

THE DOE RUN COMPANY

Celebrates 150 years

OF LEAD PRODUCTION



Mined Here. Employed Here. Recycled Here.

Three principles have guided our Company throughout our history: stewardship, integrity and commitment. We serve as a steward of the land and mineral resources in our care, and we are committed to supporting our employees, communities and business partners with integrity. We are proud of our history and optimistic about our future.

The Doe Run Company (Doe Run) traces its roots to 1864, when the St. Joseph Lead Company (St. Joe) purchased

946 acres of land in and around Bonne Terre, Mo. The move consolidated mining that had taken place throughout the region on the surface or in shallow shafts since the early 1700s. Today, Doe Run operates the world's second largest lead mining district and one of the world's largest single-site lead recycling plants, both in southeastern Missouri.



Explore more
mining history at
doeruncelebrates150.com



Mined Here:

In the lead industry, the term "Doe Run" has become synonymous with "high-purity lead," as a result of the purity of the concentrates from Missouri's lead mines.

Produced Here:

In its 150 years, the Company has produced almost 17 million tons, or 34 billion pounds, of primary lead metal.



Doe Run supports local schools with taxes, donations and infrastructure investments, including solar energy upgrades at one local high school. Solar panels also depend on lead for energy storage.



Lead at Work

Thanks to lead's many useful properties and 98 percent recycling rate, it will continue to play a critical role in solving the world's future energy challenges. Missouri's high-grade lead is used by many industries, including:

- **Energy** — For storage, emergency power, grid load leveling and protection from nuclear materials.
- **Military** — For bullets, submarines, tanks and ships.
- **Construction** — For earthquake stabilization on expansion bridges, and weather- and sound-proofing.
- **Medical** — For backup power, radiation protection and nuclear medicine.
- **Transportation** — For airport security, air traffic control power, railroad crossings and ignition.
- **Consumer products** — For car batteries, computer screens and alternative telecommunications power.

Commitment

Mining supports our modern lifestyle and contributes nearly \$2 trillion to the U.S. economy each year.² Doe Run contributes nearly \$1 billion in economic impact annually to the Missouri economy,³ including:

- Nearly \$318 million to household incomes.³
- More than \$30 million in taxes for Missouri.
- More than \$217 million to Missouri suppliers.



Employed Here:
Doe Run employs close to 1,400 people in Missouri, and supports an additional 6,600 indirect jobs.

A Look Back



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1864

St. Joe is formed in New York, and begins exploration and mining around Bonne Terre, Mo.

1869

St. Joe introduces the diamond drill to Missouri lead mining, spearheading ore discovery underground in what came to be known as the Old Lead Belt.

1892

The Company's first smelter begins processing lead concentrate from the highly productive Missouri mines. Booming operations supply the highest quality lead in the nation and help establish the city of Herculaneum.



1922

The Company introduces the world's first electric shovel, the St. Joe Shovel, designed by Company engineers. The shovel replaces hand shoveling and dramatically increases production.

1950s

Doe Run discovers rich ore deposits north of Viburnum, Mo. This area, together with the Old Lead Belt, has produced 90 percent of the nation's primary lead supply, and continues to play a role in the global lead market.

1986-1991

The company purchases and transforms a primary smelter into a secondary smelter, or lead recycling facility. Today, this lead recycling facility is one of the largest single-site secondary smelters in the world.

2010

In partnership with its technology partner Engitec, Doe Run announces a new lead electrowinning production technology. The process can produce 99.99 percent pure lead while virtually eliminating sulfur dioxide emissions and lead air emissions.



2012

Riverview Commerce Park LLC enters into a letter of intent with Doe Run to develop approximately 500 acres along the Mississippi River, including Doe Run's Herculaneum site. In 2013, Mississippi Sand is the first company to ship products via a new port on the site.

2013

The mining division reaches 3 million safe hours with no lost time, and also wins two Sentinels of Safety Awards in the same year — a first for the company — bringing its total to 27 since 1971.



A long tradition of supporting local communities continues today. In 2013, Doe Run donated more than \$133,000 to local organizations. Herculaneum's MR&BT Bridge, shown here, is another example of Doe Run's partnership with the community.

Integrity

In the early days, Doe Run established many of the institutions that enabled residents to thrive in up-and-coming towns.

- In Viburnum, Mo., Doe Run helped build the schools, hotel, country club, golf course, pool and bowling alley.
- During the Great Depression, the Company provided plots for family gardens and permitted employees to cut firewood from its land. At Christmas, children received oranges, small toys and candy provided by the Company.
- More recently, Doe Run donated property and funds to build the bridge across Joachim Creek in Herculaneum, Mo., and provided \$336,655 to the Jefferson County Port Authority to study the development of a port on Company property.
- Doe Run also makes significant donations to area schools, including food and supplies for children in need; and prepares the future workforce through internships, scholarships, and funds to local colleges.

Recycled Here:
Doe Run has recycled more than 142 million lead-acid batteries since 1991.



Stewardship

Doe Run oversees more than 70,000 acres of land, including 38,000 acres of forest, and manages 30 million gallons of water entering its mines every day. In the last decade, we've planted more than half a million seedlings. Doe Run also invested more than \$216 million on total environmental spending from 2010 through 2013, including remediating historic mine sites.

Return Service Requested

Explore more
of our mining
history inside



A Bright Future for Lead

Global demand for lead is expected to grow five to six percent annually to 16 million metric tons per year by 2025. Whether by researching the recovery of metal values from waste products, diversifying metal products from its secondary plant, or using the lead electrowinning process as it investigates new mining opportunities, Doe Run will continue to innovate to help meet the demands of the future.

Doe Run operates six mines, four mills and a lead recycling center in southeast Missouri. We also make products that provide power, protection and convenience at our subsidiary operations in Washington and Arizona.

1 Battery Council International (BCI)
2 Minerals Make America, National Mining Association (NMA)
3 2008 Development Strategies Economic Study produced for The Doe Run Company

Celebrate With Us

Join us at a number of
community events:

St. Pat's Day Parade Rolla 3/15/14	July 4th Parade Herculaneum 7/4/14
Spring Fever Days Parade Ellington 5/10/14	Old Miners' Day Parade Viburnum 10/4/14
Moses Austin Heritage Day Potosi 6/14/14	Fall Rocks Park Hills October
July 4th Parade Bonne Terre 7/4/14	Oktoberfest Parade Bunker October