SNM-1227 License Amendment Pre-application Meeting LEU+ Fuel Fabrication at the Richland Site

July 2023

Framatome
Introductions

- Framatome Participants:
  - Remote Participation

- NRC Participants:
  - Remote Participation
Meeting Agenda AFM followed by Advanced Reactor Fuel

I. Introductions

II. Two Licensing Actions
   a. Facility wide enrichment change to support Advanced Fuel Management (AFM)
   b. Single Building enrichment change to support Advanced Reactor Fuel (One of Framatome’s Industry Partners will join during this portion of the meeting)

III. Business needs AFM
      Meeting will be closed to the Public for the remainder of the discussion

IV. Framatome Presentation on AFM
   a. Licensing Actions and Schedule
   b. Proposed Elements of Change
   c. Environmental Impact Considerations
   d. Integrated Safety Analysis Summary
   e. Criticality Safety Analyses
      i. Process Area Specific Changes
   f. AFM Project Schedule/Milestones

V. NRC Questions and Comments
   ▪ Break for 20-minutes then resume with new meeting participants for Advanced Reactor Fuel
Meeting Agenda Advanced Reactor Fuel Portion

VI. Introductions

VII. Business Needs For Advanced Reactor Fuel

VIII. Advanced Reactor Fuel Manufacturing Licensing Action

a. Licensing Actions and Schedule
b. Proposed Elements of Change
c. Environmental Impact Considerations
d. Integrated Safety Analysis Summary and Criticality Safety Analyses
   i. Chemical/Industrial Safety considerations for each process areas
   ii. NCS Considerations for each process areas
e. AR Project Schedule/Milestones

IX. NRC Questions and Comments

X. Meeting Wrap up
Two Distinct Business Needs for Higher Assay Fuel

Existing NPP Fleet (LEU+)

- EATF Award DE-NE0009034 currently ends in Nov. of 2025. Framatome is making every effort to maximize the mutual benefit of this funding to prepare for fuel production with LEU+ and accident tolerant fuel technologies.
- The value to Framatome customers is very high as it supports longer fuel cycles and reduces the volume of spent nuclear fuel.

Advanced Reactor Fuel Production

- Framatome is teaming with other private industry companies to develop ability to provide fuel to Generation IV reactors.