

Corporate Update On America's First Environmentally-Responsible Oil Sands Project



**Corporate Presentation
Uintah Basin Energy Summit - 2016**

Corporate Overview

MCW Energy Group Limited:

MCW Oil Sands Recovery, LLC – 3 Revenue Streams:

(1) Oil Sands Extraction Technologies:

- ◆ Focused on development & implementation of a portfolio of enviro-friendly oil sands extraction technologies.
- ◆ Developing worldwide joint venture opportunities & royalty revenue streams from licensing.

(2) Remedial Extraction Projects:

- ◆ Remedial hydrocarbon extraction solutions for tailings ponds & water contamination projects in the oil/gas industry.

(3) Producing Oil Sands Projects:

- ◆ Expanding production capabilities at its now operational oil sands project in Asphalt Ridge, Utah.



Management Team

Dr. R. Gerald Bailey, Chief Executive Officer.

- **More than 50 years international experience in all aspects of the oil & gas industry.**
- **Former positions include...**
 - **President, Exxon, Arabian Gulf, Abu Dhabi, UAE.**
 - **Operations Manager, Qatar General Petroleum Corp.**
 - **Operations Superintendent, Exxon Lago Oil, Aruba.**
 - **Operations Superintendent, Esso Standard Libya, Brega, Libya.**



Management Team

Aleksandr Blyumkin, Founder & Chairman

- 💧 More than 20 years international experience in the oil & gas industry.
- 💧 A key figure in the development of a variety of oil development properties in Eastern Europe. His interest is focused on developing MCW's environmentally-friendly oil sands extraction technologies & the expansion of MCW's oil sands production.
- 💧 Currently involved in acquiring additional oil sands leases in Utah for MCW's resource lease portfolio with long term potential.



Management Team

Dr. Vladimir Podlipskiy, Chief Technology Officer

💧 More than 23 years experience in chemistry, research & development and manufacturing.

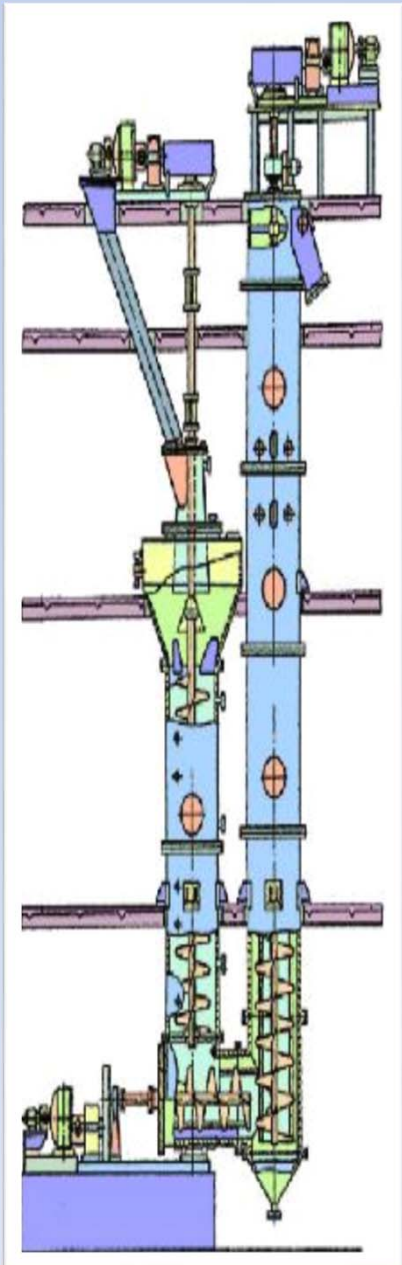
💧 Former positions include...

- 💧 EMD Biosciences - Peptide Scientist, Tech Support Mgr., New Business Development.
- 💧 R&D Nanotech - Chief Chemist, Research & Development, Manufacturing.
- 💧 Premier Chemicals - Chief Chemist, Formulation Chemist.
- 💧 Chemical Scientist - UCLA Department of Chemistry.



MCW Oil Sands Technology: *How It Works*

- ☛ Oil sands ore - delivered to the extractor column & passes through patented, benign extraction solvents.
- ☛ Solvents/extracted oil mixture transferred to the separation column. Oil is separated from solvents, sold to distributor/refineries. (99% hydrocarbons extracted.)
- ☛ Solvents are re-circulated back through incoming sand, extracting more oil from incoming feedstock. (99% solvent recovery)
- ☛ The cleaned sand is removed, dried and can be sold as construction aggregate or used to restore original mine site surface.



MCW Oil Sands Technology: *An Overview*

Environmentally-Responsible Technology:

- 💧 MCW's technology is a "closed loop," solvent-based, extraction technology that uses no water in the extraction process. Nothing leaves the extraction plant except oil and the clean sand.
- 💧 MCW's technology will...
 - 💧 Not Create Polluted Tailings Ponds.
 - 💧 Not Cause Surface Water or Groundwater Pollution.
 - 💧 Not Produce Greenhouse Gas Emissions.

Tailings ponds from Alberta oil sands projects are results of using destructive extraction technologies, emitting greenhouse gases.

MCW Oil Sands Technology: *An Overview*

Economically Viable & Energy-Efficient Technology:

💧 **Modular, Scalable Technology:** 250 to 5,000 bbl/day.

💧 **Low CAPEX Estimates:** \$12,000 per flowing bbl/day (Chapman Petroleum Engineering, 2014).

💧 **Low Production Costs:**

- \$24.51 – \$34.04 (Chapman Petroleum Engineering, 2012).
- Costs fluctuate with oil prices \$30 – \$50 bbl.
- MCW estimates that a 2,500 bbl/day extraction unit will optimize production efficiencies with costs ranging from \$ 20.00 - \$ 24.00 barrel.

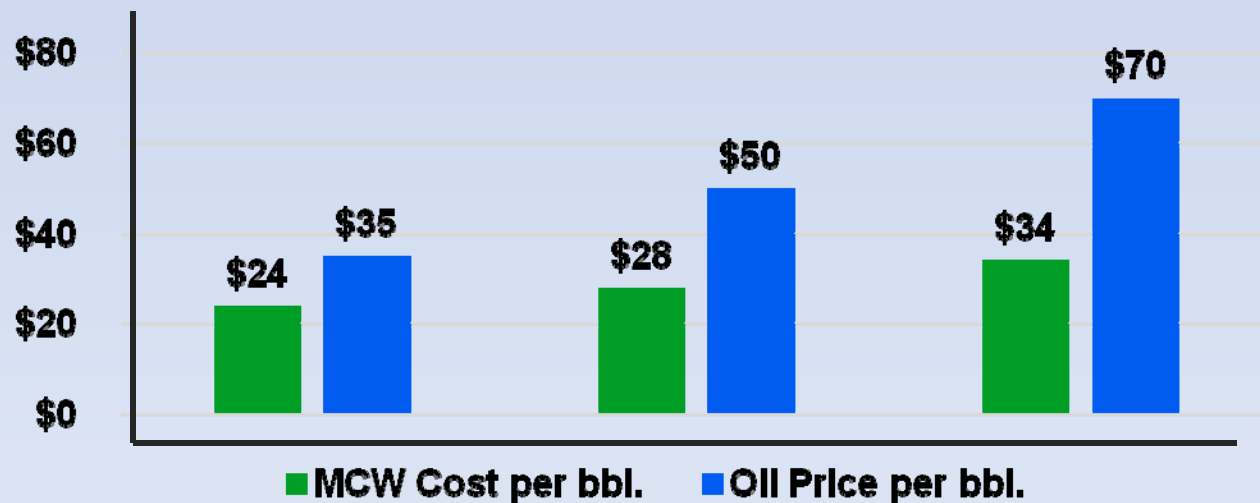
💧 **Energy Efficient:** 22:1 EROEI (Energy Returned On Energy Invested) (Alberta SAGD/Hot Water Technologies Average 4:1 to 6:1).



MCW Oil Sands Technology: *Low Production Costs*

MCW's Fluctuating Production Costs Will Provide Ongoing Profits, Regardless of Low Oil Prices

- MCW's recent study confirmed its processing costs are dramatically reduced in times of lower oil prices. Petroleum products used in MCW's extraction process...diesel fuel, propane, condensates & solvent costs are reduced by 40%–55% when oil prices dip.



The World's First Enviro-Friendly Oil Sands Extraction Plant in Utah Has Safely Produced 10,000 Barrels of Oil.

- 💧 **Waterless MCW extraction process. No tailings ponds required.**
- 💧 **Plant capacity now being augmented to 500 bbl/day to optimize process efficiencies & production costs.**
- 💧 **MCW has worked closely in co-operation with SITLA. All necessary permits have been issued (mining operations, environmental regulations, groundwater permits, etc.) for required operations at both lease sites.**



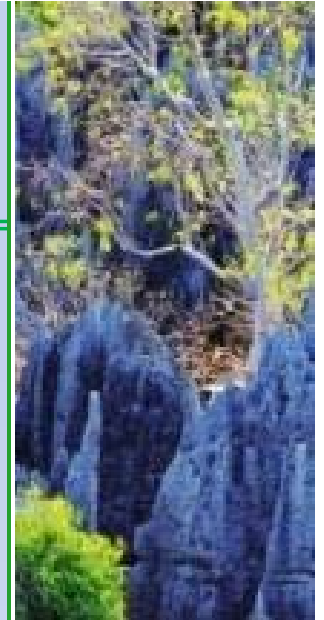
MCW Domestic Plan: Secure & Develop Oil Sands Leases.

- 2012 - MCW purchased a 1,128 acre lease in Asphalt Ridge, Utah containing 20 million bbl bitumen (Chapman Petroleum) A 250 bbl/day plant was built onsite with a current augmentation program to 500 bbl/day size.
- 2016 - MCW purchased Temple Mountain Energy's nearby lease site containing 88 million bbl bitumen. (Chapman Petroleum). A mining plan is complete. Site provides feedstock to plant. Will be future site of 2,500 bbl/day plant, now nearing design completion.
- MCW - 100+ million bbl bitumen on its Asphalt Ridge & Temple Mountain leases. Efforts continue to seek other prime leases in the Asphalt Ridge Region.



International Growth: Potentials For Oil Sands Production Projects.

- MCW has tested oil sands/shale samples from China, Jordan, U.S. and Indonesia. MCW now in bidding processes for several oil sands production & remediation projects in Canada, Asia & the Middle East.
- MCW Oil Sands will provide licensing & joint venture opportunities to entities around the world where extensive oil sands deposits are found. Development of these deposits were previously not commercially viable but are now... due to MCW's low production costs.
- New development of oil sands deposits will also become viable due to MCW's compliance to environmental issues.
- Licensing agreements will include up-front licensing fees & production royalty streams as a source of future revenues.



Remedial Extraction Projects: A Profitable, New Revenue Stream.

- 💧 Hundreds of worldwide, remedial projects await clean-up with MCW's proven, enviro-friendly extraction technologies.
- 💧 Alberta: Over 176 sq. kms of tailings ponds exist and growing. They contain un-extracted hydrocarbons, bitumen, chemicals, acids & suspended solids.
- 💧 Alberta's tailings ponds – a major, growing environmental problem and to date, no remedial technology has been successful.
- 💧 MCW has tested Alberta-sourced tailings ponds samples & has successfully extracted over 99% of all hydrocarbons.
- 💧 TS Energy Ltd., now MCW's licensee in Canada/Trinidad, appointed rights for the use of MCW's extraction technology for remedial hydrocarbon projects & oil sands production.


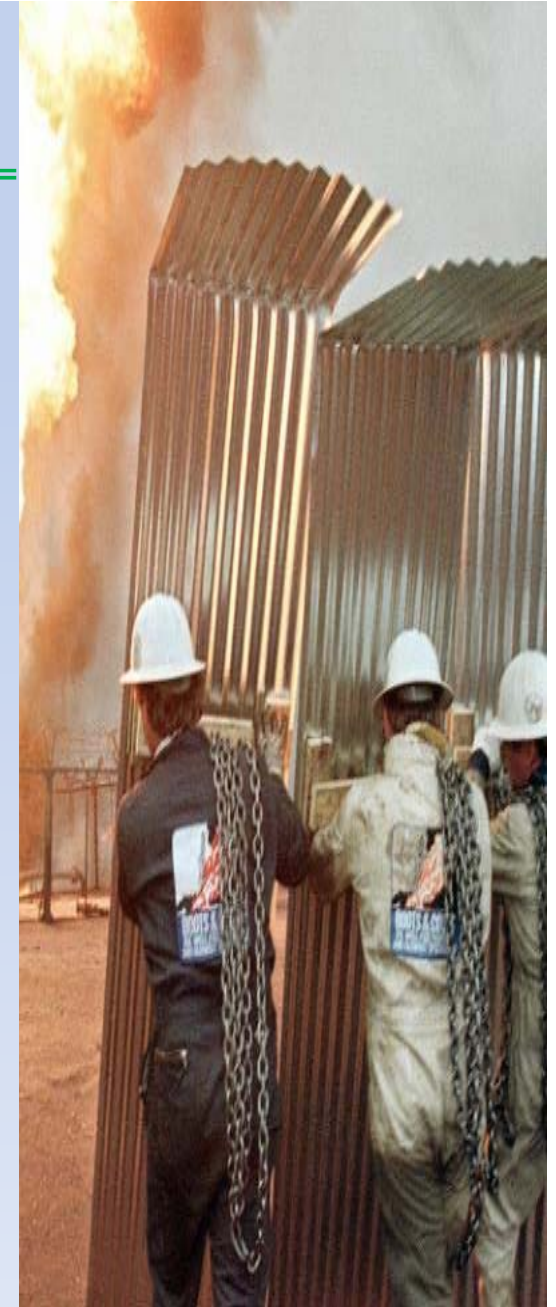


Photo depicts a typical tailings pond in Alberta.... enough liquids to fill over 390,000 Olympic swimming pools.

Operations Update: Here & Abroad.

- 🔥 Acquired control of Accord GR Energy, a Texas-based tech company which has 2 enhanced oil recovery technologies, to be used to increase Temple Mountain's recoverable resources at deeper depths. (300+ feet)
- 🔥 Accord acquisition also includes 88 drilled/completed wells on 7,000 acres in Texas. (Medium crude: 18 – 22 API)
- 🔥 Feedstock sample lab testing to commence for major Middle East oil company on world's largest remediation project. A multi-site, long term project funded by UNESCO.
- 🔥 Appointed Vivakor Inc., a Las-Vegas-based tech company as operators of MCW's Maeser, UT plant. Vivakor has developed several enviro-friendly technologies, including a mobile extraction unit.
- 🔥 MCW will joint venture with Vivakor on several types of remediation projects.



More Operations Updates: Developing Several Revenue Streams.

- 🔥 Appointed TS Energy Ltd., MCW's licensee in Canada, Trinidad & Tobago for use of MCW's technology for remedial hydrocarbon projects & oil sands production applications.
- 🔥 TS Energy has identified two remedial projects in Alberta, has entered into discussions and LOI's forthcoming.
- 🔥 TS Energy has identified two projects in Trinidad & Tobago, an oil sands production project & a remediation project at Pitch Lake – La Brea...world's largest commercial deposit of natural asphalt. Discussions underway.
- 🔥 Now in discussions with several key investment groups to fund MCW's capacity augmentation program completion to 500 bbl/day, and funding required for the planned 2,500 bbl/day plant - Temple Mountain mine site.



The Potentials of Responsible Resource Development Benefit Everyone.

- 💧 **Utah - Over 32 billion bbl bitumen in 8 major deposits... a tremendous revenue generation potential.**
- 💧 **Excellent, existing infrastructures.**
- 💧 **Friendly investment environment - attractive fiscal/royalty regimes.**
- 💧 **MCW expects to provide over 55 skilled jobs (plant & mine), and 100's of indirect jobs.**
- 💧 **Over 210 man-years were deployed to develop MCW's technology & plant facilities over the past 6 years.**
- 💧 **MCW expects to initially add \$ 17.8+ million to Utah's annual GNP & will grow as production increases.**
- 💧 **MCW's expected annual revenue will grow to \$ 100 million.**
- 💧 **Utah's oil sands royalty revenue streams will grow exponentially because 32 billion barrels of oil may now be developed in a safe, enviro-friendly manner.**





Contact Information

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TSX-V Symbol: MCW OTCQX Symbol: MCWEF

