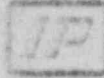


F-0998
L40-84(11-14)-L
8G.150b

ILLINOIS POWER COMPANY



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

November 14, 1984

50-461

Mr. Gordon L. Parkinson
Bechtel Power Corporation
Fifty Beale Street
San Francisco, CA 94119

Dear Mr. Parkinson:

Enclosed is S&L's response to Observation Report Number 31, Rev. 0.
This response has been reviewed by Illinois Power.

Sincerely yours,

A handwritten signature in cursive script that reads 'H. R. Victor'.

H. R. Victor
Manager,
Nuclear Station Engineering

DWW/lm

cc: See Attached Distribution List

8411200108 841114
PDR ADOCK 05000461
A PDR

Bool
11

SARGENT & LUNDY
ENGINEERS
FOUNDED 1891

55 EAST MONROE STREET

CHICAGO, ILLINOIS 60603

(312) 269-2000

TWX 910-221-2807

R. C. HEIDER
ASSOCIATE
312-269-7046

SLMI-13951

Date: November 7, 1984

Project No. 4536-51, -53

Illinois Power Company
Clinton Power Station - Unit 1

Independent Design Review
Observation and Resolution Reports

Mr. J. D. Geier
Assistant to Vice President
Illinois Power Company
500 South 27th Street
Decatur, Illinois 62525

Dear Mr. Geier:

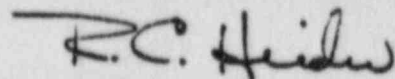
Enclosed is a copy of the below listed Resolution Reports with the proposed resolution (Items 5 and 6) completed by Sargent & Lundy:

Resolution Report No. 31, Revision 0

We are also enclosing a copy of the corresponding Observation Reports for completeness.

Please review our proposed resolution and, if you concur, sign Item 7 of the Resolution Report and forward the report to the independent reviewer. Also, please return a copy of the signed Resolution Report to Sargent & Lundy for our records.

Yours very truly,



R. C. Heider
Project Manager

RCH:nd

Attachment - all recipients

D. P. Hall	E. B. Branch
H. R. Victor	B. A. Erler
F. A. Spangenberg (originals)	W. G. Schwartz
L. E. Ackmann/W. A. Chittenden	L. R. Stensland
W. G. Hegener	H. S. Taylor
E. V. Abraham	R. A. Witt
R. X. French	R. B. Johnson
J. M. McLaughlin	M. J. Shewski
H. M. Sroka	D. K. Schopfer

CLINTON POWER STATION
Job 15478-003

OBSERVATION REPORT

File No. 31
File Revision No. 0
Date October 22, 1984

1. Level 1 classification of Observation:

- Not significant to safety
 Additional information required *See 5, "Recommendation for resolution"
 Significant to safety, send to Level 2 Committee

2. Structure(s), system(s), or component(s) involved:

SSWS Valves 1SX095 A & B

3. Description of Observation:

There is a discrepancy between logic diagram M15-1052-4, Rev. C, and the related schematic diagram E02-1SX99 regarding valves 1SX095 A & B.

(See continuation sheet)

4. Significance of Observation:

There is the potential that logic diagram M15-1052-4, Rev. C and its related schematic diagram have not been adequately coordinated.

5. Recommendation for resolution (optional):

S&L should provide an explanation of why these discrepancies occurred. S&L should verify that the process for preparing these logic and schematic diagrams ensures that the design criteria are implemented in the design.

6. Signatures:

[Signature] 10/22/84
Level 1 Review Committee

R. S. Cahn

[Signature]

[Signature]
[Signature]
[Signature]

CLINTON POWER STATION
Job 15478-003

OBSERVATION REPORT
(continuation sheet)

File No. 31
File Revision No. 0
Date October 22, 1984

3. Logic diagram M15-1052-4, Rev. C., requires valves 1SX095 A & B to close automatically when fans 1VR08C and 1VR11C stop by deleting the manual close function and adding a "not" function to accomplish an automatic stop. The related schematic diagram still shows the manual stop function. As a result, the valves will not close automatically as required by the control logic.

Ten valves are listed in the logic table, two with related fan control and eight that are intended to be opened and closed manually. These eight valves do not appear to operate as described in the logic diagram.

CLINTON POWER STATION
Job 15478-003

RESOLUTION REPORT

File No. 31
File Revision No. 0
Date October 22, 1984

1. Resolution by Level 1 Internal Review Committee

2. Classification of Observation:

- a. Not valid (see continuation sheet)
- b. Not significant to safety
- c. Additional information required
- d. Significant to safety

3. Program resolution is:

- a. Closed item
- b. Action to be taken by Reviewee

4. Review Committee signatures:

R.S. Cohn
ew Jordan

J. Parkerson 10/22/84
DBH

5. Reviewee proposed resolution:

a. Description of proposed resolution:

(See continuation sheet.)

b. Basis of proposed resolution:

(See continuation sheet.)

6. Reviewee response report signed by

Richard L. Swan
Engineer

11-7-84
Date

R.C. Hendon
Manager

11/7/84
Date

7. Illinois Power Co. Review :

H.P. Vester

11/13/84
Date

CLINTON POWER STATION
Job 15478-003

RESOLUTION REPORT
(continuation sheet)

File No. 31
File Revision No. 0
Date October 22, 1984

5a. No corrective action required.

5b. The control functions of logic diagram M15-1052, Sheet 4, Revision C, for valves LSX095A & B has been implemented on schematic diagram E02-LSX99, Sheet 41, Revision E. The design criteria (i.e., HVAC Functional Description) requirement is to automatically open valves LSX095A & B when the associated fan motors are running. Remote manual operator action to close the valves when the fan motors have stopped is intended. The logic diagram shows these control functions as well as the required open and close control functions for the other eight valves.

Logic diagram M15-1052, Sheet 4, Revision C, incorporated a revision resultant from an interdisciplinary design review in order to match the schematic and system requirements. This revision of the logic diagram was a simplified revision and was not the optimum means of describing the control logic. After Revision C of logic diagram M15-1052, Sheet 4, was issued, another interdisciplinary engineering review was made to review the revision and it was judged that the logic could have been shown better, but that it would not be cost effective to make another revision of the logic diagram.

The control logic for the other eight valves shown on this logic diagram have the same simplification. The control logic indicates these valves should open and close by a remote manual control switch. This control logic has been implemented on the schematics.

There is no safety significance because the logic diagram and the schematic diagrams have correctly implemented the system design requirements.

F-0998
L40-84(11-14)-L
8G.150b

Clinton Power Station

Independent Design Review
Standard Distribution List

Director of Nuclear Reactor Regulation
Attn: Mr. A. Schwencer, Chief
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U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

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Regional Administrator
Region III
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799 Roosevelt Road
Glen Ellyn, Illinois 60137

Byron Siegel
Clinton Licensing Project Manager
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Washington, D.C. 20555

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Quality Assurance Branch
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Spokesperson, Prairie Alliance
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