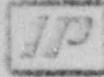


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8C.150b

50-461

ILLINOIS POWER COMPANY



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

November 14, 1984

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 32, Rev. 0.  
This response has been reviewed by Illinois Power.

Sincerely yours,

H. R. Victor  
Manager,  
Nuclear Station Engineering

DWW/lm

cc: See Attached Distribution List

Boo  
11

8411200208 841114  
PDR ADOCK 05000461  
A PDR

**SARGENT & LUNDY**  
**ENGINEERS**

FOUNDED 1891

55 EAST MONROE STREET

CHICAGO, ILLINOIS 60603

(312) 299-2000

TWX 910-221-2807

R. C. HEIDER  
ASSOCIATE  
312-289-7045

SLMI-13952

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:

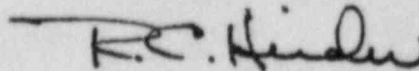
Enclosed is a copy of the below listed Resolution Reports with the proposed resolution (Items 5 and 6) completed by Sargent & Lundy:

Resolution Report No. 32, Rev. 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

H. R. Victor

F. A. Spangenberg (originals)

L. E. Ackmann/W. A. Chittenden

W. G. Hegener

E. V. Abraham

R. X. French

J. M. McLaughlin

H. M. Sroka

E. B. Branch

B. A. Erler

W. G. Schwartz

L. R. Stensland

H. S. Taylor

R. A. Witt

R. B. Johnson

M. J. Shewski

D. K. Schopfer

CLINTON POWER STATION  
Job 15478-003

OBSERVATION REPORT

File No. 32  
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:

Class 1E ac electrical system

3. Description of Observation:

FSAR Figure 8.3-6 shows that non-Class 1E components are electrically isolated from the Class 1E system by two acceptable isolation devices for power circuits.

(See continuation sheet)

4. Significance of Observation:

There is a potential that a fault in the synchroscope, which is a non-safety related component, could degrade the Class 1E power supply.

5. Recommendation for resolution (optional):

S&L should provide an explanation of why this discrepancy occurred, and an assessment of its safety significance.

S&L should justify the adequacy of the circuit design to meet the design requirement.

6. Signatures:

Markinson 10/22/84  
Level 1 Review Committee

J. B. Harris

R. S. Cahn

B. W. Jordan

CLINTON POWER STATION  
Job 15478-003

OBSERVATION REPORT  
(continuation sheet)

File No. 32  
File Revision No. 0  
Date October 22, 1984

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3. During manual operator action when transferring from the diesel generator (onsite source) back to an offsite source, a synchroscope which is a non-Class 1E device will be connected to the Class 1E system. The synchroscope circuit is isolated from the Class 1E system by only one fuse.



CLINTON POWER STATION  
Job 15478-003

RESOLUTION REPORT

File No. 32  
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. D. Calm  
AW Jordan

D. B. H. ...  
K. Parkman 10/22/84

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

Mark H. Zee  
Engineer  
R. C. Heider  
Manager

11/6/84  
Date  
11/7/84  
Date

7. Illinois Power Co. Review :

H. R. Victor

11/13/84  
Date

CLINTON POWER STATION  
Job 15478-003

RESOLUTION REPORT  
(continuation sheet)

File No. 32  
File Revision No. 0  
Date October 22, 1984

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The observation described in Section 3 is not a discrepancy and, therefore, has no safety significance.

Synchroscope circuits are not considered to be power circuits. They are information circuits and, as such, are connected to their respective Class 1E circuits in accordance with the requirements for associated information circuits in FSAR Figure 8.3-6.

The synchroscope circuit is normally de-energized; it is energized by operator action which occurs infrequently on only one division at a time. In the event of a fault in the synchroscope, analysis shows the Class 1E fuse for the synchroscope circuit will interrupt the circuit prior to the opening of the upstream Class 1E PT fuse thereby isolating the Class 1E system from the fault.

Since the synchroscope of only one division is operated at a time, the unlikely failure of the Class 1E synchroscope fuse to interrupt a fault would result in no common mode failure.

Clinton Power Station

Independent Design Review  
Standard Distribution List

Director of Nuclear Reactor Regulation  
Attn: Mr. A. Schwencer, Chief  
Licensing Branch No. 2  
Division of Licensing  
U. S. Nuclear Regulatory Commission  
Washington, D.C. 20555

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Region III  
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Glen Ellyn, Illinois 60137

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Washington, D.C. 20555

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NRC Resident Office  
Clinton Power Station  
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Section Chief, Licensing Section  
Quality Assurance Branch  
Office of Inspection and Enforcement  
Mail Stop EWS - 305A  
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Washington, D.C. 20555

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Section Chief  
Projects Section 1-C  
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Glen Ellyn, Illinois 60137

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Office of the Legal Director  
U. S. Nuclear Regulatory Commission  
Washington, D.C. 20555

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Sargent & Lundy Engineers  
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Chicago, Illinois 60603