

# Producing Battery-Grade Lithium From Industrial Brine: White Silver Lithium Project Clears Key Technical Milestone

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Publication of an updated Technical Report Summary ("TRS") by [Intrepid Potash Inc.](#) (NYSE:IPI) has confirmed the long-term viability of the White Silver Lithium Project, which will recover 5,000 tons per year of battery-grade lithium carbonate from industrial brine by-product stream at Intrepid's Potash facility in Wendover, Utah.

On completion, this will be the first project in the USA to deliver high-purity lithium at scale using by-product brine from industrial process (potash).

While much of lithium used for battery production in the USA is extracted in Latin America and refined in East Asia, this project pioneers a new, fully domestic source of battery raw materials for a new generation of electrification. This project is notable for combining the extraction of lithium chloride with on-site conversion (or refining) to battery-grade (>99.5%) lithium carbonate. Design, engineering and execution of the White Silver Lithium Project is taking place under a joint development agreement comprising Intrepid Potash, Aquatech and Adionics.

The project is being developed by White Silver LLC, a wholly owned subsidiary of Aquatech. Aquatech combines bespoke development, modular system delivery, and lifecycle performance considerations to ensure project bankability and speed to execution. The modular and scalable nature of Aquatech's PEARL&TRADE; process technology platform underpins this approach, supporting capital efficiency and a long-term performance guarantee.

"This milestone reflects the strength of a developer-led approach that integrates resource understanding, process technology, and execution discipline," said Devesh Sharma, CEO at Aquatech. "By applying our PEARL&TRADE; technology platform and decades of experience delivering complex water and process projects, we are helping to shape a bankable pathway for domestic battery-grade lithium production from industrial brine."

## About White Silver

White Silver LLC is a project company established by Aquatech to develop a five thousand metric ton per year lithium carbonate processing facility in Wendover, Utah, in collaboration with Intrepid Potash and Adionics via a Joint Development Agreement. The project will strengthen domestic critical mineral supply chains while setting new benchmarks for cost, sustainability, and scale in U.S. lithium production.

Aquatech will design, build and operate the facility, leveraging its PEARL&TRADE; full-flow-sheet process technology platform along with Adionics' direct lithium extraction (DLE) technology.

The estimated measured and indicated lithium carbonate equivalent (LCE) mineral resources total approximately 119,000 metric tons. However, given the recharging nature of the shallow aquifer and quasi-infinite deep brine aquifer, the brine mineral resources can theoretically be produced in perpetuity.

[www.aquatech.com/white-silver-lithium](http://www.aquatech.com/white-silver-lithium)

## About Aquatech

Aquatech empowers the world's leading companies to reach their sustainability and performance goals with advanced process technology solutions. By combining innovation with deep industry expertise, we deliver integrated, end-to-end solutions that drive measurable environmental and economic results.

## About Intrepid

Intrepid is a diversified mineral company that delivers potassium, magnesium, sulfur, salt, and water products essential for customer success in agriculture, animal feed and the oil and gas industry. Intrepid is the only U.S. producer of muriate of potash, which is applied as an essential nutrient for healthy crop development, utilized in several industrial applications and used as an ingredient in animal feed.

## About Adionics

Adionics is at the forefront of lithium extraction advancements, offering a revolutionary approach that meets the needs of today's mining professionals. Adionics specializes in a closed-loop, liquid-liquid extraction process that efficiently and sustainably recovers lithium salts from various brines, including continental, geothermal or produced water.

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