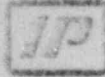


F-0999
L40-84(11-14)-L
8C.150b

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

R. C. HEIDER
ASSOCIATE
312-289-7046

CHICAGO, ILLINOIS 60603
(312) 289-2000
TWX 910-221-2807

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:

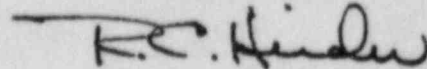
Enclosed is a copy of the below listed Resolution Reports with the proposed resolution (Items 5 and 6) completed by Sargent & Lundy:

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:

10/22/84
Level 1 Review Committee

D. B. H. 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

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. and
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. Zan
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

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

James G. Keppler
Regional Administrator
Region III
U. S. Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, Illinois 60137

Byron Siegel
Clinton Licensing Project Manager
Mail Code 416
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

Fred Christianson
Mail Code V-690
NRC Resident Office
Clinton Power Station
R.R. #3, Box 228
Clinton, Illinois 61727

James L. Milhoan
Section Chief, Licensing Section
Quality Assurance Branch
Office of Inspection and Enforcement
Mail Stop EWS - 305A
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

Richard C. Knop
Section Chief
Projects Section 1-C
U. S. Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, Illinois 60137

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

Don Etchison
Director, Illinois Department of
Nuclear Safety
1035 Outer Park Drive
Springfield, Illinois 62704

Allen Samelson, Esq.
Assistant Attorney General
Environmental Control Division
Southern Region
500 South Second Street
Springfield, Illinois 62706

Jean Foy
Spokesperson, Prairie Alliance
511 W. Nevada
Urbana, Illinois 61801

Richard Hubbard
MHB Technical Associates
1723 Hamilton Avenue
Suite K
San Jose, California 95125

Gordon L. Parkinson
Bechtel Power Corporation
Fifty Beal Street
P. O. Box 3965
San Francisco, California 94119

Roger Heider
Sargent & Lundy Engineers
55 East Monroe Street
Chicago, Illinois 60603