

Attachment 3 - ELYON-5 Application-Conversion Planning Basis

No Review Requested

Non-CBI | No Review Requested

Submitted for NRC pre-application planning and routing only. No NRC technical review, approval, acceptance, regulatory finding, or staff feedback is requested.

Applicant	EE Capital LLC
Project	ELYON-5 Microreactor
Purpose	Non-CBI application-conversion planning basis
Date	June 2, 2026

Purpose

This document summarizes the non-CBI application-conversion planning basis for ELYON-5. It is provided for NRC pre-application planning and routing only. No NRC review or feedback is requested.

Planning Basis

EE Capital has materially advanced the ELYON-5 preliminary design and preliminary safety-analysis support basis. The working package is organized to support progression from current PSAR/PDSA materials toward an application-quality record through controlled calculation packages, QA/SQA completion, independent technical review, Design Authority release, and authority-specific stage-gate disposition.

The application-conversion effort is intended to preserve technical traceability, identify closure responsibilities, and sequence future NRC interactions so that detailed material is submitted only when it is suitable for the requested level of engagement.

Application-Conversion Workstreams

Workstream	Current planning status	Future NRC engagement posture
Regulatory path and REP	Initial NRC pre-application routing package prepared.	Request routing and project-number guidance; no review requested now.
Safety-analysis package	Integrated PSAR/PDSA support basis organized for future FSAR/DSA-quality progression.	Discuss sequence and format later; no technical review requested now.
Calculation-package controls	Controlled-release terminology and source-authority/evidence traceability being applied.	Provide details later after information-handling path is confirmed.
QA/SQA and Design Authority	QA/SQA, independent review, and Design Authority release planning identified as required closure steps.	Potential future white paper or meeting topic.
Siting and civil integration	Below-grade silo and civil/NPH planning treated as a future site-specific closure area.	Future topic after site and licensing path mature.
Fuel-cycle interface	Factory-fueled and sealed-cartridge concept being handled as an interface planning item.	Transmit only after appropriate information-handling guidance.

No Review Requested Limitation

This attachment does not ask NRC to evaluate the adequacy of any analysis, design feature, safety classification, licensing approach, docketing schedule, or technical method. It is a planning document intended to help establish the pre-application pathway.