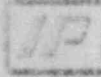


F-0997
L40-84(11-14)-L
8G.150b

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 25, 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

8411200202 841114
PDR ADOCK 05000461
A PDR

13001
11

SARGENT & LUNDY
ENGINEERS
FOUNDED 1891

55 EAST MONROE STREET

CHICAGO, ILLINOIS 60603

(312) 269-2000

R. C. HEIDER
ASSOCIATE
312-209-7046

SLMI-13892

Date: November 2, 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:

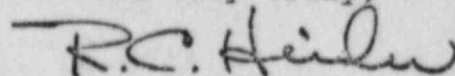
Resolution Report Number 25, Revision 0

Resolution Report Number 26, 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

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. 25
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:

SSW System,
Motor and air operated valves with extended masses

3. Description of Observation:

The S&L model of motor and air operated valves with extended masses may be more rigid than the actual situation due to possible amplification through the valve superstructure. There does not appear to be a correlation between the way the valve yoke is modeled and the actual stiffness of the yoke or frequency of the valve superstructure/operator.

4. Significance of Observation:

The potential exists that the calculated acceleration might not be adequate, especially for those cases when a valve is subjected to hydrodynamic forces.

5. Recommendation for resolution (optional):

S&L should verify that the model for these valves adequately represents the actual situation, and that the calculated accelerations are justified.

6. Signatures:

J. Parkman 10/22/84
Level 1 Review Committee
D. S. Hanks
R. B. Calm
B. W. Jordan

100 FSAR
V. M.
10/22/84

CLINTON POWER STATION
Job 15478-003

RESOLUTION REPORT

File No. 25
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. Cahn
aw Jordan

h Parkman 10/22/84
D. B. Hanks

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

acm / 27/84
Engineer

11/1/84
Date

R. C. Hendon
Manager

11/2/84.
Date

7. Illinois Power Co. Review :

H. R. Vito

11/13/84
Date

CLINTON POWER STATION
Job 15478-003

RESOLUTION REPORT
(continuation sheet)

File No. 25
File Revision No. 0
Date _____

S&L Description of Proposed Resolution for Observation Report -
File No. 25

The method used by Sargent & Lundy to model valves with eccentric mass was found to be acceptable to the NRC. The justification for this modeling technique is documented in Volume 19 of the FSAR, Q&R 3-61.

F-0997
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8G.150b

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

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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

Richard C. Knop
Section Chief
Projects Section 1-C
U. S. Nuclear Regulatory Commission
799 Roosevelt Road
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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Director, Illinois Department of
Nuclear Safety
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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