

# America Rare Earths' Donald Swartz on the recent increase in in-situ resources at Halleck Creek by 64% to 2.34 billion tonnes

written by InvestorNews | March 17, 2024

In a recent interview with InvestorNews host Peter Clausi, Donald Swartz, CEO of [American Rare Earths Limited](#) (ASX: ARR | OTCQX: AMRRY), discussed the significant progress and developments at the company's Halleck Creek project, one of the largest deposits of rare earths in North America. Swartz highlighted the company's latest achievements, including the filing of a License to Explore with the Wyoming Department of Environmental Quality, which will facilitate test mining at the Cowboy State Mine site in Albany County, WY. This step, along with expedited analytical testwork from the recent drilling campaign, represents critical advancements towards scaling an operable mine and processing facility. The CEO also mentioned the submission of an application for a revised drilling notice at Halleck Creek, which aims to permit locations for additional core and reverse circulation holes, reinforcing the company's commitment to expanding its exploration and understanding of the project's potential.

Swartz expressed optimism about the company's future, citing the recent increase in in-situ resources at Halleck Creek by 64% to 2.34 billion tonnes at 3,196 ppm Total Rare Earth Oxides (TREO), as a testament to the project's enormous potential. This update, based on the Sept/Oct 2023 exploration program, not only

expanded the resource's lateral and vertical extents but also significantly increased the measured and indicated resources by 128%. Swartz's remarks underscore the breakthroughs in mine planning and metallurgy, which have bolstered the company's confidence in the project. He articulated the company's vision to build the next major rare earth company and to play a key role in securing the supply for the United States, stating, "The successful Placement has allowed us to accelerate work originally contemplated in FY2025 in parallel with the completion of our scoping study due for release this quarter. I'm encouraged with the interest shown by new and existing investors under the Placement and see it as a real demonstration of confidence and support for our vision." This forward-looking perspective highlights American Rare Earths Limited's strategic approach to developing the Halleck Creek project as a cornerstone for the clean energy transition and US national security.

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

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## About American Rare Earths Limited

American Rare Earths (ASX: ARR | ADRs – OTCQX: AMRRY | Common Shares – OTCQB: ARRF) owns the Halleck Creek, WY and La Paz, AZ rare earth deposits which have the potential to become the largest and most sustainable rare earth projects in North America. The Company continues to evaluate other exploration opportunities and is collaborating with US Government-supported R&D to develop efficient processing and separation techniques of rare earth elements to help ensure a renewable future.

To know more about American Rare Earths Limited, [click here](#)

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## **Tom Drivas Explores the Initial Rare Earth Mineral Resource Estimate from Appia's PCH Ionic Adsorption Clay Project in Brazil**

written by InvestorNews | March 17, 2024

In this interview with Tracy Weslosky during PDAC 2024, Tom Drivas, CEO and Director of [Appia Rare Earths & Uranium Corp.](#) (CSE: API | OTCQX: APAAF) discussed the results from the maiden [Mineral Resource Estimate](#) for Appia's PCH Ionic Adsorption Clay Project in Brazil. Announcing a significant 52.8

million tonnes of resource, Tom highlighted the presence of extremely high-grades of rare earths within this resource, showcasing some of the highest TREO (total rare earth oxide) grades globally.

Tom emphasized the project's potential, stating, "We have only explored 1% of the total area... We have 40,000 hectares." Tom also highlighted the project's richness in magnet rare earths like neodymium and praseodymium, essential for producing permanent magnets in high demand. The addition of industry experts like Constantine Karayannopoulos, Jack Lifton and Don Hains, P. Geo to Appia's Advisory Board underscores the project's significance and potential.

Besides the project in Brazil, Appia is also advancing uranium exploration properties around the Athabasca Basin in Saskatchewan and has a significant uranium resource in Ontario at Elliot Lake. Notably, the company is also advancing its Alces Lake project in Saskatchewan, renowned for its high-grade critical rare earths in monazite.

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

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## **About Appia Rare Earths & Uranium Corp.**

Appia is a publicly traded Canadian company in the rare earth element and uranium sectors. The Company is currently focusing on delineating high-grade critical rare earth elements and gallium on the Alces Lake property, as well as exploring for high-grade uranium in the prolific Athabasca Basin on its Otherside, Loranger, North Wollaston, and Eastside properties.

The Company holds the surface rights to exploration for 94,982.39 hectares (234,706.59 acres) in Saskatchewan. The Company also has a 100% interest in 13,008 hectares (32,143 acres), with rare earth elements and uranium deposits over five mineralized zones in the Elliot Lake Camp, Ontario. Lastly, the Company holds the right to acquire up to a 70% interest in the PCH Project (See June 9<sup>th</sup>, 2023 Press Release – Click [HERE](#)) which is 40,963.18 ha. in size and located within the Goiás State of Brazil. (See January 11<sup>th</sup>, 2024 Press Release – [Click HERE](#))

To learn more about Appia Rare Earths & Uranium Corp., [click here](#)

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# Groundbreaking Discovery for Ionic Clays: Appia's PCH Project Signals a New Era for Rare Earth Exploration

written by Tracy Weslosky | March 17, 2024

Rare Earth Elements (REEs) have been the backbone of the modern tech revolution, powering everything from our smartphones to electric cars and renewable energy technologies. Appia Rare Earths & Uranium Corp. (CSE: API | OTCQX: APAAF), a leading player in the exploration and mining of REEs, has recently made a groundbreaking discovery that could have significant global implications.

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## Marty Weems of American Rare Earths on “outstanding” drill results and US govt project backing

written by InvestorNews | March 17, 2024

In this InvestorIntel interview with host Tracy Weslosky, [American Rare Earths Limited](#)'s (ASX: ARR | OTCQB: ARRNF) President – North America, Marty Weems talks about its recent “outstanding” drill results from its Halleck Creek Rare Earth Project in Wyoming.



In the interview, which can also be viewed in full on the InvestorIntel YouTube channel ([click here](#)), Marty discusses the results from the first four holes reported from the maiden drilling program at the Halleck Creek Rare Earth Project which “confirmed mineralization is consistent surface to depth, and we had mineralization at depth, so we’re really excited about what we see in both size and grade opportunity.” With the reported magnetic rare earth oxides comprising approximately 26% of TREO (Total Rare Earths Oxides) “by our estimation that puts it in a fairly world-class distribution,” Marty continues, “so we’re quite excited to see that number being as high as it is.”

Marty also discusses American Rare Earths’ recent announcement that its wholly owned US subsidiary, Western Rare Earths, is the sole industry member of a consortium that has been awarded research funding from the U.S. Defense Advanced Research Projects Agency (DARPA) to develop scalable, bio-based separation and purification of rare earths elements using Western Rare Earths’ feedstock. “I’m excited to see substantive, robust engagement by the U.S. government and putting budget dollars to support onshoring the supply chain, and I think it bodes really well for us.”

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

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### **About American Rare Earths Limited**

American Rare Earths Limited is an Australian company listed on the ASX with assets in the growing rare earth metals sector of the United States of America, emerging as an alternative international supply chain to China’s market dominance of a global rare earth market expected to expand to US\$20 billion by the mid-2020s. The Company’s mission is to supply Critical

Materials for Renewable Energy, Green Tech, Electric Vehicles, National Security, and a Carbon-Reduced Future.

Western Rare Earths (WRE) is the wholly-owned US subsidiary of the Company. ARR owns 100% of the world-class La Paz Rare Earth Project, located 170km northwest of Phoenix, Arizona. As a large tonnage, bulk deposit, La Paz is potentially the largest, rare-earth deposit in the USA and benefits from containing exceptionally low penalty elements such as radioactive thorium and uranium. Approximately 742 – 928 million tonnes of Rare Earths mineralized rocks are identified as an exploration target in the La Paz Rare Earths project's Southwest area with an average TREO Grade of 350 – 400ppm and Scandium Oxide grade of 20-24.5ppm. The new exploration Target is additive to the La Paz Rare Earth project recently upgraded 170MT Resource. (ASX Announcement, 29 September 2021). During the period from February to April 2022 the Company drilled nine holes for 821 metres and collected 677 samples in the La Paz southwest area. The assay results from the first 332 samples demonstrate rock type associated with higher rare earth grades. The enhanced grades and thickness of the mineralized zone have accelerated exploration planning. The Company is working on establishing a JORC resource for the southwest area (ASX Announcement, 14 June 2022). Preliminary metallurgical test work demonstrates that La Paz ore can be effectively concentrated using conventional magnetic separation, selective grinding and direct flotation. Under the guidance of Wood Australia, advanced metallurgy and mineral processing test work is near completion with Nagrom Laboratories in Perth Western Australia (ASX Announcement, 7 April 2022).

In the first half of 2021, ARR acquired the USA REE asset, the Halleck Creek Project in Wyoming. Since acquiring the asset the company has increased the land holding to over 6,000+ acres. Approximately 308 to 385 million tonnes of rare earths

mineralized rocks were identified as an exploration target for the Halleck Creek project area with an average Total Rare Earth Oxide (TREO) grade of 2,330 – 2,912 ppm. Initial surface sampling of the Overton Mountain area conducted in 2018 revealed average TREO values of 3,297 ppm, average Heavy Rare Earth Oxide (HREO) values of 244 ppm, and average Magnetic Rare Earth Oxide (MREO) values of 816 ppm. (ASX Announcement, 26 April 2022). The maiden exploration drilling program was completed in April 2022. The Company is updating the existing exploration target and developing a more comprehensive drilling program with the objective of defining a high tonnage maiden JORC resource.

La Paz and Halleck Creek's mineral profiles are incorporated into emerging US advanced rare earth processing technologies in collaboration with US national laboratories, major universities and the US DOE innovation hub, the Critical Materials Institute.

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