



August 4, 2009

NOTE TO: File

FROM: Ted Smith **/RA/**

SUBJECT: FSME PRESENTATION SLIDES FOR
JUNE 30, 2009 MEETING

The slides below are being submitted at this time for public release with the above date as the release date.



Fermi-1 Public Meeting June 30, 2009

**Fermi-1 Proposed License
Termination Plan and Application
for License Amendment**

Purpose: Solicit Public Comments on Fermi-1 License Termination Plan

Agenda

- Describe NRC Decommissioning Process
- Describe License Termination Plan Contents
- Describe Decommissioning Inspection And Oversight Activities
- Public Comments

Power Reactor Decommissioning

- Operations cease (Nov 1972)
- Fuel removal (1973)
- Report of planned decommissioning activities (1973)
 - Public meeting (April 22, 1998)
 - Decommissioning Options (SAFSTOR)
 - Site-Specific Cost Estimate (July 1990 et al)
 - NRC approval not required
- Decommissioning activities (ongoing)
- License termination plan (March 25, 2009)
 - Public meeting (June 30, 2009)
 - NRC approval required
- Implementation
- License termination (March 25, 2011 or later)

Decommissioning Activities

- Decommissioning work is limited by NRC regulations*, to **not** cause:
 - Restricted release of site
 - New significant environmental impacts
 - Expectation of insufficient decommissioning funds

*10 CFR 50.82(6)

License Termination Plan Contents

- Specified in 10 CFR 50.82(a)(9)(ii)
 - Site characterization (Chapter 2)
 - List of remaining activities (Chapter 3)
 - Remediation plans (Chapter 4)
 - Detailed plans for final surveys (Chapters 5 and 6)
 - Updated site-specific cost estimate (Chapter 7)
 - Updated environmental report (Chapter 8)

License Termination Rule

- 10 CFR 20.1402
 - Unrestricted release
 - 25 millirem per year total dose*
(above background)
 - As Low As Reasonably Achievable
 - All pathways

*"...to the average member of the critical group."

License Amendment Review Process

- Acceptance review (June 2009)
- Notice in Federal Register (June 30, 2009)
- Technical review (ongoing)
- If found acceptable, an amendment will be issued incorporating the LTP (about one year)

NRC Staff Technical Review

- Specified by Regulation, [10 CFR 50.82\(a\)\(10\)](#)
 - ...not inimical to the public health and safety of the public, and will not have a significant effect on the quality of the environment...
- Directed by Guidance:
 - Standard Review Plan for LTPs, [NUREG-1700](#)
 - Consolidated Decommissioning Guidance, [NUREG-1757](#)
 - Environmental Review Guidance, [NUREG-1748](#)
 - Generic EIS for Decommissioning, [NUREG-0586](#)
- Technical disciplines involved
 - Health physics, performance assessment, financial, groundwater hydrology, and others as needed.

Questions?

NUREG-1628, June 2000

“Staff Responses to Frequently Asked Questions
Concerning Decommissioning of Nuclear Power
Plants”

www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1628/

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