

# Pat Ryan of Ucore Rare Metals Provides an Update on its Rare Earths Processing Plants

written by InvestorNews | March 22, 2023

In this InvestorIntel interview during PDAC 2023, Byron W King talks to [Ucore Rare Metals Inc.](#)'s (TSXV: UCU | OTCQX: UURAF) CEO and Chairman Pat Ryan about how Ucore is progressing towards becoming an independent North American source of rare earths. With a commercial demo plant currently running in Kingston, Ontario, Pat provides an update on Ucore's planned full-scale commercial plant in Louisiana, USA that is targeted for operations by the end of 2024.

Pat goes on to provide an update on Ucore's RapidSX™ technology for the separation of heavy and light rare earth elements which can also be used for separating any metal that uses solvent extraction technique. Speaking about the vulnerability of the rare earths supply chain with China currently controlling the rare earths market, Pat discusses the need for government support to bring the North American critical minerals industry in alignment with the electric automotive industry.

To access the full InvestorIntel interview, [click here](#).

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## About Ucore Rare Metals Inc.

Ucore is focused on rare- and critical-metal resources, extraction, beneficiation, and separation technologies with the potential for production, growth, and scalability. Ucore has an

effective 100% ownership stake in the Bokan-Dotson Ridge Rare Earth Element Project in Southeast Alaska, USA. Ucore's vision and plan is to become a leading advanced technology company, providing best-in-class metal separation products and services to the mining and mineral extraction industry.

Through strategic partnerships, this plan includes disrupting the People's Republic of China's control of the North American REE supply chain through the near-term development of a heavy and light rare-earth processing facility in the US State of Louisiana, subsequent SMCs in Alaska and Canada and the longer-term development of Ucore's heavy-rare-earth-element mineral-resource property at Bokan Mountain on Prince of Wales Island, Alaska.

To learn more about Ucore Rare Metals Inc., [click here](#).

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In this InvestorIntel interview during PDAC 2023, Byron W King talks to [Ucore Rare Metals Inc.](https://www.ucore.com)'s (TSXV: UCU | OTCQX: UURAF) CEO and Chairman Pat Ryan about an update on Ucore's RapidSX™ Demonstration Plant for the separation of heavy and light rare

earth elements. With a focus on high-margin midstream processing, Pat discusses Ucore's RapidSX™ technology platform that can process rare earths and produce output that is 3-5 times greater than conventional solvent extraction in addition to reducing the CAPEX and OPEX.

As Ucore is focused on critical metal separation and refining in North America, particularly for heavy rare earths, Pat provides an update as Ucore shifts from its commercial demo plant in Kingston, Ontario to a planned Strategic Metals Complex in the state of Louisiana after receiving a \$15 million incentive package from Louisiana Economic Development. He mentions the new Louisiana facility is targeted for operations by the end of 2024.

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## Greg Andrews on Search Minerals 'sprint' towards rare earth production

written by InvestorNews | March 22, 2023

In a recent InvestorIntel interview, Tracy Weslosky spoke with Greg Andrews, President, CEO, and Director of [Search Minerals Inc.](#) (TSXV: SMY | OTCQB: SHCMF) about Search Minerals' 'sprint' towards production as they work towards strengthening the North American rare earths supply chain.

In this InvestorIntel interview, which may also be viewed on YouTube ([click here to subscribe to the InvestorIntel Channel](#)), Greg Andrews said that Search Minerals recently signed an MoU for an [offtake agreement](#) with USA Rare Earth, thus ensuring that it has sales and revenues when production begins. He went on to say that Search Minerals is progressing towards announcing an updated PEA and explained why the updated PEA is expected to be robust and economic at the current pricing of rare earths. With a loyal shareholder base and strong federal, provincial, local government and indigenous support, Greg told InvestorIntel that Search Minerals is progressing well towards its goal of going

further down the rare earths supply chain to produce magnet metals and alloys.

To watch the full interview, [click here](#).

### **About Search Minerals Inc.**

Led by a proven management team and board of directors, Search Minerals is focused on finding and developing deposits of the Critical Rare Earths Elements (CREE), and of Zirconium (Zr) and Hafnium (Hf) resources, within the emerging Port Hope Simpson – St. Lewis CREE District of South East Labrador. The Company controls a belt 63 km long and 2 km wide that is road accessible, on tidewater, and has access to 3 local communities. Search has completed a preliminary economic assessment report for its **FOXTROT site**, and a resource estimate for its **DEEP FOX site**. Search is also working on three exploration prospects along its part of the St. Lewis District, which are named, and include: **FOX MEADOW**, **SILVER FOX** and **AWESOME FOX**.

Greg Andrews went on to emphasize that Search has continued to optimize its patented Direct Extraction Process technology with generous support from the Department of Tourism, Culture, Industry and Innovation, Government of Newfoundland and Labrador (“**InnovateNL**”), and from the Atlantic Canada Opportunity Agency (“**ACOA**”). He said that Search has completed two pilot plant operations and produced a highly purified mixed rare earth carbonate concentrate and a mixed REO concentrate for use in testing individual rare earth separation and refining.

To know more about Search Minerals Inc., [click here](#)

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# Greg Andrews with Jack Lifton on Advancing Search Minerals Towards a Total Domestic Rare Earth Supply Chain

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In a recent InvestorIntel interview, Jack Lifton spoke with Greg Andrews, President, CEO, and Director of [Search Minerals Inc.](#) (TSXV: SMY | OTCQB: SHCMF) about how its recent MoU for an [offtake agreement](#) with USA Rare Earth puts Search Minerals in the top tier of North American rare earth ventures.

In this InvestorIntel interview, which may also be viewed on YouTube ([click here to subscribe to the InvestorIntel Channel](#)), Jack started by complementing Search as “Canada’s first rare earths company to be involved in a domestic North American total rare earths enabled product supply chain.” Greg Andrews then said that Search already has rare earth resources with excellent infrastructure, and has a patented selective extraction process. Greg also explained that Search is progressing towards its end goal of entering the high value add section of the rare earths supply chain, the production of metals and alloys.

To watch the full interview, [click here](#).

## About Search Minerals Inc.

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## **Amanda Lacaze on the rare earths market and Lynas' Mt Weld resource**

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"We have three significant things that set us apart. The first is our Mt Weld resource which is recognized as a premier resource throughout the world. It is true Tier 1 Resource: high-grade, long life. It is so high grade that some of it we don't

even need to put it through concentrator to process it. The second thing is that we have the benefit of being first in the market. We are the only non-Chinese miner and processor of any scale. And the third... we have been running our rare earths separation plant here in Malaysia for over six years and we have developed IP (Intellectual property) within our business with respect to how to separate those materials (rare earths)." States Amanda Lacaze, Managing Director and CEO of [Lynas Corporation Ltd.](#) (ASX: LYC), in an interview with InvestorIntel's Tracy Weslosky.

Amanda went on to comment on the ongoing trade war between China and the US. She said that having major international economies speaking about rare earths is a positive thing. She added, "The rare earths market is quite a small market. If you are for example the CEO of a car company, you are not going to care about rare earths if you are looking at your bill of materials. In a \$25,000 bill of materials, rare earths may only be a couple of hundred dollars. You are going to care about rare earths when you can't get them because you cannot put your car on the road". She further added in the 2011 rare earths crisis Japan funded Lynas, as a result, the Japanese rare earths processing market and consumption has increased by about 60% since 2012. If there is a secure and reliable supply there is a strong and growing market.

Amanda also said that the increased interest in rare earths at this time is a net positive as a lot of outside-China markets and customers are thinking very seriously about how they are going to secure their future needs. She further added that the demand for rare earths outside China remains very strong and the US and Australia have referenced that both the countries will continue to work closely and work even more closely on the supply of critical minerals and rare earths in particular.

To access the complete interview, [click here](#)

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# Lacaze on Lynas' proposed heavy rare earths separation plant in the US

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"We see the US market as a wide-open market. The US has allowed itself to be disintermediated in the rare earths industry and that is a risk for the US manufacturers. We have seen that the Chinese have, in over 30 years, steadfastly marched down the value chain. So today they are in the business of rare earths mining, separation, metal making, magnet making, component making and ultimately the finished material. Many would say at what stage a US vehicle is a US vehicle. Is it when it is just assembled from components that have been shipped in from China? There is a large component manufacturing industry in the US and having the security of supply for the inputs to that industry is very important. So we see the US as a market where, with the right presence and the right development, there is significant opportunity for growth. With respect to our MOU with Blue Line. Texas is actually a great place to do business. We are very much looking forward to operating there. The first stage of what we do there will be focused on heavy rare earths separation. Heavy rare earths cannot be separated anywhere except China...Heavy rare earths are essential. High-performance magnets used in electric vehicles must have at least a small component of either dysprosium or terbium added to them and of course, they are used in many other applications including medical and particularly in

some of the defense applications. A heavy rare earths separation line as a starting point we think is very important and it builds out our product portfolio. What we are doing in the US will not be limited only to heavy rare earths, over time we would expect that we will continue to grow, the market will grow... We do believe that if we establish the facility we will create additional activity in the rare earths supply chain..." States Amanda Lacaze, Managing Director and CEO of [Lynas Corporation Ltd.](#) (ASX: LYC), in an interview with InvestorIntel's Tracy Weslosky.

Amanda went on to provide an update on Lynas' plant in Malaysia. She said that Lynas had the fourth scientific review done in Malaysia which came out with a clean report card that stated that the plant is low risk and compliant with all regulations. The company also recently announced the renewal of its operating license in Malaysia. She also provided an update on Lynas' growth plan. She said that Lynas is focussed to be a pure-play rare earths company. The company believes that by being a pure play it will be able to give its shareholders the best return. She said that in 2018 Lynas implemented a project called Lynas Next which took the nameplate capacity from about 5,000 tons a year of NdPr to about 7,000 tons a year of NdPr. In May the company announced the Lynas 2025 plans where by 2025 the company will produce 10,500 tons a year of NdPr.

To access the complete interview, [click here](#)