

From: [Makor, Shiattin](#)
To: [Devoe, Remy](#)
Cc: [HARRIS, ALAN J](#); [Champagne, Jacob A](#); [Truss II, William Wallace](#); [Taylor, Nick](#); [Zhang, Deanna](#); [Darbali, Samir](#); [Lawson-Jenkins, Kim](#)
Subject: WF3 CPCS SAT Request for Information
Date: Tuesday, October 5, 2021 4:45:00 PM
Attachments: [WF3 SAT REQUEST FOR INFORMATION.pdf](#)

Mr. Devoe,

This e-mail serves to transmit a request for information to support and prepare for the CPCS Site Acceptance Testing Inspection at Waterford Steam Electric Station, Unit 3

This inspection activity falls under IMC 2515, Appendix C, "Special and Infrequently Performed Inspections" and will use IP 52003, "Digital Instrumentation and Control Modification." IP52003 is not a baseline ROP inspection, rather it is a Special and Infrequently Performed Inspection (IMC 2515 Appendix C). Details of the requested materials are included in the attachment to this e-mail. Please make the requested materials available to me in electronic format using the online document portal of the station's choice, by the dates stated within the attachment. If you are unable to complete the request by this date, please contact me at the phone number listed below to discuss alternative options.

Regards,

Shiattin Makor, Reactor Inspector

US Nuclear Regulatory Commission
Division of Reactor Safety, Engineering Branch 2
Email: shiattin.makor@nrc.gov
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REQUEST FOR INFORMATION
CORE PROTECTION CALCULATOR SYSTEM (CPCS) DIGITAL I&C MODIFICATION
(SITE ACCEPTANCE TESTING)
REGION IV

Please provide the following additional documentation (Items 1 – 21) to the inspector prior to the onsite inspection date, preferably no later than November 8, 2021. The information should be provided in electronic format or a secure document management service. Please provide an index of the requested documents which includes a brief description of the document and the numerical heading associated with the request (i.e., where it can be found in the list of documents requested).

Shiattin Makor, Reactor Inspector, Team Lead
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1. Vendor oversight and onsite audit/test plan(s), schedule for SAT, setup/staging plans, and associated procedures
2. Documented review and acceptance of FAT (including V&V task reports) and Implementation Phase Report
3. Site review of the Requirements Traceability Matrix (RTM)
4. CPCS Cyber Assessment and Security Impact Analysis
5. Provide list and Entergy's review of corrective actions for FAT RITS (Westinghouse) and other licensee initiated corrective actions (Entergy)
6. List configuration (software, changeable/addressable constants, and I/O) changes made to the CPCS as a result of the FAT
7. Provide CPCS as-built and as-delivered hardware and software configuration documentation
8. Provide security controls and procedures for control of access to the CPCS storage, staging, and SAT facility
9. Provide receipt inspection documentation and plans
10. Provide a list and plant procedures affected by the CPCS replacement

11. Provide plant procedures for Operations, Maintenance, including those for performing setpoint changes and validating self-diagnostic features continue to function correctly
12. Quality Assurance holdpoints and surveillance plans for SAT
13. List and provide copies of updated UFSAR, technical specifications, licensing basis documents, calculations, drawings, etc.
14. Provide a copy of the associated engineering change packages, implementing work orders, and jobs
15. Summary of SAT including test results
16. Provide calculations impacted and associated with the modification for battery loading profiles, load profiles/flow analysis, coordination studies, electrical distribution, ratings/setpoints, harmonic analysis, motor-starting analysis, and grounding if the site is changing any electrical parts
17. Provide Equipment Qualification Master List, equipment profile, maintenance, procedural and programmatic review
18. Provide alarm response procedures and plans for simulator
19. Provide maintenance records and procedures, maintenance rule documentation
20. Provide staff/personnel training (operations, maintenance, engineering) plans
21. Current list of licensee contacts for the inspection team with phone numbers

PAPERWORK REDUCTION ACT STATEMENT

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This letter will be made available for public inspection and copying at <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."