



Indian Point License Renewal Inspection Exit Meeting

June 18, 2008

1



Welcome & Opening Remarks

Sam Collins

Regional Administrator, NRC Region I

Richard Conte

Chief Engineering Branch 1, DRS

2



Introductions

- NRC meeting representatives:
 - S. Collins, Regional Administrator
 - D. Roberts, Deputy Director, DRS, Region 1
 - R. Conte, Chief, Engineering Branch 1, DRS, Region I
 - R. Franovich, Chief, License Renewal Branch B, NRR
 - G. Meyer, Sr. Reactor Inspector/Team Leader, DRS, Region I

- Entergy meeting representatives:
 - F. Dacimo, Vice President, License Renewal, IPEC
 - G. Young, Manager, License Renewal, Entergy
 - J. Curry, Sr. Project Manager, License Renewal, IPEC
 - M. Stroud, Manager, Business Development, Entergy
 - A. Cox, Manager, Project Management, Entergy



Agenda

- License Renewal Process & Status

- Exit Meeting with Entergy

- Break

- Public Questions to NRC

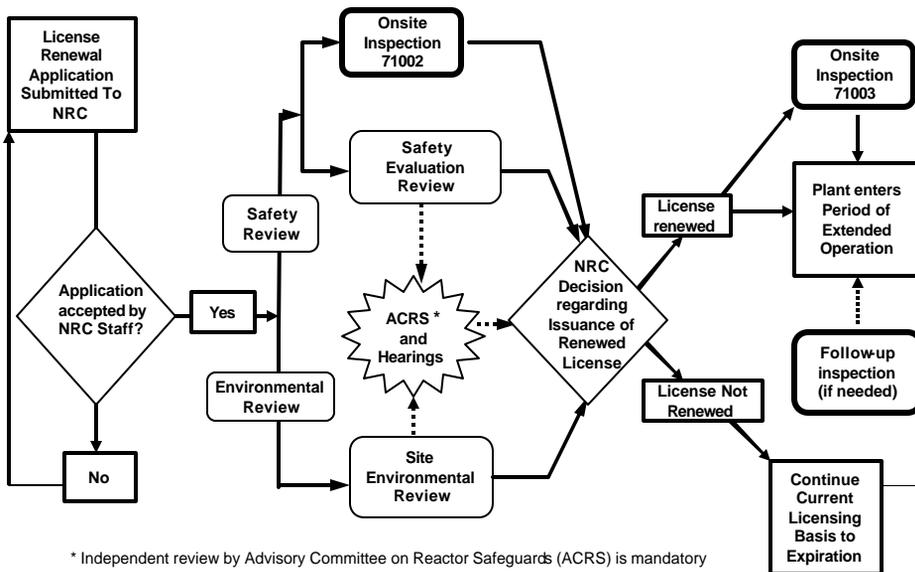


LICENSE RENEWAL PROCESS & STATUS

Richard Conte, Team Manager



License Renewal Process





Key Dates

- April 23 / May 3 / June 21, 2007
 - Entergy submits application for IP Units 2 & 3
- July 25, 2007
 - Application accepted by NRC
- January 28 – February 14, 2008
 - Planned onsite inspection
- April 30, 2008
 - Entergy reports Unit 2 Station Blackout (SBO)
Diesel installed and operational

7



Key Dates

- Tentative Dates for NRC Decision:
 - July 2009 (No Hearing)
 - April 2010 (Hearing)
- License Expiration Dates:
 - IP2: Sep. 28, 2013
 - IP3: Dec. 12, 2015
 - Note: IP1 is in safe storage status not subject to license renewal

8



Environmental Review

- Environmental review in progress
 - Planned site reviews completed by NRC staff
- Review Entergy responses
- September 2008
 - Tentative schedule for draft Supplemental Environmental Impact Statement (SEIS)
- October 2008
 - Tentative public meeting on draft SEIS



Safety Review

- Safety review is in progress
 - Planned site reviews completed by NRC Staff
- Inspection completed
 - Major effort completed February 2008
 - Follow-up weeks March 30 and June 2, 2008
- June 18, 2008
 - Public Inspection Exit
- September 2008
 - Initial Safety Evaluation Report (SER)



INSPECTION EXIT MEETING

Glenn Meyer, Team Leader

11



License Renewal Inspection

Objective - to verify the in-plant aspects of scoping, material condition, aging management program development, and documentation, supporting the license renewal application.



Scope of Inspection

- NRC team - approximately 1,500 hours to date (8 inspectors)
- Reviewed:
 - Effects of non-safety structures & components on safety related equipment
 - Aging Management Programs (AMP)
 - Implementation checks for existing programs
 - Feasibility of implementation for modified or new programs
 - Documentation is auditable, retrievable and supports the application
- Methods:
 - Walkdowns in plant areas
 - Reviews of procedures & records
 - Interviews

13



Overall Results of the Inspection

- Observations will be documented in the following areas:
 - Scoping of non-safety systems
 - Existing and Modified/New Aging Management Programs
- These observations will be used to;
 - Provide for Headquarters consideration on its safety evaluation
 - Be incorporated into the licensing corrective action process

14



Observations Resulting in Application Revision

- Structural Monitoring Program
 - IP3 service water pump fiberglass baffling not included
- Selective Leaching Program for certain alloys and various water environments
 - Sampling technique unclear
- Diesel Fuel Monitoring Program
 - Inappropriate testing for wall thickness of IP3 fuel storage tanks
 - Deficient procedures for IP2 sample location and process
 - Procedures omitted fuel tank for IP2 security diesel generator

15



Observations Resulting in Application Revision

- Water Chemistry – Closed Cooling Program
 - Testing for pH and glycol not specified
- Bolted Cable Connections Monitoring Program
 - Inspection methods inconsistent with NRC draft guidance
- Metal Enclosed Bus (MEB) Monitoring Program
 - Unclear acceptance criteria for internal inspections
- Lubricating Oil Program
 - Reactor Coolant Pump (RCP) motor coolers not included

16



Other Observations For Applicant Review

- Material conditions not in corrective action program
 - Boric acid leaks
 - Concrete
 - Fire protection equipment
- Containment visual indications
 - Additional measurements are being considered to supplement visual observations of exposed rebar

17



Other Observations For Applicant Review

- Operating experience review on MEB
 - Basis documentation did not include inoperable bus example in 2004
- IP2 Instrument air heat exchangers
 - Not included in heat exchanger monitoring program
- Cable separation material
 - Transite material used in some locations not identified in aging management review

18



Follow-up Inspection Observations

- Containment Internal Inspection
 - Inspectors confirmed acceptable material condition
- Manhole Inspection
 - Water found - pumped out - cables used with water submergence being reviewed by Headquarters
- Station Blackout (SBO) Diesel Inspection
 - SBO was included in the current licensing basis to supplement the LRA
 - For purposes of license renewal, scoping and screening was consistent with LRA
 - Current operation issues addressed by ROP

19



Summary of observation results

- The effects of non-safety structures & components on safety related equipment are adequately addressed with few exceptions noted.
- AMPs can be implemented with few exceptions noted.
- Documentation is auditable, retrievable and supports the application – no exceptions noted.



Entergy Response

21



NRC Summary

22



Additional Information

- NRC Homepage
 - www.nrc.gov
- Indian Point 2 Current Performance Summary
 - www.nrc.gov/NRR/OVERSIGHT/ASSESS/IP2/ip2_chart.html
- Indian Point 3 Current Performance Summary
 - www.nrc.gov/NRR/OVERSIGHT/ASSESS/IP2/ip3_chart.html
- Indian Point "Specific Plant of Interest" Page
 - www.nrc.gov/reactors/plant-specific-items/indian-point-issues.html
- Indian Point License Renewal Review Status
 - www.nrc.gov/reactors/operating/licensing/renewal/applications/indian-point.html

23



BREAK

24



Meeting Facilitator

Richard Barkley, PE
Nuclear & Environmental Engineer -
Technical Communications Assistant
for Region I



Meeting Ground Rules

- Please be respectful of the speaker - only one speaker at a time.
- To be fair to the other questioners, please limit your remarks to about **5** minutes (There are many people who want to speak).
- The moderator will alternate between elected officials and the public at the start of the meeting.



Meeting Ground Rules (cont.)

- Speakers will be called to the microphone up front - NRC can not field questions from the audience due to its size.
- Order called will vary from the sign-up order to ensure all groups are heard.
- See NRC staff if you have procedural questions / concerns or still want to sign up.



Meeting Ground Rules (cont.)

- Please silence cell phones and pagers – Thank you!
- If you posed a question that NRC has committed to reply to later, please make sure of exchanging contact information.
- NRC staff members will be available after the meeting.



Public Questions for NRC

- Please use Q&A cards.