

ILLINOIS POWER COMPANY



CLINTON POWER STATION, P.O. BOX 678, CLINTON, ILLINOIS 61727

September 24, 1985

Docket No. 50-461

Director of Nuclear Reactor Regulation
Attention: Mr. W. R. Butler, Chief
Licensing Branch No. 2
Division of Licensing
U. S. Nuclear Regulatory Commission
Washington, DC 20555

Subject: Clinton Power Station Unit 1
SER Outstanding Issue #711
Seismic and Dynamic Qualification of Equipment

Dear Mr. Butler:

During the week of August 26, 1985, the NRC Staff and its consultants performed an on-site audit of the Clinton Power Station Seismic and Dynamic Qualification of Equipment. Twenty pieces of equipment were selected for the audit, including two surprise items, to determine the adequacy of the equipment qualification program.

As a result of the audit, 12 specific open items were identified as well as 7 generic open items. The purpose of this letter is to provide a schedule for closure for each open item as specified by your Staff.

Attached is a description of each open item with a corresponding closure date. Please contact us if you have any questions on this matter.

Sincerely yours,

A handwritten signature in dark ink, appearing to read 'F. A. Spangenberg'.

F. A. Spangenberg
Director - Nuclear Licensing
Nuclear Station Engineering

JLP/kaf

Attachment

cc: B. L. Siegel, NRC Clinton Licensing Project Manager
NRC Resident Office
Regional Administrator, Region III, USNRC
Illinois Department of Nuclear Safety

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CLOSURE SCHEDULE
for
NRC SQRT AUDIT OPEN ITEMS

<u>OPEN ITEMS</u>	<u>SCHEDULED CLOSURE DATE</u>
<u>Equipment Specific Items</u>	
1. 480 V. Unit Substation (BOP-1)	
a. IP to install the locking devices for all 4 substations (Re: S&L ECN No.6016) and enter into plant maintenance procedure to ensure such installation.	11-15-85
b. IP is to submit Wyle Test Report of transformer No. 42686-4 for SQRT review and acceptance.	10-18-85
2. Rod Action Control Cabinet (NSSS-9)	
a. Regarding the difference of as-installed arrangement of 652 cabinet from as-tested, IP is to provide for SQRT review and acceptance, additional information based on GE's "Hanford Report" which contains cabinet tests for other projects.	11-30-85
3. HCU (NSSS-10)	
a. The S&L calculation as provided during the audit, which accounts for the presence of flaws (cracks) in estimating allowable fatigue cycle, will be further reviewed by SQRT.	N/A
4. SLC Pump & Motor (BOP-5)	
a. Motor (Reliance) needs to be installed based on industry's acceptable practice. Need a written confirmation from IP.	10-18-85
5. Diesel Generator & Electrical Devices (BOP-6)	
a. IP is to provide the seismic test report of the audited AGASTAT Safety Setup relay for the SQRT review and acceptance. IP is to confirm complete qualification of all remaining devices on Diesel Generator.	09-30-85
b. IP is to confirm in-place and secure one side of panel enclosure.	09-30-85
c. IP is to address the oil leakage in engine sump "O" ring in relation to NCMR 02-0431.	09-30-85

CLOSURE SCHEDULE
for
NRC SQRT AUDIT OPEN ITEMS

OPEN ITEMS	SCHEDULED CLOSURE DATE
<u>Equipment Specific Items (Cont'd)</u>	
6. 20" Recirculation Suction Motor Operated Gate Valve (NSSS-3)	
No review performed, because it was classified as passive (see generic concern).	N/A
7. Housing Cabinet (NSSS-1)	
a. IP is to complete panel bolting.	11-15-85
b. IP is to secure the door panel.	11-15-85
c. IP is to document the demonstration of dynamic similarity between the tested panel and as-installed one.	11-15-85
8. RHR Suction Cooling MOV (NSSS-2)	
a. Revise valve specification which permits qualification of active valve by analysis alone (see generic concern).	11-15-85
b. IP is to complete the qualification by testing (see generic concern).	11-15-85
c. Revise valve specification (Form 350-B) regarding definition of active valve.	10-18-85
9. Metal Enclosed Switchgear (NSSS-8)	
a. IP is to provide correlation and justification of field modifications responding to the modifications made during the Wyle test.	11-01-85
b. IP is to confirm that all NCRs have been complied.	11-15-85
c. IP is to justify the use of wall response spectra instead of floor response spectra in qualification (see generic concern).	10-18-85

CLOSURE SCHEDULE
for
NRC SQRT AUDIT OPEN ITEMS

OPEN ITEMS	SCHEDULED CLOSURE DATE
<u>Equipment Specific Items (Cont'd)</u>	
10. Control Room Chiller (BOP-2)	
a. IP is to complete the installation of transmitter connections.	11-15-85
b. IP is to ensure that the panel door is secured and closed.	11-15-85
11. 6900 V. Switchgear (BOP-3)	
a. IP is to ensure that the screw of panel door is tightened.	09-30-85
12. 14" 150 lb. Butterfly Valve (BOP-8)	
a. IP is to complete qualification by testing (see generic concern).	11-15-85
<u>Generic Items</u>	
1. IP is to revise valve specification to reflect correct definition of active valve.	11-15-85
2. IP is to revise valve specification and FSAR to reflect correct qualification requirement of active valves.	10-18-85
3. IP is to provide a list of active valves for the Clinton project.	10-01-85
4. IP is to perform more sample tests for active valve operability (not actuator) to supplement the analyses already performed for the valves. This could be done based on categorization of valves by size, type, configuration and safety function requirements, etc. IP is to confirm the completion of such program and submit some representative packages for the SQRT review and acceptance.	11-15-85

CLOSURE SCHEDULE
for
NRC SQRT AUDIT OPEN ITEMS

<u>OPEN ITEMS</u>	<u>SCHEDULED CLOSURE DATE</u>
<u>Generic Items (Cont'd)</u>	
5. IP is to submit monthly update of the equipment master list which reflects correct qualification status of each equipment item (including documentation and installation).	10-04-85
6. IP is to demonstrate that the impact between closely adjacent cabinets is addressed, by bolting the cabinets together, or by other justifiable approaches.	10-25-85
7. IP is to verify and confirm that floor response spectra were used for the qualification floor mounted equipment, or provide justification otherwise.	10-18-85