

Doe Run Backgrounder

Metals Division – Resource Recycling

Located in Boss, Missouri, Resource Recycling is a part of The Doe Run Company's (Doe Run) Metals Division. As one of the most advanced recycling centers of its kind, Resource Recycling can process more than 11.5 million spent lead batteries each year – returning valuable lead metal to use in car batteries and renewable energy storage. Resource Recycling plays a vital role in helping lead batteries maintain a 99% recycle rate.

HISTORY

As one of the world's largest, single-site lead recycling facilities, Doe Run's Resource Recycling facility is an important part of the circular economy of lead batteries. Since 1991, Resource Recycling has recycled enough lead batteries to circle the globe.

FACTS

- Resource Recycling processes and recycles approximately 460 million pounds of lead-bearing material annually.
- Lead batteries power nearly 275 million cars and trucks in the U.S. and meet the needs of 70% of the world's rechargeable energy storage needs, including renewable energy. Lead batteries account for more than 85% of today's lead consumption.
- Lead batteries are the most recycled consumer product; according to the U.S. Environmental Protection Agency (EPA), 99% of lead batteries are recycled.
- In addition to batteries, recycled materials include lead bullets, lead-containing glass from old television and computer screens, and lead-based paint chips from abatement projects.
- Resource Recycling also operates a cable processing facility that recovers lead from collected telephone and electrical cable.

FACILITY PERFORMANCE

- Resource Recycling operates under Resource Conservation and Recovery Act (RCRA) Part B Hazardous Waste Facility Permits issued by the Missouri Department of Natural Resources and reviewed by the EPA.
- Resource Recycling holds ISO 9001:2015 quality management systems and ISO 14001:2015 environmental management systems certifications as evidence of its commitment to high quality and environmental stewardship.
- The facility's safety record consistently ranks well ahead of industry standards. Resource Recycling has reached 1 million safe work hours without a lost-time injury three times since it opened in 1991, including in 2012, 1998 and 1993.

COMMUNITY INVOLVEMENT

- Resource Recycling sponsors an annual summer internship program for college students.
- Resource Recycling is a top sponsor of the annual [Old Miners' Days](#) celebration in Viburnum, Missouri, and the [Fall Rocks](#) community event in Park Hills, Missouri.
- Employees guide Doe Run's Minerals Education Program, which includes minerals-related outreach initiatives, such as classroom visits, community presentations, facility tours, and professional development programs for educators.

FACILITY UPGRADES

- In 2016, Resource Recycling completed a multi-million-dollar investment to update the plant's breaking, separation and neutralization system, which increased production efficiency, further reduced the blood-lead levels for employees and enabled Doe Run to recycle absorbed glass mat batteries.
- In addition, Resource Recycling completed several upgrades aimed at meeting new environmental regulations, such as a dry lime scrubber to better manage air emissions, and additional water management and materials storage infrastructure.
- Doe Run also added additional kettles at the refinery.

CONTACT INFORMATION

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