

Who is Cemex?

Cemex is a building materials company that provides high-quality products and reliable services with a rich history of improving the wellbeing of those it serves through innovative building solutions, efficiency advancements and sustainability efforts. Cemex is a leader in manufacturing building materials specializing in cement, ready mix concrete and aggregates. For more information, please visit www.cemexusa.com.

Cemex owns and operates the Rockfield aggregate facilities on Friant Road just north of the City of Fresno. For the past 100 years, this quarry has provided the greater Fresno region with a reliable and affordable source of construction aggregate found in homes and businesses throughout the area, including public infrastructure such as roads, hospitals, and schools; literally the building blocks of the region. Cemex's Rockfield facilities operate under several permits issued by the County of Fresno and the State of California. Cemex directly employs over 90 people in the Fresno region, providing high quality, high paying jobs as a source of economic security for their families.

What is an Aggregate facility?

In the state of California, an aggregate facility is defined as a surface mining operation and is regulated by the Surface Mining and Reclamation Act of 1975.

Aggregates, which include sand, gravel and crushed stone, are natural materials found in the earth that can be economically extracted. They are commonly used in construction materials like concrete and asphalt, as well as in road base and landscaping.

For more information, please visit the California Department of Conservation Minerals Program Resources page (<https://www.conservation.ca.gov/cgs/minerals/program>).

What are Cemex's plans for the future of the facility?

Application Filed in December 2019, Cemex filed an application with Fresno County to:

- Mine deeper within the current footprint ("mine modification")
- Extend the operational life
- Update the reclamation plan (restoration of the quarry post-mining)

Reclamation Plan

- Reclaims the site to natural habitat
- Restores 470 acres of open space including riparian areas, ponds, lakes, trails and native vegetation
- Benefits local wildlife, habitat and potential outdoor recreation
- Certain activities can begin before the quarry closure

San Joaquin River Parkway Master Plan

- Proposed mine modification is consistent with the Parkway Plan
- Cemex continues good stewardship of the river and surrounding land
- **No mining of the San Joaquin Riverbed or future plans to do so**

Will the proposed project undergo an environmental review process?

Since 2019, the proposed mine modification project application has been undergoing an extensive environmental analysis known as the CEQA process per the California Environmental Quality Act, which includes:

- Preparation of an Environmental Impact Report
- Analysis of biological, hydrological, geotechnical and ecological resources
- Reviews of traffic, air quality, drainage and environmental justice impacts
- Prepared and managed by Fresno County, the lead agency

Cemex is not responsible for managing the environmental analysis under CEQA. As required by law, the CEQA process provides **multiple opportunities for the public to submit written and oral comments**, including the Fresno County Planning Commission and Board of Supervisors.

What did the County Board of Supervisors vote on in July of 2023?

CEQA Process Delays:

- Existing conditional use permits (CUPs) were set to expire in July 2023
- CEQA analysis for Cemex's mine modification project was delayed due to COVID-19, extending beyond the typical four-year period

Permit Extension:

- Board of Supervisors approved a three-year extension for existing CUPs
- No changes to existing operations or environmental impacts were involved
- Ensures compliance with all air, water quality and safety standards
- Does not increase the number of truck trips currently allowed under the current CUP
- Maintains job security for **over 90 employees**



What is the process to remove materials and what are the safety measures?

Current:

Construction aggregates are extracted using common equipment such as excavators, loaders, and dump trucks, digging the material from the ground and putting into trucks for transport to the processing plant.



Modification Plan:

Fracture the hard rock below the sand and gravel base through controlled blasting so it can be loaded into trucks for transport to the processing plant.

A common misconception is that “blasting” requires dynamite to fracture the rock, projecting rock into the air. The use of dynamite was abandoned decades ago, and with modern techniques, the rock drops to the ground.

Modern Techniques

- No use of dynamite; outdated and imprecise methods are obsolete
- Current methods involve drilling small holes in a predetermined pattern into the rock, then implanting electronically controlled and synchronized explosive agents
- Approximately 96% of blast energy is contained within 20 feet of the blast hole, reducing ground and air vibrations, and dust. *Vibra-Tech Engineers, Inc “Blast Impact Analysis” 2019.*
- All safety measures are in place prior to a blast

Third-Party Consultants

- Cemex hires licensed, expert, professional consultants for drilling and blasting

Drill and Blast Schedule

- May occur 1-2 times per week
- Between 10 a.m. and 2 p.m.
- Will **NOT** occur on weekends or holidays
- A blast event will last approximately **2 seconds**

“Cemex can develop the Rockfield Quarry with no adverse effect on surrounding structures and residents from ground and air vibration.” Vibra-Tech Engineers, Inc May 2020.

What is Cemex’s safety culture?

Cemex’s top priority is the safety of our people, contractors, vendors and community. The company employs numerous policies and procedures to ensure a safe working environment. Zero4Life is Cemex’s commitment for achieving zero injuries and incidents in the workplace, following four fundamental principles for prevention – accountability, behavior, communication, and dedication – and living safely both on and off the job.

Cemex has dedicated safety managers who collaborate with plant managers to educate and implement safety programs, and monitor progress and performance among employees, so everyone goes home safe and healthy each day.

The Rockfield quarry is regulated by both the U.S. Department of Labor’s Mine Safety and Health Administration (MSHA) and Cal/OSHA Mining and Tunneling.

12 years accident-free operations – an operational excellence achievement!

Zero4Life

California's roads, mass transit, single family homes and high-density smart growth all depend on large quantities of construction aggregates (rock, sand, and gravel) transported to job sites throughout the Fresno region.

As California's aggregate reserves are depleted faster than replacement sources are permitted, more reliance on outside resources (imported from out of the region, state or country) is required to meet the continuous demand for the material. As noted in the California Geologic Survey "Aggregate Sustainability in California", the Fresno region will need approximately **6 million tons of construction aggregates annually over the next 50 years**. On average, every Californian uses between 5-7 tons of construction aggregates annually.

What are the benefits of local aggregate resources?

Efficiency and Savings

- Shorter haul distances **reduce** transportation costs, fuel consumption, and **greenhouse gas emissions**
- Reducing the distances these trucks travel is a key strategy in reducing greenhouse gases and reducing the state's carbon footprint.
- Transporting from shorter distances:
 - ✓ Protects the environment and reduces traffic
 - ✓ Saves taxpayers and consumers money on projects. **Cost doubles for every 25 miles transported***

Economic and Safety Benefits

- Cost savings for public and private projects, including housing and infrastructure
- Locally sourced materials can shorten construction timeframes, which have been shown to reduce safety incidents for road workers
- Cal Trans: Reducing haul distances by 15 miles cuts material costs by 42%, saves \$12-\$15 million annually in road wear and tear, and avoids \$9 million in construction delays

*Source: California Construction and Industrial Materials Association

Notable projects supplied by Rockfield Quarry

- ✓ Amazon Fulfillment Center in Fresno
- ✓ Chukchansi Ball Park
- ✓ Clovis Community College
- ✓ Clovis Community Medical Center
- ✓ Highways 41, 168, and 180
- ✓ Save Mart Center at California State
- ✓ University Fresno

The City of Fresno recently committed to building thousands of new homes and new infrastructure in the near future. The Rockfield quarry is uniquely positioned to provide materials for these projects and remain a **valuable source of local aggregate**.

What is Cemex doing for the environment?

Future in Action is our six-pillar plan to achieve sustainable, environmental excellence through climate action, circularity, and natural resource management to become a net-zero CO₂ company.

FUTURE IN ACTION



Sustainable Products & Solutions

Cemex offers products that help our customers reduce the environmental footprint of their projects.



Decarbonizing Our Operations

Cemex is evolving its production process to reduce its carbon footprint every step of the way.



Circular Economy

Cemex consumes and recycles waste in its operations to lower its carbon emissions and manufacture sustainable products with a lower carbon footprint.



Water, Biodiversity & Air Quality

Cemex is committed to having a positive impact on nature through preservation, restoration and biodiversity enhancement.



Innovation & Partnerships

To achieve carbon neutrality, Cemex is investing in breakthrough technologies.



Promoting a Green Economy

Cemex is committed to promoting the adoption of more sustainable construction practices.

Climate action has been a priority for Cemex for many years.

Global Commitment to Climate Action

- Supports the Paris Agreement and UN Sustainable Development Goals
- Focuses on energy efficiency, alternative fuels, renewable energy, circularity, and clinker substitution
- Rockfield facility has received Conservation Certification from the **Wildlife Habitat Council** since 2017
- Rockfield facility also operates under a site-specific biodiversity plan



Role of Concrete

- Concrete is vital for a low-carbon economy due to its strength and resilience
- Essential for climate-smart urban projects, sustainable buildings and climate-resistant infrastructures
- Concrete is the second most used material in the world after water

Rockfield: Project Q & A

How does Cemex participate in the community?

Cemex actively engages and supports many local organizations, here are just a few:

- Art of Life Foundation
- Associated Builders & Contractors of Nor Cal
- Associated General Contractors of America
- Central California Builders Exchange
- Fresno Area Hispanic Foundation
- Fresno Chamber of Commerce
- Fresno Police Department
- Fresno Rescue Mission
- Sheriff Memorial Foundation
- Kiwanis East Fresno
- Operation Homefront
- Poverello House
- San Joaquin River Parkway and Conservation Trust
- Toys for Tots
- The Light House Women's Recovery Center
- During flood events, Cemex provides for free, fully-filled sandbags to neighbors

