

# Responsible Mining Relationships

The Kings Mountain site is one of the few known hard-rock lithium deposits in the U.S. and redevelopment of the Kings Mountain Mine is anticipated to provide a valuable domestic source of lithium. Our customers are seeking greater security from geopolitical risks as well as reduced carbon emissions in their supply chains. Albemarle is a leader in responsible mining practices, and we are taking steps to redevelop the Kings Mountain Mine in an environmentally and socially responsible way.

## LEVERAGING LAND AND MATERIAL USE FOR A MORE SUSTAINABLE WORLD

As Albemarle pursues its mission of building a more resilient world with people and planet in mind, we view it as our duty to manage our resources responsibly, efficiently and effectively at all our global sites.

We intend to leverage the existing Kings Mountain Mine site, a former mica mine, and an adjacent quarry in a manner that minimizes additional land disturbance. The nearby quarry provides Albemarle with the opportunity to maximize beneficial use of non-ore-bearing rock.

## MARTIN MARIETTA RELATIONSHIP

Albemarle and Martin Marietta, the quarry operator adjacent to the Kings Mountain site, have formed a strategic relationship to optimize a portion of those mined materials.

Once the Kings Mountain Mine is operational, the mine is expected to generate non-ore-bearing material that can be used for construction aggregate material production. As part of the agreement, Albemarle plans to deliver



A look at the proximity of the existing Kings Mountain Mine pit (foreground) and Martin Marietta's Kings Mountain quarry (upper right background).

the material to Martin Marietta which intends to process it through their current facility and sell it to the construction aggregate market.

Albemarle and Martin Marietta expect that the reuse of the aggregate materials will reduce their operational footprints, with the adjacency of Martin Marietta quarry allowing material to be transferred without using public

roadways. In addition, a royalty fee for each ton sold by Martin Marietta will be transferred to a non-profit entity and used for the community's benefit.

The relationship is estimated to increase the project's overall economic contribution to the region by extending the life of the quarry and thus providing ongoing employment opportunities and economic benefit for the Kings Mountain community.

## UPCYCLING TAILINGS FOR COMMERCIAL USE

There is also other non-ore-bearing material involved in the mining process that has commercial value. Approximately three million metric tons of tailings have been stored at the Kings Mountain Mine since it ceased operations in the early 1990s, however, the Albemarle team recently commenced commercial sale of this material.

For the past year, Stonepeak Ceramics has been procuring sandspar from Kings Mountain. The manufacturer of high-tech porcelain stoneware solutions uses the sandspar for its ceramic products at its manufacturing facility in Crossville, Tennessee. Stonepeak's products include bathroom tiles, kitchen backsplashes and flooring.

Albemarle intends to evaluate repurposing other byproducts at the Kings Mountain Mine such as tailings and mica to other industries that rely on these types of raw materials and explore markets both established and emerging for these materials.



Albemarle is actively exploring different options for mine tailings to be repurposed in different industries such as ceramics, cement, brick making and decorative sand.

### Caterpillar Inc. Agreement

In 2023, Albemarle signed agreements with Caterpillar Inc. to collaborate on solutions to support the full circular battery value chain and sustainable mining operations. These efforts include the utilization of next-generation, battery-powered mining equipment that will support Albemarle's efforts to establish Kings Mountain as the first-ever net zero greenhouse gas emissions lithium mine site in North America.

Caterpillar and Albemarle have entered into an agreement enabling the use of Albemarle's North American-produced lithium in Caterpillar's battery production. The two companies will also explore opportunities to collaborate on research and development of battery cell technology and recycling techniques.

Further information is available in Spanish upon request or at [albemarlekingsmountain.com](http://albemarlekingsmountain.com)

For more information or to provide community feedback on the project:

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Albemarle leads the world in transforming essential resources into critical ingredients for mobility, energy, connectivity and health. We partner to pioneer new ways to move, power, connect and protect with people and planet in mind, enabling a more resilient world. Our global headquarters is approximately 35 miles from Kings Mountain in Charlotte, NC.

