



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
REGION III
2443 WARRENVILLE RD. SUITE 210
LISLE, IL 60532-4352

June 5, 2015

Mr. Bryan C. Hanson
Senior VP, Exelon Generation Company, LLC
President and CNO, Exelon Nuclear
4300 Winfield Road
Warrenville, IL 60555

SUBJECT: INFORMATION REQUEST TO SUPPORT UPCOMING PROBLEM
IDENTIFICATION AND RESOLUTION INSPECTION AT BYRON STATION,
UNITS 1 AND 2

Dear Mr. Hanson:

This letter is to request information to support our biennial Problem Identification and Resolution (PI&R) inspection beginning July 20, 2015, at the Byron Station, Units 1 and 2. This inspection will be performed in accordance with the U.S. Nuclear Regulatory Commission (NRC) Baseline Inspection Procedure 71152.

Experience has shown that these inspections are extremely resource intensive both for the NRC inspectors and the utility staff. In order to minimize the impact that the inspection has on the site and to ensure a productive inspection, we have enclosed a list of documents required for the inspection.

The documents requested are copies of condition reports and lists of information necessary to ensure the inspection team is adequately prepared for the inspection. This information request may be provided in either CD-ROM/DVD/Thumb Drive or hard copy format and should be ready for NRC review by June 29, 2015. Mr. Jamie Benjamin, the Lead Inspector, will contact your staff to determine the best method of providing the requested information.

If there are any questions about the material requested, or the inspection in general, please do not hesitate to call or e-mail Mr. Jamie Benjamin at 630-842-7109 or Jamie.Benjamin@nrc.gov

This letter does not contain new or amended information collection requirements subject to the Paperwork Reduction Act of 1995 (44 U.S.C. 3501 et seq.). Existing information collection requirements were approved by the Office of Management and Budget, Control Number 3150-0011.

B. Hanson

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In accordance with Title 10 of the *Code of Federal Regulations* (10 CFR) 2.390, "Public Inspections, Exemptions, Requests for Withholding," of the NRC's "Rules of Practice," a copy of this letter, its enclosure, and your response (if any) will be available electronically for public inspection in the NRC's Public Document Room or from the Publicly Available Records (PARS) component of the NRC's Agencywide Documents Access and Management System (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Sincerely,

/RA/

John Ellegood, Acting Chief
Branch 3
Division of Reactor Projects

Docket Nos. 50-454; 50-455
License Nos. NPF-37; NPF-66

Enclosure:
RFI to Support PI&R Inspection

cc w/encl: Distribution via LISTSERV®

Requested Information to Support Problem Identification and Resolution (PI&R) Inspection

Please provide the information on five compact discs or thumb drives (one for the team lead, one for the Resident Inspector Office, one for the IEMA Resident Inspector Office and one for the two other scheduled inspectors), if possible. **Unless otherwise specified, the time frame for requested information is for the period of July 2013, through the time the information request is answered.** Please label any electronic files with content information.

In addition, inspectors will require computer access to the corrective action program (CAP) database while on site.

PROGRAM DOCUMENTS

1. Copies of current administrative procedures associated with the corrective action program (CAP). This should include procedures related to: 1) corrective action process; 2) cause evaluations; 3) operating experience program; 4) self-assessment program; 5) maintenance rule program; 6) operability determination process; 7) degraded/non-conforming condition process (e.g., RIS 2005-20); 8) system health process or equivalent equipment reliability improvement programs; and 9) operational decision making (ODMI) process.
2. A current copy of the Employee Concerns Program/Ombudsman administrative procedure.
3. Description of any substantive changes made to the CAP since the last PI&R Inspection (September 2013). Please include the effective date with each listed change.

ASSESSMENTS

4. A copy of Quality Assurance (QA) audits of the CAP and audits of the QA program.
5. A list of all completed assessments and QA audits for those programs related to the CAP (e.g., Operating Experience, Maintenance Rule, etc.)
6. Copies of completed assessments of the CAP, the QA program and the self-assessment program. Include the plan/schedule for future CAP self-assessments.
7. A chronological list of completed department and site self-assessments (include date completed).
8. A list of condition reports (CRs) initiated for findings or concerns identified in self-assessments and audits. Include a short description/title of the finding, its status, and include a cross-reference to the audit or self-assessment number.

Enclosure

CORRECTIVE ACTION DOCUMENTS

9. Copies of completed root cause evaluations.
10. A list of completed apparent cause evaluations with a brief description of the issue. Provide status of any actions developed as part of the evaluations and their present status. Include a reference, if not part of the apparent cause package, to the documents and/or CRs directing and tracking the actions.
11. A list of all open CRs sorted by significance level. Include CR number, date initiated, a brief description/title, affected system(s), significance level, and anticipated completion date, if available. This list should be grouped by responsible department and arranged in order of initiation date (oldest listed first).
12. A list of closed CRs sorted by significance level. Include CR number, date initiated, a brief description/title, affected systems(s), significance level, date closed. This list should be grouped by responsible department.
13. A list of open corrective actions, sorted by priority level, with a brief description/title, initiating date and due date. The list should be grouped by the responsible department.
14. A list of CRs captured in databases operated and/or maintained by the site's corporate office related to Byron Station sorted by significance level. Include the date initiated, a brief description/title, site(s) affected, system(s) affected, significance/priority level, assigned organization, and status (if closed include date closed; if open, include scheduled date to be closed).
15. A list of completed effectiveness reviews. Include a cross-reference to the CRs for which the effectiveness review was conducted and, if applicable, CR numbers documenting any additional follow-up actions.
16. A list of CRs initiated for inadequate or ineffective corrective actions. Include the date initiated, a brief description/title, significance level, system affected, assigned organization, and status (if closed include date closed; if open, include scheduled date to be closed). Include a cross-reference to the CR or evaluation that generated the original corrective action.
17. A copy of any performance reports/indicators used to track CAP effectiveness for the past 18 months. End-of-quarter data will suffice; monthly reports are not required.

TRENDS

18. A list of CRs initiated for trends of conditions adverse to quality. Include the date initiated, a brief description/title, significance level, and status (if closed include date closed; if open, include scheduled date to be closed).
19. Copies of any completed trend reports that are associated with overall CAP performance and/or effectiveness.
20. Copies of all apparent, common and/or root cause evaluations regarding adverse equipment reliability and adverse human performance trends.

OPERATING EXPERIENCE

21. A copy of the most recent operating experience program effectiveness review and or assessment.
22. A list of CRs initiated to evaluate industry and NRC operating experience, and NRC generic communications (e.g., bulletins, information notices, generic letters, etc.). Include date the CR was initiated, a brief description/title, and the status (if closed include date closed; if open, include scheduled date to be closed).

SYSTEMS AND COMPONENTS

23. A list of the top ten risk significant systems, risk significant components and risk significant operator actions.
24. A list of test failures (in-service tests and technical specification surveillance tests) with a brief description of component/system that failed.
25. A list of all structures, systems and components (SSCs) that are classified as (a)(1) in accordance with the Maintenance Rule. Include: 1) date SSC entered (a)(1); 2) brief description/reason for being in (a)(1); and 3) status of action plan.
26. Copy of current system health report for SSCs classified as (a)(1).
27. A list of maintenance preventable functional failures (MPFFs). Include the CR number; a brief description of the system/component that failed; and date the MPFF occurred.
28. A list of plant trips, unplanned downpowers (greater than 20 percent), unscheduled limiting condition for operation entries and licensee event reports, including dates of these events.
29. A list of control room deficiencies, operator workarounds and burdens, sorted by priority, with a brief description/title and corresponding CR and/or work order number.
30. A list of operability determinations/evaluations. Include a brief description/title, date initiated, date closed or date scheduled to be closed. Also include any open operability evaluations that were initiated prior to July 1, 2012.
31. A list of temporary modifications that were installed since July 1, 2012, with a brief description/title, installation date, and current status. Include any in-place temporary modifications that were installed prior to July 1, 2012.

SAFETY CULTURE

32. Copies of assessments or evaluations (internal or external) regarding station and/or department safety culture/safety conscious work environment.

REGULATORY ISSUES

33. A list of CRs for issues (findings, violations, etc.) documented in NRC inspection reports. Include the CR number, brief description/title, date initiated and the status (if closed include date closed; if open, include scheduled date to be closed).
34. A list of CRs for licensee identified violations that have been documented in NRC inspection reports. Include the CR number, brief description/title, date initiated and the status (if closed include date closed; if open, include scheduled date to be closed).
35. A list of CRs associated with NRC identified issues. Include the CR number, brief description/title, date initiated and the status (if closed include date closed; if open, include scheduled date to be closed).
36. A list of degraded/non-conforming conditions. Include the CR number, brief description/title, date initiated and date closed or projected closeout date. Include open issues that were identified prior to July 1, 2012.

5-YEAR REVIEW

37. A list of CRs regarding the Radiation Process and Area Radiation Monitors that have been generated since July 1, 2009. Include the CR number, brief description/title, level of evaluation (i.e., root cause, apparent cause, common cause, etc.), date initiated, and the status (if closed include date closed; if open, include scheduled date to be closed).
38. A list of CRs regarding the 1B and 2B (Diesel Driven) Auxiliary Feedwater Systems that have been generated since July 1, 2009. Include the CR number, brief description/title, level of evaluation (i.e., root cause, apparent cause, common cause, etc.), date initiated, and the status (if closed include date closed; if open, include scheduled date to be closed).
39. Copies 50.59 screenings or evaluations, operability evaluations and ODMIs, maintenance rule evaluations, and root and apparent cause evaluations completed since July 1, 2009, associated with the 1B and 2B (Diesel Driven) Auxiliary Feedwater Systems.
40. Copies of root and apparent cause evaluations completed since July 1, 2009, for age management degradation issues related to the 1B and 2B (Diesel Driven) Auxiliary Feedwater Systems.

ADMIN

41. A copy of the latest plant organizational chart and phone listing.
42. Scheduled dates, times, and location for all meetings associated with implementing the CAP (e.g., CR screening meetings, corrective action review board meetings). Include work order screening/assessment meetings.

Documents requested to be available on-site during the inspection

- a. Updated Final Safety Analysis Report.
- b. 4 Copies on Compact Disc.
- c. Technical Specifications.
- d. Copies of any self-assessments and associated CRs initiated while preparing for this PI&R inspection.
- e. Quality Assurance Manual.
- f. A list of issues brought to the ECP/ombudsman and the actions taken for resolution.
- g. A list of the codes used in the CAP.

Other

On the first day of the inspection, or early on the second day, please provide the inspection team a briefing/overview of your CAP, including any actions taken associated with recent industry efforts to improve the efficiency of the CAP. Include your expectations for personnel using the program and how the work order system fits into the overall scheme for addressing identified issues. Also include a demonstration on how to access the CAP data on the computer.

B. Hanson

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Sincerely,

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John Ellegood, Acting Chief
Branch 3
Division of Reactor Projects

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Enclosure:
RFI to Support PI&R Inspection

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