Water Management

Responsible Water Management

Thacker Pass is a project founded on over 10 years of baseline data collection that was analyzed by the U.S. Department of the Interior's Bureau of Land Management (BLM) through an Environmental Impact Statement. The water resources Work Plan was approved by the BLM and data was collected in accordance with BLM guidelines and protocols.

A groundwater monitoring plan for the entire life of mine and into closure, as authorized by the BLM, has been developed to continue collecting data at water resources of concern. Data collected during the initial mining period will refine predicted potential impacts and optimize closure plans for later mining stages.

Water Management Plan

We are committed to working toward reusing and recycling water wherever possible and managing withdrawals in a manner that reflects basin conditions and long-term resource availability. Our water management practices include:

- Conducting early water quantity modeling to evaluate potential impacts to affected water basins and committing to update the groundwater model every five years.
- Providing water management training for employees and contractors.
- Proactively managing water quantity and quality through a comprehensive water management system that includes systematic monitoring. Monitoring data is collected, downloaded and reviewed in real-time using state-of-the-art technology. Water monitoring systems, data management processes and training of staff have been successfully conducted by our OBR team ahead of operations.
- Maintaining a water monitoring program designed to compare observed conditions against modeled projections, identify potential unanticipated risks and respond promptly to water-related issues.
- Engaging with local water users and communities to understand and, where feasible, act on their questions and priorities.
- Transferring existing water rights to avoid additional drawdown on the local aquifer and larger water basin area.
- Establishing water-related objectives to measure performance and support transparent reporting.

Our Achievements

- Drilled 19 piezometers to monitor groundwater levels during construction and operations of Thacker Pass
- Completed a draft of the updated groundwater model with new information obtained by monitoring efforts
- Constructed a water 6.6-mile pipeline, using materials that meet clean drinking water standards.
- Constructed a culvert system, sized to convey a 100-year, 24-hour storm event, to preserve natural drainage while providing access to the process plant.
- Built concrete armor barriers to prevent erosion and maintain water quality at two creek crossings within our pipeline right-of-way in the Quinn River Valley.
- Implemented a construction stormwater pollution prevention plan and associated control measures.

Water Recycling, Reuse and Discharge Prevention

The process flowsheet design for Thacker Pass is leveraging filtration, evaporation and centrifuge technologies to limit the amount of water obtained from natural sources by reusing and recycling processed water. Based on a detailed water cycle assessment, any water withdrawn for the project is expected to be recycled and reused an average of approximately seven times within the production process. Thacker Pass is also being designed as a zero liquid discharge (ZLD) facility that does not discharge industrial wastewater into the environment. The ZLD circuit is included in the design was a water treatment process to eliminate liquid waste by removing contaminants and recovering water for reuse within the process.

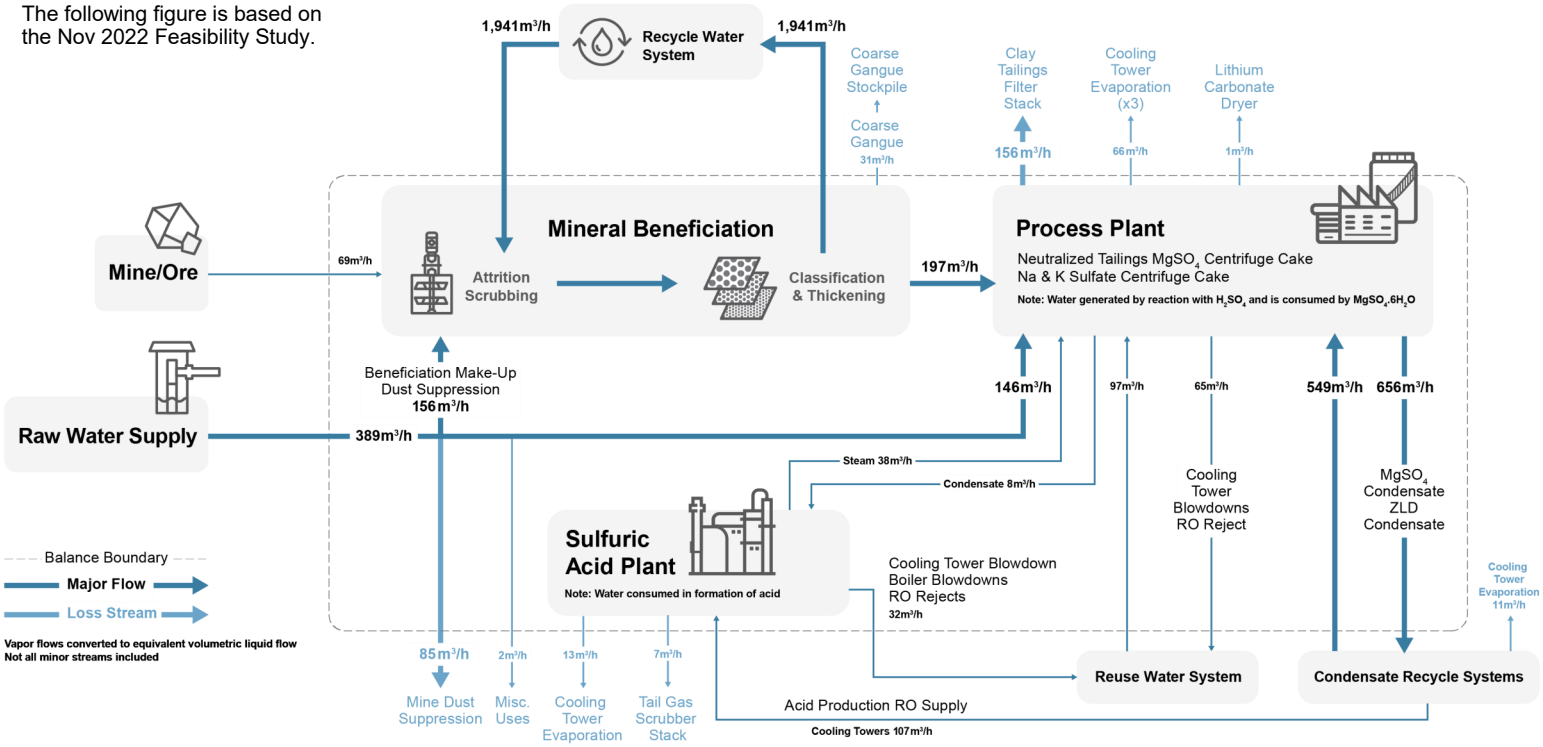
To reduce the cumulative impact of water withdrawal on the local aquifer, Thacker Pass will use existing nearby water rights, making the overall withdrawal volume consistent with past years. Phase 1 requires approximately the same amount of water as 4-5 alfalfa irrigation pivots.

When water rights were transferred from agricultural use to industrial use, 22.5% of the total allowable withdrawal volume was returned to the state of Nevada.

Any water withdrawn for Thacker Pass is expected to be recycled and reused an average of approximately 7x within the production process

How Water Flows at Thacker Pass

The following figure is based on the Nov 2022 Feasibility Study.



Cautionary Statements Regarding Forward-Looking Statements

This document should be read in conjunction with Lithium Americas Corp.'s news releases, latest Annual Report on Form 10-K, any subsequently filed Quarterly Reports on Form 10-Q or Current Reports on Form 8-K, technical reports and other disclosures available on our website at www.lithiumamericas.com or on SEDAR+ or EDGAR, as applicable. This document contains "forward-looking information" within the meaning of applicable Canadian securities legislation, and "forward-looking statements" within the meaning of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended, which are based on our current expectations. We believe that our current expectations are based on reasonable assumptions; however, no assurance can be given that such expectations will prove to be correct. Readers are cautioned not to place undue reliance on forward-looking statements, which speak only as of the date hereof. We undertake no obligation to publicly update or revise any forward-looking statement, whether as a result of new information, future developments or otherwise, except as may be required by law. 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 independent NI 43-101 technical report entitled "NI 43-101 Technical Report on the Thacker Pass Project Humboldt County, Nevada, USA," available on SEDAR+ and the independent S-K 1300 technical report entitled "S-K 1300 Technical Report on the Thacker Pass Project Humboldt County, Nevada, USA," in each case dated effective December 31, 2024.

All figures presented are in US Dollars unless otherwise noted.

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