

CONTROLLED STRATEGIC-MATERIAL DEVELOPMENT

A disciplined pathway from industrial residues to qualified strategic-material products.

Americas Rare Earth Corporation (ARE) is advancing Patriot One Plasma™, an ARE-controlled platform designed to develop prospective rare-earth product pathways, route radiological constituents through separately controlled channels, capture targeted volatile constituents, and reduce long-term industrial-residue liabilities.

OUR VISION

Help transform the phosphate mining and processing industry's long-lived phosphogypsum byproduct into a recurring, above-ground resource platform that can be replicated where feed, infrastructure, regulation, and markets support a qualified project.

Characterize

Representative feed, mineralogy, variability, site and infrastructure.

Separate

Operate within a protected, non-enabling process boundary.

Route

Keep rare earths, radiological material, toxics and mineral fractions on distinct paths.

Qualify

Advance each output through analytical, regulatory and customer gates.

PROJECT PORTFOLIO / 02

Two development programs.
One protected architecture.

Each project stands on its own feed, host, regulatory path, engineering basis and qualification evidence.

PROJECT PHOENIX

Florida, U.S.

Domestic industrial-phosphogypsum development.

PROJECT BOOMERANG

Türkiye host model

Host infrastructure with an ARE-controlled core.

TARGET SUITE

Nd, Pr, Dy, Tb

Plus Sm, Y, Gd, Sc and other feed-specific REEs.

CONTROLLED PATHWAY

U, Th, Ra

Project-specific classification and recipient route.

Current development focus

Representative feed, analytical-method review, bench closure, engineering and OEM packages, environmental and radiological coordination, product qualification, and host development.

Corporate verification

Legal entity: Americas Rare Earth Corporation

CAGE: 9V9F2 | UEI: TY4RNMKMCHL1

DEVELOPMENT FRAMEWORK

Evidence governs each next step.

01 - PROTECTED IP

Secure the core

ARE controls architecture, integration, data and know-how.

02 - HOST BASIS

Pair resource + infrastructure

Feed, site, utilities, logistics and authority come first.

03 - SEPARATE PATHS

Contain each material family

No output advances without its own qualification route.

04 - MARKET

Define before scale

Buyers and licensed recipients help set acceptance gates.

Resource owners

Bring feed, site and infrastructure.

Buyers & processors

Define form, purity and qualification.

Licensed counterparties

Define controlled-material pathways.

Strategic investors

Advance evidence-gated development.

Government reviewers

Review a source-controlled public record.

Development-stage information only. Project configuration, feed composition, capacity, products, recovery, purity, volumes, economics, schedules, regulatory treatment and customer acceptance remain subject to representative feed, engineering, testing, approvals, financing, written agreements and qualification. Learn more at americasrareearth.com.