

Revised Licensing Plan of Action to Support the Blended Low-Enriched Uranium (BLEU) Project

Presented by

Nuclear Fuel Services, Inc.

to the

United States Nuclear Regulatory Commission
Office of Nuclear Material Safety & Safeguards
Fuel Cycle Licensing Branch

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Outline

- ❑ License Amendments
- ❑ Amendment Application Contents
- ❑ Streamlining the Licensing Process
- ❑ Project Schedule and Milestones
- ❑ Discussion

License Amendments

Status of Licensing Actions

- ❑ Storing LE Uranyl Nitrate Solutions **PENDING**
- ❑ Converting/Downblending HEU Metal and HEU Aluminum Alloys **SUBMITTED/UNDER REVIEW**
- ❑ Converting LE Uranyl Nitrate Solutions to UO₂ Powder **NOT YET SUBMITTED**

License Amendments

Amendment for Converting LE Uranyl Nitrate Solutions to UO₂ Powder

- Submittal in October 2003
- Facility designed to comply with baseline design criteria
- This process is already licensed for Framatome ANP Richland
- NRC approval requested by June 2004

Amendment Application Contents

Consistent with Information Specified in 10 CFR 70.22 and 10 CFR 70.65

- ISA Summary
- Update to Environmental Report
- Physical Security Plan
- FNMC Plan
- Emergency Plan
- Financial Assurance Instruments
- Narrative Changes to SNM-124

Streamlining the Licensing Process

Key Ideas

- ❑ Kick-off meeting with licensing team and full ISA team (overview of submittal contents, project and processes, question & answer session)
- ❑ Focus group meetings
 - By discipline
 - Initial/Monthly
 - Start as soon as possible after kick-off
 - Will involve detailing the process, analysis methods, and a detailed walk-through of the submittals
- ❑ Vertical slice in 3rd month

Project Schedule and Milestones

Key Dates

License Amendment	Submittal Date	Requested Approval Date
Uranyl Nitrate Storage Building	PENDING	
HEU Downblending	Oct. 2002	Oct. 2003
Oxide Conversion & Effluent Processing Buildings	Oct. 2003	June 2004

