

Orano Enrichment USA

IKE Enrichment Facility

Pre-application Meeting – Safety Program and Material Control & Accountability

July 2, 2025
NRC Headquarters – Rockville, MD

OPI 0 UNRESTRICTED



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SAFETY PROGRAM

**MATERIAL
CONTROL &
ACCOUNTABILITY**

00 ● Introduction

00 • Orano Enrichment USA

Headquartered in Bethesda, MD, Orano USA is a leading supplier of advanced reactor services, nuclear fuel materials, used fuel management, decommissioning, decontamination, and radwaste treatment solutions to U.S. commercial and federal customers.



Orano Enrichment USA, LLC, created to build, commission and operate the Chemistry and Enrichment Facilities in the US.



00 • **IKE Program**

Eagle Rock Enrichment Facility



IKE Enrichment Facility

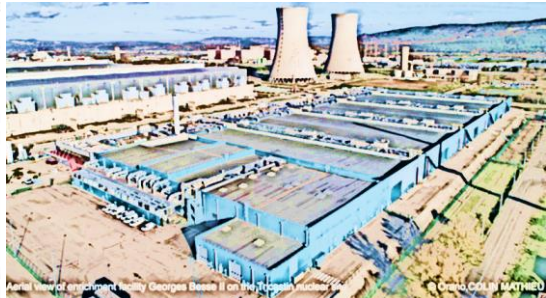


- 2004** Facility planned for Idaho Falls, ID
- 2008** License Application accepted
- 2011** Materials License SNM-2015 Issued
- 2014** Project terminated due to low demand due to cancelled reactor projects

- 2024** Orano has initiated exclusive discussions to establish a future uranium enrichment facility at a Department of Energy-owned site in Oak Ridge, Tennessee.
- 2025** Pre-application activities started



EREF



GB2



IKE is comparable to EREF, and GB2 is the reference plant in operation in France since 2011

00 • Meeting Objectives

Integrated Safety Analysis

Provide an overview of conduct the integrated safety analysis and understand NRC expectations for appropriate detail for an enrichment facility.

Management Measures

Provide an overview of management measures to ensure compliance with the performance requirements of § 70.61 for an enrichment facility,

Material Control & Accountability

Understand NRC expectations for fundamental material controls plan for an enrichment facility.



Focus on ISA, Management Measures, and MC&A for IKE Enrichment Facility

00 • Project Team

Orano Enrichment USA is a large multi-discipline project team working on design and licensing of IKE Enrichment Facility.

ISA and Management Measures

- Lionel Antognelli, VP Engineering and Projects
- Peter Vescovi, Licensing Manager / QA Manager
- Brian Mekdeci, Lead Safety System Engineer
- Matt Lang, Safety System Engineer
- David Tiktinsky, Consultant

MC&A

- Lionel Antognelli, VP Engineering and Projects
- Peter Vescovi, Licensing Manager / QA Manager
- Adam Shephard, Security and Safeguards Manager
- Dana Kim, Advisory I&C Engineer
- David Anderson, I&C Engineer

Proprietary information withheld pursuant to 10 CFR 2.390

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orano

Giving nuclear energy its full value

