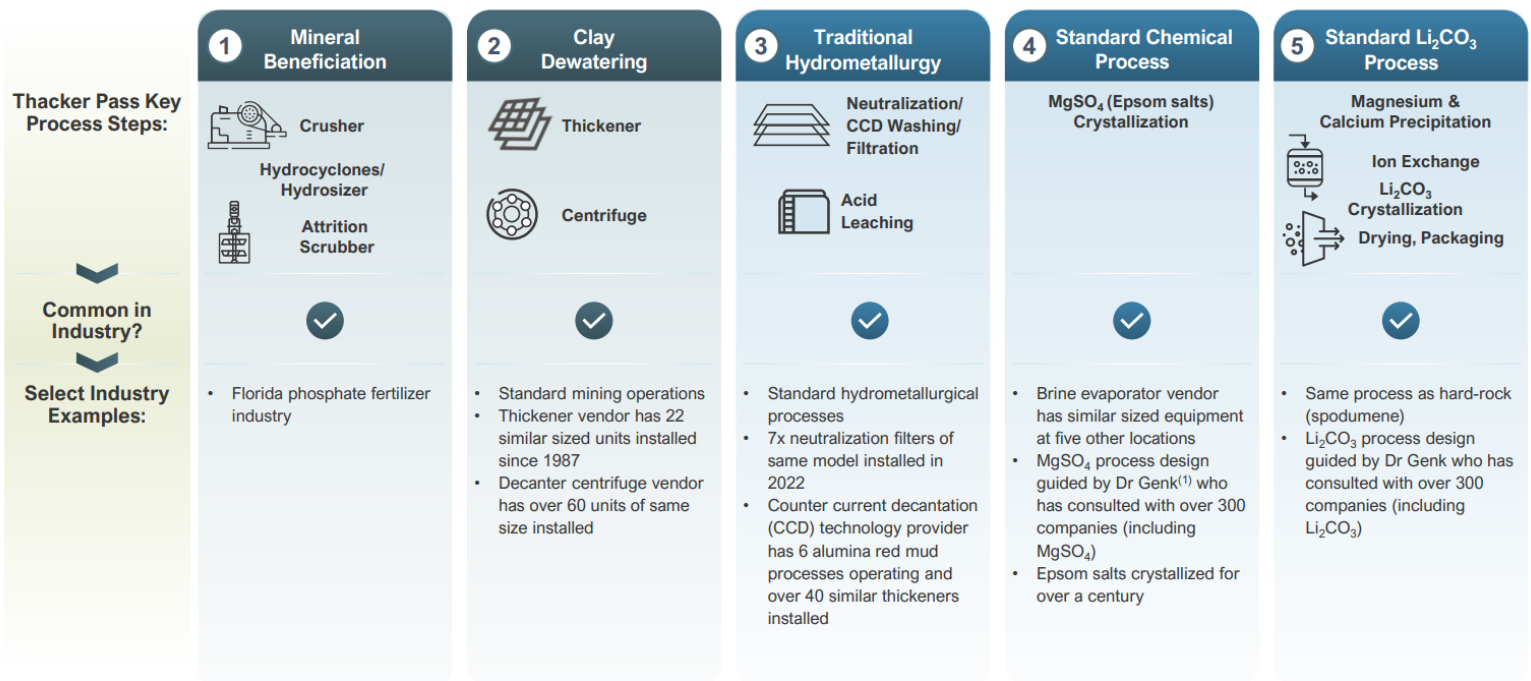




Mining and Processing

Thacker Pass Utilizes Well Proven Technology and Equipment

The Thacker Pass demonstrated flowsheet is built on commonly used mining and chemical processes. The Lithium Technical Development Center in Reno, Nevada has been producing battery-quality lithium carbonate samples from Thacker Pass ore.



■ Beneficiation Process ■ Chemical Process

(1) Source: <http://www.genckintl.com/>

Since 2008, we have worked to minimize the environmental footprint of Thacker Pass by designing a low-carbon and low-water Zero Liquid Discharge operation

Minimizing Environmental Impact Highlights

- Co-located sulfuric acid plant reduces the number of trucks on the road as each ton of sulfur can create three tons of sulfuric acid, and sulfur is much safer to transport
- Sulfuric acid production produces steam which will generate carbon-free power for the processing plant
- Mineralized soft clay, minimal blasting expected
- Shallow pit (less than 400 ft deep) with low strip ratio
- Block mining with active reclamation
- Filtered dry-stacked tailings
- Start-of-the-art emissions control systems
- Scope 1 and 2 carbon intensity estimated to be ~40% less than mining peers when including processing
- High recycle and reuse rate (+80%) in closed-loop, zero liquid discharge facility eliminates discharge of industrial wastewater into the environment

Mine Operator—Sawtooth Mining

In 2019, we entered into a mine design, consulting and mining operations agreement with Sawtooth Mining, a NACCO Natural Resources company, who will have design, construction, operation, maintenance, mining and mine closure services for Thacker Pass.

They have over 65 years of surface mining experience and currently operate seven surface mines in similar deposits. They have strong safety records and manage reclamation for over 200,000 acres under regulatory

permits. Their extensive reclamation history has earned them 99 federal and state awards in the last 45 years, which includes reclaiming over 61,000 acres of land, reconstructing over 68 miles of streams and 1,490 acres of wetlands and planted over 10 million trees.

This mutually beneficial agreement provides Lithium Americas with deep mining experience and expertise, and will provide job opportunities to the local available workforce.

Thacker Pass will be mined in blocks, once one block is mined to the bottom (<400 feet), mining will move to the next block while backfilling begins in the previously mined area. Block mining allows us to concurrently reclaim the land while mining still occurs. The backfilled pit would then be capped with growth media that was recovered at the beginning of construction and revegetated with native species.

Reclamation and Closure Planning

In designing Thacker Pass, we planned for closure well before we started construction in early 2023. Our approach to mine closure carries on throughout the life cycle of the mine. We create closure plans grounded in our principles—ensuring safety and stability, promoting socioeconomic transition and contributing to risk mitigation.

For Thacker Pass, plans are in place to initiate reclamation at the earliest economically and technically feasible date on portions of disturbed areas that are no longer required for operations. This early initiation of concurrent pit backfill and concurrent site reclamation will stabilize soil, reduce dust and naturalize runoff.

As of January 2024, the topsoil from the processing plant area has been cleared and moved into stockpiles, which have been contoured to blend in with the surrounding area and will be seeded with native grasses. This will ensure the original soil is available for reclamation purposes.

Filter stacked neutralized tailings will facilitate phased reclamation during operations and support reclamation plans to promote stability and restore native vegetation.



For More Information

For more information on our environmental, social, governance and safety initiatives, **SCAN THIS QR CODE** to visit our 2023 ESG-S Report:



Cautionary Statements




This document should be read in conjunction with Lithium Americas Corp.'s news releases, latest Management Discussion and Analysis, Financial Statements, Technical Reports, Annual Report Form 20-F and Management Information Circular (collectively "Disclosure Documents"), available on our website at www.lithiumamericas.com or on SEDAR+ or EDGAR. This document contains "forward-looking information" within the meaning of applicable Canadian securities legislation, and "forward-looking statements" within the meaning of applicable United States securities legislation, and readers should read the cautionary notes contained in the latest Disclosure Documents. Scientific and technical information in this document about the Thacker Pass Project has been reviewed and approved by Rene LeBlanc, the Company's Chief Technical Officer and a qualified person under National Instrument 43-101 Standards of Disclosure for Mineral Projects ("NI 43-101"). Further information about the Thacker Pass Project, including a description of key assumptions, parameters, methods and risks, is available in the NI 43-101 technical report of Lithium Americas dated effective November 2, 2022 entitled "Feasibility Study National Instrument 43-101 Technical Report for the Thacker Pass Project, Humboldt County, Nevada, USA" available on SEDAR+. **All figures presented are in US Dollars unless otherwise noted.**

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