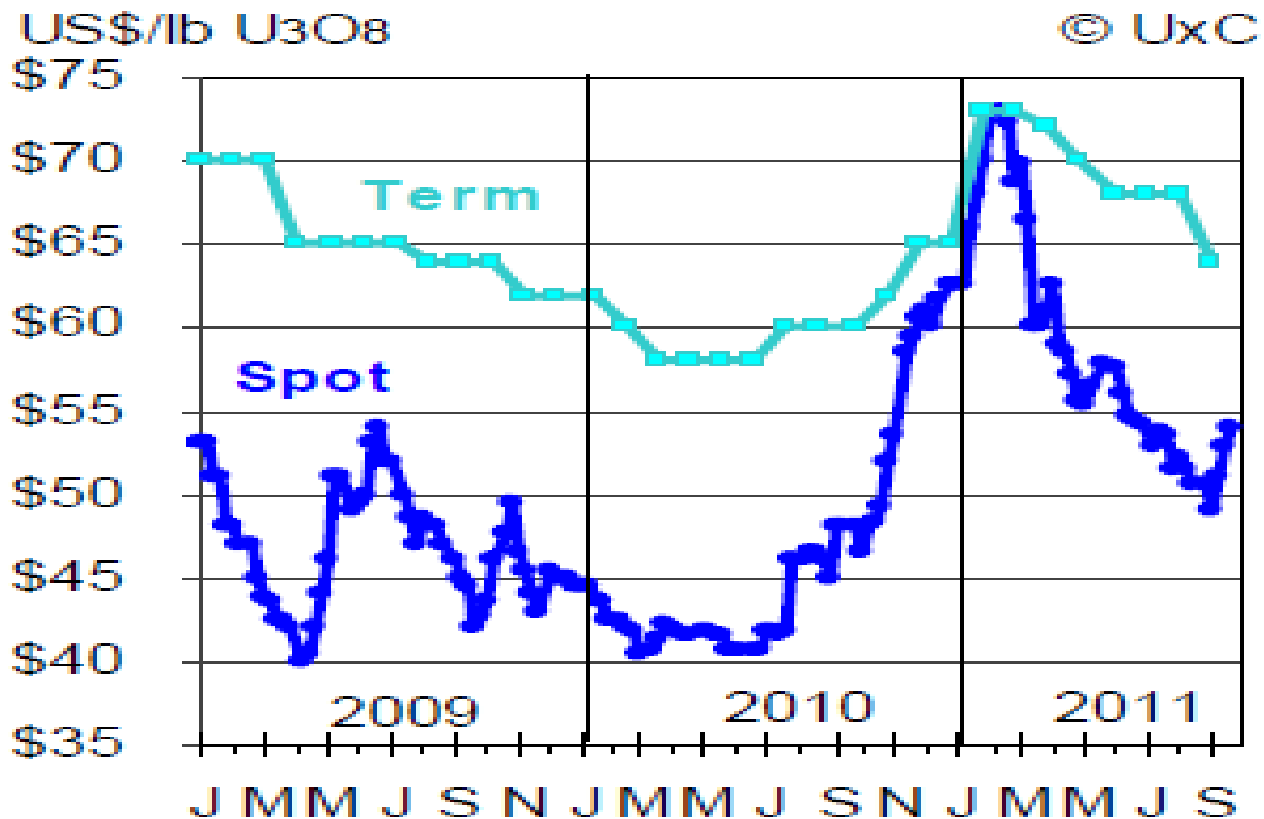


# Uranium Spot Price

- Ux Consulting
- 12 months ago = \$48 / lb
- Drives the Stock Market



## Ux U<sub>3</sub>O<sub>8</sub> Prices





# Uranium Spot Price Increases

- Buyers > Sellers
- Traders & Speculators
- China
- Utilities
- Producers
- Kazakhstan



# Uranium: Story Remains the Same

- Nuclear Energy = 14% of Electricity
- 425 Nuclear Power Plants
- 104 United States
- 60 Under Construction / 150 Planned
- Increased Demand for Yellowcake
- 4% Growth Projected Year over Year



## Uranium Supply

- USA 52 million pounds Demand
- USA 4 million pounds Supply = 7 %
- Kazakhstan #1; Russia #4; Niger #6
- Uzbekistan #9; China #10





## Five Largest Mines = 43% of Supply

- MacArthur River, Saskatchewan
- Ranger, Northern Territory Australia
- Rossing, Namibia
- Kraznokamensk, Russia
- Olympic Dam, South Australia



## New Production

- Conventional Underground = High Cost Mines
- Higher Prices Required (\$65-80 per pound)
- Low Cost Mines
- ISR & Open-Pit Heap Leach Mines
- Profitable at Current Prices



# Uranium Stocks

- H2 2005 - H1 2007 Boom
- H2 2007 - 2008 Bust
- 2009 - H1 2010 Flat and Out of Favor
- H2 2010 Next Big Thing
- Q2 2011 Japan: What is Future ?



# USA Future Production

- South Texas ISR
- Wyoming Basins ISR & Open Pit
- Utah - Colorado UG
- Grants Mineral Belt UG & ISR





# Palangana ISR “Mine”





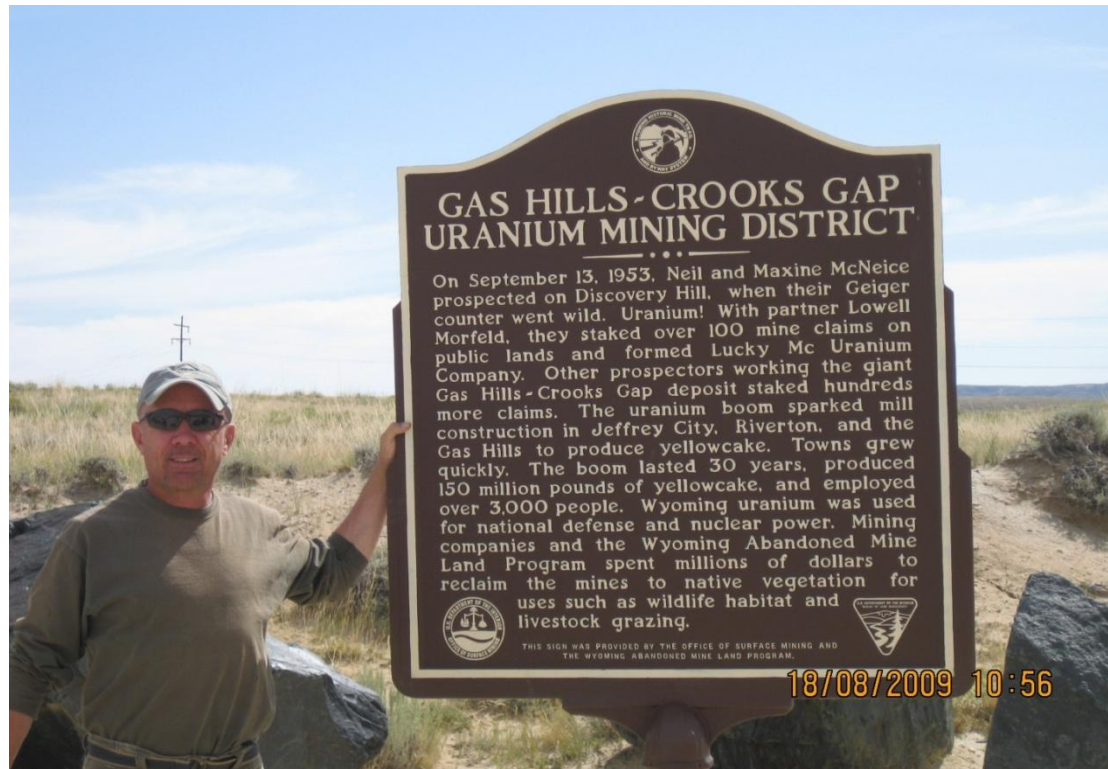


# Hobson ISR Plant, South Texas





# Gas Hills, Wyoming Summer 2009







# Gas Hills, Wyoming Roll Front





# Roca Honda, New Mexico Monitor Well Drilling Fall 2007





# Why Do I Remain a Uranium Bull ?

- Supply and Demand Fundamentals
- 30 % Yearly Mine Supply Deficit
- 60 Reactors in Construction
- 200 Reactors Planned





## Where is the U Going to Come From ?

- Stockpiles Dwindling
- Megatons to Megawatts Ending 2013
- New Mines Must Come On Stream



# Wild Cards in the Uranium Game

- Department of Energy
- Bomb Dismantling
- Recycling
- Thorium



# Monday Morning Musings from Mickey the Mercenary Geologist





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