

Water Management

We have been monitoring and studying water resources in the area since 2011

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

Our priority is to sustainably manage water resources by limiting use and safeguarding quality. We are committed to:

- ◆ Conducting early assessments of the broader impacts on impacted water basins.
- ◆ Providing water management training to relevant employees and contractors.
- ◆ Proactively manage water quantity and quality using a water management system that maintains the water balance.
- ◆ Engaging with other local water users and communities of interest to understand local questions and priorities.
- ◆ Transferring existing water rights to avoid additional draw from total groundwater pumped to reduce the cumulative impact of our water withdrawal on the local aquifer.
- ◆ Maintaining a water monitoring program with measures to evaluate performance versus modeling projections, mitigate any unanticipated risks to water resources and respond to any water-related incidents.
- ◆ Setting water-related objectives to measure and reporting on performance.

Our Achievements

- ◆ Received water rights permits for 2,850 acre-feet (volume of water transferred after required conversion reduction) of water annually for Thacker Pass.
- ◆ Partnered with a local rancher to lease back a portion of the water rights for the 2023 growing season, helping the rancher with their operations.
- ◆ Constructed a water 6.6-mile pipeline, using materials that meet clean drinking water standards.
- ◆ Drilled a monitoring well (MW23-01) southwest of the future West Waste Rock Storage Facility. Water quality and quantity data is being collected quarterly on the new monitoring well.
- ◆ 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.

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. This is an extensive commitment because it means all processed water, including water filtered from tailings, must be recycled in the site's production 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.

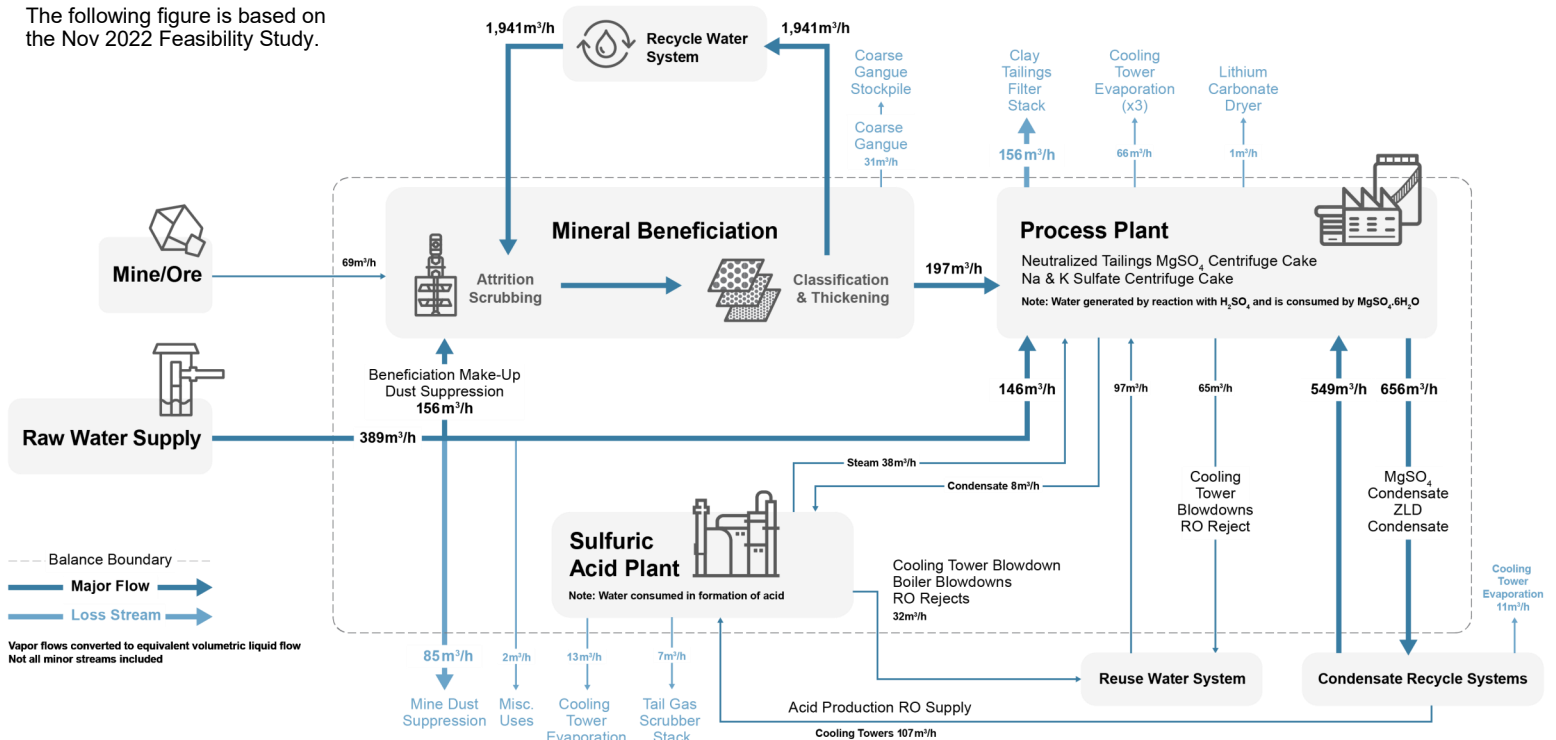
When water rights were transferred from agricultural use to industrial use, 22.5% of the total allowable withdrawal volume was returned to the state of Nevada. No additional water rights are required for Phase 1.



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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 Management Discussion and Analysis, Financial Statements, Technical Reports, Annual Report Form 20-F and Management Information Circular, 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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