



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**  
REGION IV  
1600 E LAMAR BLVD  
ARLINGTON, TX 76011-4511

August 14, 2014

Mr. Mark E. Reddemann  
Chief Executive Officer  
Energy Northwest  
P. O. Box 968 (Mail Drop 1023)  
Richland, WA 99352-0968

**SUBJECT: COLUMBIA GENERATING STATION - NOTIFICATION OF INSPECTION (NRC  
INSPECTION REPORT 05000397/2015001) AND REQUEST FOR  
INFORMATION**

Dear Mr. Reddemann:

From December 1–5, 2014, inspectors from the Nuclear Regulatory Commission’s Region IV office will perform the baseline biennial requalification inspection at Columbia Generating Station, using Nuclear Regulatory Commission Inspection Procedure 71111.11B, “Licensed Operator Requalification Program.” Experience has shown that this inspection is a resource intensive inspection both for the Nuclear Regulatory Commission inspectors and your staff. In order to minimize the impact to your onsite resources and to ensure a productive inspection, we have enclosed a request for documents needed for this inspection. These documents have been divided into three groups. The first group (Section A of the enclosure) identifies information to be provided prior to the inspection to ensure that the inspectors are adequately prepared. The second group (Section B of the enclosure) identifies the information the inspectors will need upon arrival at the site. The third group (Section C of this enclosure) identifies the items which are necessary to close out the inspection and are usually sent a few weeks after the team has left the site. It is important that all of these documents are up to date and complete in order to minimize the number of additional documents requested during the preparation and/or the onsite portions of the inspection.

We have discussed the schedule for these inspection activities with your staff and understand that our regulatory contact for this inspection will be Mr. Motley Hedges of your licensing organization. Our inspection dates are subject to change based on your updated schedule of examination activities. If there are any questions about this inspection or the material requested, please contact the lead inspector Mr. Steve Garchow at (817) 200-1426 (Steve.Garchow@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 3150-0018. 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.

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Sincerely,

/RA/

Vincent Gaddy, Chief  
Operations Branch  
Division of Reactor Safety

Docket: 50-397  
License: NPF-21

Enclosure:  
Inservice Inspection Document Request

## BIENNIAL REQUALIFICATION INSPECTION DOCUMENT REQUEST

From: Steve Garchow  
Senior Operations Engineer, NRC RIV  
817-200-1426

To: Rich Meyers  
Operator Training Manager, Columbia Generating Nuclear Station

Subject: Information Request to Support December 1–5, 2014, Biennial Licensed Operator Requalification Program Inspection (IP 71111.11B)

**A. The following information is requested in order to support inspection preparation activities. These items are listed by section as they appear in the inspection module. (i.e. 2.02, 2.04, etc.) Requested materials should be sent either electronically or hardcopy in order to arrive at the Region IV office no later than November 17, 2014.**

- Electronically: To: e-mail address [Steve.Garchow@nrc.gov](mailto:Steve.Garchow@nrc.gov)
- Hardcopy to: US Nuclear Regulatory Commission, Region IV  
1600 E. Lamar Blvd  
Arlington, TX 76011-4511  
ATTN: Steve Garchow

### **General Requests:**

- List of licensed operators (SRO & RO) by crew (operating & staff)
- Training and Operations Department organization charts (with qualified LOR evaluators identified)
- Licensed operator training schedule for the week of December 1, 2014
- The operating tests (JPMs & scenarios) password protected (provide password separately via telephone at later date) to be given the week of December 1, 2014, (the week team is onsite)

**B. The following information is requested in order to support the onsite inspection activities. Requested materials should be available to the inspection team, either electronically or hardcopy, upon site arrival on December 1, 2014. Note that it is not required to make copies of all the materials, but to have them available.**

### **General Requests:**

- Procedures that identify process for revising and maintaining LO continuing training program up to date
- List of outstanding LOR program changes

Enclosure

- List of plant events and industry operating experience incorporated into LOR program since last BRQ
- Audits and/or self-assessment reports addressing the licensed operator requalification training program since the last BRQ
- Last two years of simulator review committee (or equivalent) meeting minutes
- Last two years of CRC (or equivalent) meeting minutes

02.02: Biennial Exam Results

- All results up to the day the team leaves the site

02.03: Biennial Requalification Written Examination Quality

- The current and approved biennial written examination schedule
- The current requalification cycle written examination results for both SRO & RO that have already been administered up to the week prior to the inspection team arrival onsite
- **All** written examinations that have been approved for administration
- The current requalification cycle examination methodology (sample plan)

02.04: Annual Requalification Operating Test Quality

- Any changes to the schedule for the operating tests (JPMs & scenarios) to be given the week of December 1, 2014 (week team is onsite)
- Current requalification cycle operating tests (SRO & RO) and results up to the week prior to the inspection team arrival onsite
- Current requalification cycle operating test methodology (sample plan)
- A listing of licensed operator response times for time critical operator actions

02.05: Licensee Admin of Requal Exams

- All procedures used to administer the annual operating test
- All procedures used to assess operator performance
- All procedures that describe conduct of simulator training
- All Procedures used to test, operate, and maintain the simulator

02.06: Requalification Examination Security

- Any tracking tools that you use as a means to prevent excessive overlap on the written examinations and also meet the intent of sampling all required topics on a periodic basis
- Any tracking tools that you use as a means to prevent excessive overlap on the operating tests and also meet the intent of sampling all required malfunctions (including major events, instrument/component malfunctions, TS calls, etc.) on a periodic basis
- All Procedures that describe examination security, including procedures used to develop the examinations that include guidelines on overlap between examinations in current exam cycle tests and prior year examinations
- List of all Condition Reports since the last biennial requal inspection related to examination security and overlap

02.07: Licensee Remedial Training Program

- List of remedial training conducted or planned since last requal exams (includes training provided to operators to enable passing requal exams and training provided to correct generic or individual weaknesses observed during previous requal exam cycle)
- Remediation plans (lesson plans, reference materials, and attendance documentation)

02.08: Conformance with Operator License Conditions

- Access to licensed operators' records (operating and staff crews)
- Access to licensed operators' training attendance records
- Access to licensed operators' medical records
- All Procedures and Program documentation for maintaining active operator licenses, tracking training attendance, and ensuring medical fitness of licensed operators
- All Procedures and associated documentation that supports reactivation of any SRO/RO license (operating or staff crew) since the last biennial inspection

02.09: Simulator Performance

- Simulator discrepancies (DR's) from October 1, 2012, through October 1, 2014. This should include all open DR's and DR's that have been closed, including the documentation/justification for closure

- Acceptance test documentation, including hardware and software model revisions at the time of acceptance (as available)
- Documentation that validates current models, including the thermal-hydraulics and neutronics models, to the actual plant
- All current model deficiencies, including FSAR vs Design differences in the simulator (any documentation on this)
- Summary list of modifications from October 1, 2012, through October 1, 2014
- Plant Modifications (both hardware and software) completed on the Simulator by due date from October 1, 2012, through October 1, 2014
- Simulator Differences Lesson plan used in training (current to October 1, 2014)
- The complete book of all Simulator annual performance test packages (usually in a single book, but may be electronic or in single test packages), complete with all transient tests, steady state tests, and malfunction tests. This should also include the test procedures for each test, the acceptance criteria, and results. For each transient test, the reference chart should be included or an equivalent subject matter expert review versus the simulator results with a write-up for any differences beyond the ANSI standard requirements
- All test packages used to verify core physics parameters (such as MTC, IRW). The applicable reference graphs from the Plant physics data book (electronic or other means as available) should also be included as well as the test procedures used and the acceptance criteria with results
- All Simulator test, configuration management, and related documents available in the room for inspectors to review. This includes training needs analysis packages, simulator review committee meeting minutes, etc.
- Current copy of ANSI 3.5 standard you are committed to for Simulator testing
- For the following cases, send the most recent transient test packages, which may be electronic or in paper single test packages and shall be complete with test procedures for each test, the acceptance criteria, and results. For each transient test, the reference chart should be included or an equivalent subject matter expert review versus the simulator results with a write-up for any differences beyond the ANSI 3.5 standard requirements
  - Transient test 1, Manual Rx trip
  - Transient test 6, Main turbine trip (no reactor trip)
  - Transient test 10, Stuck open PORV
  - Steady State tests for low power
- All Simulator Management and Configuration Procedures if not already provided for section 02.05 above

- Simulator Discrepancy Report **summary** list for all open DR's. For closed DR's, **summary** list for those items closed between October 1, 2012 and October 1, 2014

02.10: Problem Identification and Resolution

- A summary report of all condition reports related to operator actions/errors/performance in the control room
- Any revised requalification training that was based on licensed operator performance issues

**C. Columbia Generating Station is required to send the final results summary and any remaining exams and operating tests that have not been reviewed to the regional office lead inspector for this inspection for final review and comparison against the Significance Determination Process in order to communicate the exit results for the inspection.**

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Sincerely,

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Vincent Gaddy, Chief  
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Docket: 50-397  
 License: NPF-21

Enclosure:  
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DISTRIBUTION  
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ADAMS ACCESSION NUMBER:ML14226A972

<input checked="" type="checkbox"/> SUNSI Review By: KC		ADAMS: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Sensitive <input checked="" type="checkbox"/> Non-Sensitive		<input type="checkbox"/> Non-Publicly Available <input checked="" type="checkbox"/> Publicly Available		Keyword NRC-002	
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Letter to Mark Reddmann from Vincent Gaddy, dated August 14, 2014

SUBJECT: COLUMBIA GENERATING STATION - NOTIFICATION OF INSPECTION (NRC INSPECTION REPORT 05000397/2015001) AND REQUEST FOR INFORMATION

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