

# Doe Run Backgrounder

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## Seafab Metals Company

Seafab Metals Company is a trusted expert in lead fabrication with a more than 90-year history of excellence. Located in Casa Grande, Arizona, Seafab Metals delivers important lead products to a variety of customers in the construction, lead fabrication and energy sectors. Lead's unique protective properties make it ideal for building products, nuclear storage, and military, medical and energy industries. The facility pours custom lead castings to safely store and transport nuclear materials, and it produces sheet lead for roofing; lead shielding used to block sound waves and x-rays; lead anodes for electrowinning; bullet materials; caulking lead; alloys; and specialty extruded shapes.

### **PRECISION POURS, PREMIUM QUALITY**

Seafab Metals is a trusted supplier of precision lead metal materials that serve construction, medical, military, nuclear storage, and energy industry needs.

Seafab Metals is compliant with current requirements by the nuclear regulatory standard, The American Society of Mechanical Engineers (ASME) NQA-1, the only quality program endorsed by the Nuclear Regulatory Commission.

With its dedicated nuclear management team, the facility can manage high-quality lead pours up to 500,000 pounds and can accommodate on-site gamma scanning and ultrasonic testing to ensure products meet commercial and government standards.

The team collaborates with customers throughout the process to ensure the shielding integrity of each cast.

Each year, Seafab Metals pours approximately 36 tons of molten lead into dozens of containers for nuclear storage and transportation. Lead's unique protective properties make it ideal as a lining for these containers to offer protection from nuclear materials.

In addition, Seafab Metals delivers a variety of precision lead products, including:

- Lead shielding used to block sound waves and x-rays;
- Lead anodes for electrowinning;
- Specialty extruded shapes;
- Sheet lead for roofing;
- Caulking lead;
- Alloys and
- Castings.

Three fabrication techniques create distinct shapes for customers. At the rolling mill, 4 ½-inch-thick lead slabs are rolled like pie crusts into sheets for roofing and shielding against sound waves, X-rays and nuclear radiation. Using a press, lead can be extruded to create pipe or wire. Lead also can be cast into a mold.

Lead and lead alloys have a long history as the material of choice in electrowinning and electro deposition. Seafab Metals supplies rolled anode sheets and shaped anodes for electrowinning and electro deposition. Extruded star and rosette anodes have the advantage of offering a substantial amount of surface area while taking up less space than plates, rods or bars.

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### THE DOE RUN COMPANY'S ROLE

Seafab Metals is a wholly owned subsidiary of Doe Run. Doe Run's president and chief executive officer, Jerry Pyatt, serves as president of FPI. Dave Olkkonen serves as general manager of Seafab Metals.

### FACTS

- The operation employs 28 people.
- Seafab Metals uses primary and recycled lead for its applications and performs its own alloying. It creates hundreds of different products for customers.
- The facility meets all state and federal environmental rules and regulations.

### RECENT ACCOMPLISHMENTS

In 2020, Seafab Metals surpassed 20 years without a lost-time accident. It has received a "Perfect Record Award" from the National Safety Council each year since 2000.

### CONTACT

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