



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

June 10, 2020

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 THE  
QUAD CITIES NUCLEAR POWER STATION**

Dear Mr. Hanson:

This letter is to request information to support our scheduled Problem Identification and Resolution (PI&R) inspection beginning October 5, 2020, at your Quad Cities Nuclear Power Station. This inspection will be performed in accordance with the 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. The information requested prior to the inspection may be provided in electronic format and should be ready for NRC review by September 14, 2020. Mr. Charles Phillips, 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 contact Mr. Phillips at 630-829-9572 or [charles.phillips@nrc.gov](mailto:charles.phillips@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.

The NRC may not conduct or sponsor, and a person is not required to respond to, a request for information or an information collection requirement unless the requesting document displays a currently valid Office of Management and Budget control number.

This letter and its enclosure will be made available for public inspection and copying at [\[http://www.nrc.gov/reading-rm/adams.html\]](http://www.nrc.gov/reading-rm/adams.html) and at the NRC Public Document Room in accordance with 10 CFR 2.390, "Public Inspections, Exemptions, Requests for Withholding."

Sincerely,

*/RA/*

Kenneth Riemer, Chief  
Branch 1  
Division of Reactor Projects

Docket Nos. 50-254; 50-265  
License Nos. DPR-29; DPR-30

Enclosure:  
Requested Information to Support  
PI&R Inspection

cc: Distribution via LISTSERV®

Letter to Bryan Hanson from Kenneth Riemer dated June 10, 2020.

SUBJECT: INFORMATION REQUEST TO SUPPORT UPCOMING PROBLEM  
IDENTIFICATION AND RESOLUTION INSPECTION AT THE  
QUAD CITIES NUCLEAR POWER STATION

DISTRIBUTION:

Jessie Quichocho

Omar Lopez-Santiago

RidsNrrDorLpl3

RidsNrrPMQuadCities Resource

RidsNrrDrolrib Resource

John Giessner

Kenneth O'Brien

Jamnes Cameron

Allan Barker

DRPIII

DRSIII

[ROPAssessment.Resource@nrc.gov](mailto:ROPAssessment.Resource@nrc.gov)

ADAMS Accession Number: ML20162A130

<input checked="" type="checkbox"/> SUNSI Review		<input checked="" type="checkbox"/> Non-Sensitive <input type="checkbox"/> Sensitive		<input checked="" type="checkbox"/> Publicly Available <input type="checkbox"/> Non-Publicly Available	
OFFICE	RIII	RIII			
NAME	CPhillips:wc via email	KRiemer via email			
DATE	6/9/2020	6/10/2020			

**OFFICIAL RECORD COPY**

## **Requested Information to Support Problem Identification and Resolution Inspection**

Please provide the information on a compact disc to the Resident Inspectors. Unless otherwise specified, the time frame for requested information is for the period of October 1, 2018, through the time the data request is answered. Please label any electronic files with file content information. In the case of list of condition reports requested, the list should be sortable electronically.

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

### **PROGRAM DOCUMENTS**

1. A current copy of administrative procedure(s) for the corrective action program (CAP), quality assurance audit program, self-assessment program, corrective action effectiveness review program, trending program, industry experience review program, maintenance rule program and top-level documents for the work control programs, work scheduling programs, and aging management program(s). Include a copy of the current top-level QA program/QA topical report document.
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 Problem Identification and Resolution (PI&R) Inspection (September 2018). Please include the effective date with each listed change. Administrative and non-substantive changes do not need to be listed.

### **ASSESSMENTS**

4. A copy of all Quality Assurance (QA) audits of the CAP and self-assessment process and, if done, audits of the QA Program since October 1, 2018.
5. A copy of all self-assessments and associated CAP documents (ARs/IRs) generated in preparation for this PI&R inspection.
6. A list of all other QA audits completed with a brief description of the areas audited. Indicate where findings requiring corrective action were identified since October 1, 2018.
7. The schedule of all future QA audits out no more than two years.
8. A copy of all other CAP self-assessments completed in the last two years and the plan/schedule for future CAP self-assessments out no more than two years.
9. A list of ARs/IRs written 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

10. A list of completed root cause evaluations with a brief description of the issue. Provide status of any actions developed as part of the evaluations. Include a reference, if not part of the root cause package, to the documents and/or ARs/IRs directing and tracking the actions.
11. A list of completed apparent/common cause evaluations with a brief description of the issue. Provide status of any actions developed as part of the evaluations. Include a reference, if not part of the apparent cause package, to the documents and/or ARs/IRs directing and tracking the actions.
12. A list of all open ARs/IRs at the time this information request is answered. Include the AR/IR number, the date initiated, a brief description/title, system affected if any, anticipated completion date, if available, and whether there is an associated operability evaluation. This list should be sortable by responsible department and listed in order of initiation date (oldest listed first).
13. A list of all ARs/IRs closed since October 1, 2018. Include those ARs/IRs that were initiated before October 1, 2018, and closed during this inspection period. Include the AR/IR number, a brief description/title, date closed, assigned organization, system affected and whether there was an associated operability evaluation. This list should be sortable by responsible department and listed in order of initiation date (oldest listed first).
14. A list of open corrective actions (CAs and CAPRs) at the time this information request is answered. Include significance/priority level, a brief description/title, initiating date and due date. The list should also include the number of due date extensions and be sortable by the responsible department.
15. A list of ARs/IRs generated by the corporate office that involve or affect Quad Cities Nuclear Power Plant's operation. Include significance level, the date initiated, a brief description/title, site(s) affected, system affected, assigned organization, and status (if closed include date closed; if open, include scheduled date to be closed).
16. A list of completed effectiveness reviews with a brief description of the results. Include a cross-reference to the ARs/IRs for which the effectiveness review was conducted and, if applicable, the AR/IR numbers documenting any additional follow-up actions.
17. A list of ARs/IRs initiated for inadequate or ineffective corrective actions. Include the date initiated, a brief description/title, significance/priority 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 AR/IR or evaluation that generated the original corrective action.
18. A copy of any performance reports or indicators used to track CAP effectiveness for the past 24 months. The most recent data and end-of-quarter data will suffice; monthly reports are not required.
19. A data table (or similar format) showing the total number of ARs/IRs generated per year since 2015 sortable by department (i.e. operations, engineering, security etc.).

20. A data table showing the number of issues identified externally (NRC, INPO, other etc.) per year as compared to internally since 2015.

### TRENDS

21. A list of ARs/IRs initiated for trends. Include the date initiated, a brief description/title, significance/priority level, and status (if closed include date closed; if open, include scheduled date to be closed).
22. Copies of any completed trend reports for ARs/IRs. Quarterly trend reports are acceptable; copies of all monthly reports are not required.
23. Copies of all apparent, common and/or root cause evaluations regarding adverse human performance trends.

### OPERATING EXPERIENCE

24. A copy of the most recent operating experience program effectiveness review.
25. A list of ARs/IRs 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). We specifically want to see the station's evaluations of IN-19-01, IN-19-02, IN-19-08, IN-18-03, IN-18-04, and IN-18-08.

### SYSTEMS AND COMPONENTS

26. A list of the top ten risk significant systems and top ten risk significant components.
27. 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 regardless of the initiation date.
28. A listing of systems and components considered Maintenance Rule (a)(1) at any time since October 1, 2018. Provide copies of the applicable maintenance rule action plans for those systems and the status of those action plans. Include dates when system/components entered (a)(1) status and, if applicable, returned to (a)(2) status. Please provide cause analysis, corrective actions documents, health reports, and trend analysis for these systems and components as well.
29. A list of temporary modifications that were installed since October 1, 2018, with a brief description/title, installation date, and status. Include any in-place temporary modifications that were installed prior to October 1, 2018.
30. A list of plant trips, unplanned downpowers (greater than 20 percent), unplanned LCO entries (not scheduled), and any associated LERs, including dates of these events since October 1, 2018.

## SCWE

31. Results of completed safety culture/safety conscious work environment surveys or self-assessments. Include reference to associated ARs/IRs and status of the AR/IR actions. Also include schedule/plans for future surveys.
32. SCWE issues identified through alternate avenues, such as the Employee Concerns Programs. If issue(s) are considered sensitive, in lieu of describing issue in the data package, provide a paper copy to the Senior Resident Inspector at the start of the inspection.

## REGULATORY ISSUES

33. A list of ARs/IRs for issues (findings, violations, etc.) documented in NRC inspection reports since October 1, 2018, and prior to October 1, 2018, if there are corrective actions that are still open. Include the AR/IR 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 ARs/IRs for licensee identified violations that have been documented in NRC inspection reports since October 1, 2018, and prior to October 1, 2018, if there are corrective actions that are still open. Include the AR/IR 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 ARs/IRs associated with NRC/IEEMA identified issues since October 1, 2018. 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 AR/IR number, brief description/title, the date initiated and date closed or projected closeout date. Include currently opened issues that were identified prior to October 1, 2018.
37. A list of current control room deficiencies and operator work-arounds, sorted by priority, with a brief description/title and corresponding AR/IR and/or work order number.

## 5-YEAR REVIEW

38. A list of ARs/IRs regarding the Unit 1 Turbine Building Closed Cooling Water System that have been initiated since October 1, 2015. 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. A list of all open work orders and modifications on the Unit 1 Turbine Building Closed Cooling Water System.
40. Any inspections or thermal performance results performed for the Unit 1 Turbine Building Closed Cooling Water System Heat Exchangers since October 1, 2015.

41. Any License renewal aging management inspections performed on the Unit 1 Turbine Building Closed Cooling Water System since October 1, 2015.

#### ADMIN

42. A copy of the latest plant organizational chart and phone listing (need a list of individuals per department for the purpose of planning interviews).
43. Scheduled dates, times, and location for all meetings associated with implementing the CAP (e.g. ARs/IRs 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. Technical Specifications and Bases.
- c. Procedures and procedure index.
- d. A copy of the QA manual.
- e. A list of issues brought to the ECP/ombudsman and the actions taken for resolution.
- f. A list of the codes used in the CAP with their descriptions.
- g. A copy of the latest independent/offsite organization review of safety culture/safety conscious work environment and internal equivalent assessments if not provided as part of the requested data package.
- h. TRM and Bases.