

FEB 3 1984

MEMORANDUM FOR: A. Schwencer, Chief
Licensing Branch No. 2
Division of Licensing

FROM: R. E. Martin, Project Manager
Licensing Branch No. 2, DL

SUBJECT: FORTHCOMING NRC CASELOAD FORECAST PANEL VISIT
TO LIMERICK SITE

DATE & TIME: February 22, 1984 and February 24, 1984
8:30 AM - 5:00 PM 8:30 AM - 12:00 Noon

LOCATION: Limerick Energy Information Center
298 Longview Road
Linfield, Pennsylvania

PURPOSE: Discuss status of construction and completion schedules
for Limerick Units 1 and 2 (Meeting Agenda attached)

PARTICIPANTS*: NRC PECo

W. Lovelace T. Robb
J. Wiggins D. Honan, et al.
M. Conner
G. Harrison

Original signed by

R. E. Martin, Project Manager
Licensing Branch No. 2
Division of Licensing

Attachment:
Meeting Agenda

cc w/attachment:
See next page

*The meeting between PECO and the NRC staff on February 22 and 24 is open for interested members of the public, petitioners, intervenors, or other parties to attend as observers pursuant to "Open Meeting and Statement of NRC Staff Policy", 43 Federal Register 28058, 6/28/78. February 23 is reserved for a visit to the plant.

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LIMERICK

CASELOAD FORECAST PANEL SITE VISIT

MEETING AGENDA

1. Overview of project construction and preoperational testing schedule, including progress and major milestones completed, current problems and any anticipated problem areas that may impact the current projected fuel load date.
2. Detailed review and current status of design and engineering effort (by major discipline), including any potential problems that may arise from necessary rework.
3. Detailed review and current status of procurement activities, including valves, pipe, instruments, cable, major components, spare parts, etc.
4. Actual and proposed craft work force (by major craft), craft availability, productivity, potential labor negotiations and problems.
5. Detailed review and current status of all large and small bore pipe hangers, restraints, snubbers, etc., including design, rework, procurement, fabrication, delivery and installation.
6. Detailed review of project schedule identifying critical path items, near critical items, amount of float for various activities, the current critical path to fuel loading, methods of implementation of corrective action for any activities with negative float, and provisions for contingencies. The estimated project percent complete as of January 31, 1984.
7. Detailed review and current status of bulk quantities, including current estimated quantities, quantities installed to date, quantities scheduled to date, current percent complete for each, actual versus forecast installation rates, in cubic yards/mo., linear feet/mo., or number/mo., and basis for figures.
 - (a) Concrete (CY)
 - (b) Process Pipe (LF)
 - Large Bore Pipe (2 1/2" and larger)
 - Small Bore Pipe (2" and smaller)
 - (c) Yard Pipe (LF)
 - (d) Large Bore Pipe Hangers, Restraints, Snubbers (ea)
 - (e) Small Bore Pipe Hangers, Restraints (ea)
 - (f) Cable Tray (LF)

- (g) Total Conduit (LF)
- (h) Total Exposed Metal Conduit (LF)
- (i) Cable (LF)
 - Power
 - Control
 - Security
 - Instrumentation
 - Plant Lighting
- (j) Terminations (ea)
 - Power
 - Control
 - Security
 - Instrumentation
 - Plant Lighting
- (k) Electrical Circuits (ea)
 - Power
 - Control
 - Security
- (l) Instrumentation (ea)

8. Detailed review and current status of preparation of preop and acceptance test procedures, integration of preop and acceptance test activities with construction schedule, system turnover schedule identifying each system and status, preop and acceptance tests schedule identifying each test and status, current and proposed preop and acceptance tests program manpower.

- (a) Total number of procedures required for fuel load.
- (b) Number of draft procedures not started.
- (c) Number of draft procedures being written.
- (d) Number of procedures approved.
- (e) Number of procedures in review.
- (f) Total number of preop and acceptance tests required for fuel load identifying each.
- (g) Number of preop and acceptance tests completed identifying each.
- (h) Number of preop and acceptance tests currently in progress identifying each and status.
- (i) Number of systems and/or subsystems turned over to start-up identifying each.
- (j) Number of systems turned over to operations group identifying each and outstanding open items for each system.
- (k) Number of retests expected, if any, identifying each and cause for retest.

9. Detailed discussion of potential scheduler influence due to changes attributed to NUREG-0737 and other recent licensing requirements.
10. Discussion of scheduler impact, if any, regarding potential deficiencies reported in accordance with 10 CFR 50.55(e).
11. Overview of current construction and startup management organization showing interfaces between the two.
12. Detailed review and current status of design, engineering and construction effort including quantities, work-off rates and schedule for completion for:
 - (a) ATWS-3A Design Changes
 - (b) Appendix R Design Implementation
 - (c) NSSS Loads Adequacy Evaluation
 - (d) High Energy Line Break (HELB)
 - (e) Moderate Energy Line Breaks (MELB)
 - (f) Downcorner Capping/Vacuum Breaker Valves
 - (g) Reactor Coolant Pressure Boundary Leak Detection
 - (h) Control Room Panel Modifications
 - (i) Pipe Stress (as-built) analysis
 - (j) N-Stamp Certification Program
 - (k) Updating Drawings and Specifications to as-Built Condition
 - (l) Environmental Qualification of Safety-Related Equipment
 - (m) Seismic Qualification of Safety-Related Equipment
 - (n) Hanger Reconciliation Program
13. Detailed review of room/area turnover schedule and status.
14. Projected requests for relief of incomplete items, systems, or test completions at the time of Unit 1 licensing, identifying each.
15. Review of open punch list items by category (hardware/paperwork) identifying each and work-off rate vs add on rate.
16. Review and status of Unit 2 Control Room panel modification work required to be completed prior to Unit 1 fuel load.
17. Status and schedule for Seismic II/I review. (IEB 79-14)

18. Detailed review and current status of power ascension testing procedures and operational procedures.
 - A. Power ascension test procedures including safety-related and nonsafety-related.
 1. Numbers required
 2. Numbers not started
 3. Numbers in preparation and approval process
 4. Numbers approved
 - B. Operating procedures required for fuel loading; including station administrative, station operational, surveillance (e.g., technical specification), maintenance and emergency procedures.
 1. Numbers required
 2. Numbers not started
 3. Numbers in preparation and approval process
 4. Numbers approved
19. Detailed review and current status of permanent station and support staffing, training and licensing.
 - a. Staffing for Unit 1 operation, including presently employed, projected and authorized for each group reporting to the Vice President Nuclear (Reference FSAR Figure 13.1-2).
 - b. Staffing of Limerick (Unit 1) station organization including presently employed or contracted, projected, and authorized for each organizational subgroup (Reference FSAR Figure 13.1-4).
 - c. Training program; outstanding training courses required prior to fuel load; identifying job titles, numbers of personnel, and projected completion.
 - d. Operator and senior operator licenses presently onsite, contracted, projected, and required for fuel loading.
20. Site tour and observation of construction activities.

Limerick

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