

Orano Enrichment USA

IKE Enrichment Facility

Pre-application Meeting – Safety Program Integrated Safety Analysis

December 11, 2025
NRC Headquarters – Rockville, MD

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INTRODUCTION



IFROFS



**GENERAL
INFORMATION**



CONCLUSION



**PROCESS SPECIFIC
INFORMATION**



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

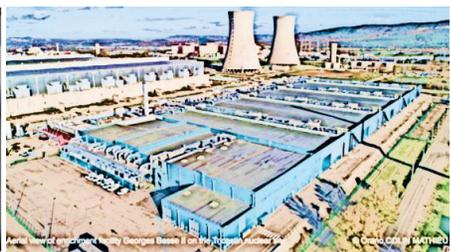


- 2004** Facility planned for Idaho Falls, ID
- 2008** License Application accepted
- 2011** Materials License SNM-2015 Issued
- 2014** Project terminated due to low demand due to cancelled reactor projects

- 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 ISA Summary.

Management Measures

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

Review quality control graded approach for IROFS.



Focus on ISA and Management Measures

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
- Matt Lang, Safety System Engineer
- Tevor Turner, Senior Quality Assurance Engineer

Proprietary information withheld pursuant to 10 CFR 2.390

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Giving nuclear energy its full value

