



Pilgrim Annual Assessment Meeting and IP 95003 Public Exit Meeting

March 21, 2017



Agenda

- Introduction
- Discussion of NRC oversight results
- Discussion of IP 95003 inspection results
- Entergy response and remarks
- NRC closing remarks
- Break
- Public Q&A



Annual Performance Assessment

- Pilgrim operated safely in 2016
- Pilgrim remained in Column 4 of the Action Matrix
- NRC oversight confirmed adequate safety margins were maintained
- Current regulatory actions associated with Column 4 are adequate



Adequate Safety Margins

- No escalated enforcement violations or greater-than-green findings in 2016
- Inspection results indicate adequate performance in operating and maintaining the facility within its design.
- Licensee management controls have been adequate to address previous safety-significant findings and performance indicators to prevent recurrence.



2016 Inspection and Performance Indicators

- 12,000+ inspection hours
- Inspection results
 - 23 findings/1 SLIII violation
- 95003 Inspection
 - Phase 'A' – Risk-significant issues were addressed adequately
 - Phase 'B' – Licensee's Corrective Action Program has been adequate
 - Phase 'C' – in progress
- Performance Indicators – all green



Enhanced Oversight Activities

- Additional Resident Inspector assigned
 - ✓ Increased problem identification and resolution samples on previously identified performance issues
 - ✓ More in-depth inspections
- Increased NRC management oversight
 - ✓ Quarterly assessments
 - ✓ More frequent site visits

Pilgrim 95003 Phase 'C' Exit Presentation

Don Jackson
Team Leader
USNRC Region I
March 21, 2017



Inspection Purpose

- **Independent review and assessment of Entergy's actions to improve performance at Pilgrim**
- **Identify any additional regulatory actions to ensure continued safety**



Inspection Scope

- **Entergy's recovery plan**
 - **Fundamental problem areas**
 - **Corrective Action Program**
 - **Nuclear Safety Culture**
 - **Decision-making/risk recognition**
 - **Six problem areas**
- **Other areas of interest**
 - **Operability determinations**
 - **Safety relief valve follow-up**



Team Composition and Activities

- **Team composition**
- **Organization**
 - **Leadership Group**
 - **Problem Identification and Resolution Group**
 - **Safety Culture Assessment Group**
 - **Leadership, Operations, and Oversight Group**
 - **Engineering, Maintenance, and Programs Group**
- **Inspection methods included:**
 - **Direct observation of activities and equipment**
 - **Interviews**
 - **Focus group discussions**
 - **Records reviews**



Inspection Process Highlights

- **This exit meeting signifies the end of the inspection.**
- **The inspection report will be issued as soon as possible, with a goal of 45 days from this exit meeting.**
- **Results discussed are considered preliminary until NRC senior management approves the inspection report.**
- **It is possible that performance deficiencies, as discussed, may change.**



Inspection Results

- **The team found:**
 - **Pilgrim is safe to operate**
 - **11 NRC-identified and 2 Entergy-identified performance deficiencies**
 - **Problems identified were consistent with a plant in Column 4**
 - **Some improvement was noted**
- **Entergy will need to expand the Recovery Plan to address inspection results.**
- **Continued enhanced NRC oversight is warranted.**



Operations/ Engineering Performance Deficiencies

- **'A' emergency diesel generator (EDG) design issue**
- **Failure to report 'A' EDG issue**
- **Failure to conduct preventative maintenance on 18 components**
- **Failure to follow operability determination process**



Corrective Action Performance Deficiencies

- **Corrective Action Program (CAP) root cause**
- **Safety Culture – targeted performance improvement plans**
- **Safety relief valve (SRV) root cause**
- **Drywell liner clearance actions**
- **‘B’ residual heat removal (RHR) heat exchanger**
- **Procedure quality actions**
- **September 2016 feedwater regulating valve failure**



Safety Culture

- **NRC agrees with Entergy's Safety Culture root cause**
 - **“Pilgrim leaders have not held themselves and their subordinates accountable to high standards of performance.”**
- **Some improvements were noted, but field observations and interviews determined that further improvements are needed.**
- **Entergy's actions to improve performance by mentoring station leadership requires additional focus**



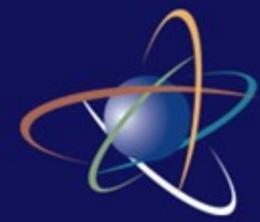
Licensed Operator Standards

- **Demonstrated ability to safely operate and to respond to off-normal and emergency situations**
- **Further improvements needed in:**
 - **Operability determinations**
 - **Compliance with Technical Specifications and reportability requirements**
 - **Benchmarking**
 - **Holding all plant groups accountable**



Summary

- **Some improvements were identified.**
- **Pilgrim remains in Column 4 of the ROP Action Matrix.**
- **Additional focus by Entergy to drive further improvement is necessary.**
- **Future improvement plans will be documented in a Confirmatory Action Letter.**
- **Continued enhanced NRC oversight**



Licensee Response and Remarks

John Dent
Site Vice President
Entergy Nuclear Operations, Inc.



NRC Closing Remarks



Next Steps

- **NRC to issue Phase ‘C’ inspection report (Spring 2017)**
- **Entergy to revise Recovery Plan**
- **NRC review of revised plan and actions**
- **NRC to issue Confirmatory Action Letter (Summer 2017)**
- **Confirmatory Action Letter follow-up inspections begin (Fall 2017)**