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Docket No. 50-334

Mr. J. J. Carey, Vice President
Nuclear Division
Duquesne Light Company
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Pittsburgh, Pennsylvania 15219

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D. Eisenhut
C. Parrish
P. Tam
OELD
SECY
L. J. Harmon
E. Jordan
J. Taylor
T. Barnhart (4)
W. Jones
D. Brinkman

Dear Mr. Carey:

The Commission has issued the enclosed Amendment No. 69 to Facility Operating License No. DPR-66 for the Beaver Valley Power Station, Unit No. 1. The amendment consists of changes to the Technical Specifications in response to your application transmitted by letter dated November 23, 1982.

The amendment adds 31 mechanical snubbers to Table 3.7-4a and replaces 3 hydraulic snubbers with mechanical ones in Table 3.7-4b of the Technical Specifications.

A copy of the related Safety Evaluation is enclosed. The Notice of Issuance will be included in the Commission's next regular monthly Federal Register Notice.

Sincerely,

Original signed by:

Peter S. Tam, Project Manager
Operating Reactors Branch No. 1
Division of Licensing

Enclosures:

- 1. Amendment No. 69 to DPR-66
- 2. Safety Evaluation

cc w/enclosures:
See next page

*Immediately before
closing, check for
comments and petitions. If
any comment to OELD*

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P PDR

Amendment 2 of FRN

OFFICE	ORB 1 CParrish/rs	ORB 1 PTam/rs	ORB SV/da	AD:OR:DL DL/nas	OELD: T. Barnhart	D:DL D. Eisenhut
SURNAME						
DATE	8/15/83	8/25/83	8/25/83	8/25/83	8/31/83	9/1/83

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Duquesne Light Company

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Mr. J. J. Carey
Duquesne Light Company

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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

September 6, 1983

DUQUESNE LIGHT COMPANY

OHIO EDISON COMPANY

PENNSYLVANIA POWER COMPANY

DOCKET NO. 50-334

BEAVER VALLEY POWER STATION, UNIT NO. 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 69
License No. DPR-66

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Duquesne Light Company, Ohio Edison Company, and Pennsylvania Power Company (the licensees) dated November 23, 1982, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act) and the Commission's rules and regulations set forth in 10 CFR Chapter I;
 - B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;
 - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
 - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
 - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.

2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 2.C.(2) of Facility Operating License No. DPR-66 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 69, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective as of the date of its issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Steven A. Varga, Chief
Operating Reactors Branch #1
Division of Licensing

Attachment:
Changes to the Technical
Specifications

Date of Issuance: September 6, 1983

ATTACHMENT TO LICENSE AMENDMENT

AMENDMENT NO. 69 TO FACILITY OPERATING LICENSE NO. DPR-66

DOCKET NO. 50-334

Revise Appendix A as follows:

Remove Pages

3/4 7-32b

3/4 7-32d

3/4 7-33

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Insert Pages

3/4 7-32b

3/4 7-32d

3/4 7-33

3/4 7-33a

TABLE 3.7-4a (Continued)

SAFETY RELATED HYDRAULIC SNUBBERS*

BEAVER VALLEY - UNIT 1

3/4 7-32b

<u>SNUBBER NO.</u>	<u>SYSTEM SNUBBER INSTALLED ON, LOCATION AND ELEVATION</u>				<u>ACCESSIBLE OR INACCESSIBLE</u>	<u>HIGH RADIATION ZONE</u>	<u>ESPECIALLY DIFFICULT TO REMOVE</u>
RC-IHSS-3	RC	RCP	Cub. C	722'	I	Yes	Yes
RC-IHSS-4	"	"	"	722'	"	"	"
PS-245-VS-1	"	"	"	725'	"	"	"
VS-359-1	"	"	"	719'	"	"	"
SI-IHSS-420	SI	"	"	731'	"	"	"
SI-IHSS-421	"	"	"	731'	"	"	"
RC-IHSS-101	RC	RCP	Cub. A.	739'	I	Yes	Yes
RC-IHSS-102	"	"	"	739'	"	"	"
SI-IHSS-102A	SI	"	"	745'	"	"	"
SI-IHSS-102B	"	"	"	745'	"	"	"
SI-IHSS-414	"	"	"	741'	"	"	"
RC-IHSS-103	RC	RCP	Cub. B	739'	"	"	"
RC-IHSS-104	"	"	"	739'	"	"	"
SI-IHSS-418	SI	"	"	741'	"	"	"
RC-IHSS-23	RC	REA.	CONT. BLDG.	749'	A	No	No
RC-IHSS-105	RC	RCP	Cub. C	739'	I	Yes	Yes
RC-IHSS-106	RC	"	"	739'	"	"	"
RC-IHSS-130	"	"	"	739'	I	"	"
RC-IHSS-131	"	"	"	739'	"	"	"
SI-IHSS-114A	SI	"	"	745'	"	"	"
SI-IHSS-114B	"	"	"	745'	"	"	"
SI-IHSS-422	"	"	"	741'	"	"	"
SI-IHSS-423	"	"	"	739'	"	"	"
RC-IHSS-41A	"	"	"	784'	"	"	"

* Snubbers may be added to safety related systems without prior License Amendment to Table 3.7-4 provided that safety evaluations, documentation and reporting are provided in accordance with 10 CFR 50.59 and that a revision to Table 3.7-4 is included with a subsequent License Amendment request.

TABLE 3.7-4a (Continued)
SAFETY RELATED HYDRAULIC SNUBBERS*

BEAVER VALLEY - UNIT 1
 3/4 7-32d

<u>SNUBBER NO.</u>	<u>SYSTEM SNUBBER INSTALLED ON, LOCATION AND ELEVATION</u>			<u>ACCESSIBLE OR INACCESSIBLE</u>	<u>HIGH RADIATION ZONE</u>	<u>ESPECIALLY DIFFICULT TO REMOVE</u>
WFPD-IHSS-207	FW	REA. CONT. BLDG.	772'	A	No	No
WFPD-IHSS-208	"	"	772'	"	"	"
WFPD-IHSS-208A	"	"	771'	"	"	"
SIIP-IHSS-207	MS	"	796'	I	"	Yes
SIIP-IHSS-208	"	"	796'	"	"	"
WFPD-IHSS-221	FW	"	772'	A	"	No
WFPD-IHSS-212	"	"	772'	"	"	"
WFPD-IHSS-212A	"	"	771'	"	"	"
SIIP-IHSS-213	MS	"	798'	I	"	Yes
SIIP-IHSS-214	"	"	798'	"	"	"
SIIP-IHSS-209	"	"	798'	"	"	"
SIIP-IHSS-210	"	"	798'	"	"	"
SIIP-IHSS-211	"	"	798'	"	"	"
SIIP-IHSS-212	"	"	798'	"	"	"
SIIP-IHSS-214A	"	"	805'	"	"	"
WFPD-IHSS-209	FW	"	780'	A	"	No
WFPD-IHSS-210	"	"	780'	"	"	"
RC-IHSS-119	"	"	734'	"	"	"
SI-PSSP-337	SI	"	728'	"	No	"
SI-IHSS-409	"	"	729'	"	"	"
SI-IHSS-410	"	"	731'	"	"	"
SI-IHSS-411	"	"	731'	"	"	"
RS-IHSS-201	RS	"	731'	"	Yes	"

* Snubbers may be added to safety related systems without prior License Amendment to Table 3.7-4 provided that safety evaluations, documentation and reporting are provided in accordance with 10 CFR 50.59 and that a revision to Table 3.7-4 is included with a subsequent License Amendment request.

TABLE 3.7-4b

SAFETY RELATED MECHANICAL SNUBBERS*

<u>SNUBBER NO.</u>	<u>SYSTEM SNUBBER INSTALLED ON, LOCATION AND ELEVATION</u>	<u>ACCESSIBLE OR INACCESSIBLE</u>	<u>HIGH RADIATION ZONE**</u>	<u>ESPECIALLY DIFFICULT TO REMOVE</u>
RC-PSSP-115	RC Pressurizer Cub. 768'	A	Yes	No
RC-PSSP-116	" " 768'	"	"	"
RC-PSSP-24A	" " 770'	"	"	Yes
RC-PSSP-24B	" " 769'	"	"	"
RC-PSSP-25A	" " 779'	"	"	"
RC-PSSP-25B	" " 778'	"	"	"
RC-HSS-042A-A	" " 784'	"	"	"
RC-HSS-042A-B	" " 784'	"	"	"
RC-PSSP-122A	" " 784'	"	"	"
RC-PSSP-122B	" " 784'	"	"	"
RC-PSSP-301	" " 784'	I	"	"
CC-PSSP-300A	CC P.A. Bldg. 726'	A	No	No
CC-PSSP-300B	" " 726'	"	"	"
CC-HSS-406A	CC Pipe Annulus 710'	I	Yes	Yes
CC-HSS-406B	" " " 710'	"	"	"
WR-HSS-307	RW P.A. Bldg. 732'	A	No	No
WGCB-PSSP-101	SGBD Rea. Cont. Bldg. 727'	"	Yes	"
WGCB-H-47A	" " " 731'	"	"	"
RC-PSSP-128	RC PRT Cub. 735'	"	"	"
RC-PSSP-129	" " 733'	"	"	"
WGCB-PSSP-46E	SGBD RCP Cub. A 740'	"	"	"
WGCB-PSSP-46F	" " 740'	"	"	"
WGCB-PSSP-46G	" " 740'	"	"	"
WGCB-PSSP-46H	" " 740'	"	"	"

* Snubbers may be added to safety related systems without prior License Amendment to Table 3.7-4b provided that a revision to Table 3.7-4b is included with the next License Amendment request.

**Modifications to this column due to changes in high radiation areas may be made without prior License Amendment provided that a revision to Table 3.7-4b is included with the next License Amendment request.

TABLE 3.7-4b, Continued

SAFETY RELATED MECHANICAL SNUBBERS*

<u>SNUBBER NO.</u>	<u>SYSTEM SNUBBER INSTALLED ON, LOCATION AND ELEVATION</u>	<u>ACCESSIBLE OR INACCESSIBLE</u>	<u>HIGH RADIATION ZONE**</u>	<u>ESPECIALLY DIFFICULT TO REMOVE</u>	
CC-HS-021B	CC RCP Cub. A	744'	A	Yes	No
CC-HS-021A	" "	745'	"	"	"
CC-HS-001A	CC RCP Cub. B	740'	"	"	"
CC-HS-001B	" "	739'	"	"	"
WGCB-PSSP-200A	SGBD "	740'	"	"	"
WGCB-PSSP-200B	" "	740'	"	"	"
WGCB-PSSP-200C	" "	740'	"	"	"
WGCB-PSSP-200D	" "	740'	"	"	"
WGCB-PSSP-55G	SGBD RCP Cub. C	722'	"	"	"
WGCB-PSSP-55H	" "	722'	"	"	"
WGCB-PSSP-55E	" "	728'	"	"	"
WGCB-PSSP-55F	" "	728'	"	"	"
RC-PSSP-20	RC PRT Cub.	734'	"	"	"

* Snubbers may be added to safety related systems without prior License Amendment to Table 3.7-4b provided that a revision to Table 3.7-4b is included with the next License Amendment request.

**Modifications to this column due to changes in high radiation areas may be made without prior License Amendment provided that a revision to Table 3.7-4b is included with the next License Amendment request.

BEAVER VALLEY - UNIT 1

3/4 7-33a



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
RELATED TO AMENDMENT NO. TO FACILITY OPERATING LICENSE NO. DPR-66

DUQUESNE LIGHT COMPANY

OHIO EDISON COMPANY

PENNSYLVANIA POWER COMPANY

BEAVER VALLEY POWER STATION, UNIT NO. 1

DOCKET NO. 50-334

INTRODUCTION

On November 23, 1982, Duquesne Light Company submitted Proposed Change Request No. 78 to Operating License No. DPR-66 for Beaver Valley Power Station Unit No. 1. The proposed change modifies Tables 3.7-4a and 3.7.4b in the Technical Specifications. This modification consisted of the addition of 31 mechanical snubbers and the replacement of three hydraulic snubbers with mechanical snubbers to reflect the results of Design Change Packages (DCP's) 253, 305 and 408 which are discussed below.

DESCRIPTION

The purpose of DCP-253 was to re-analyze piping systems originally designed by computer codes which algebraically combined responses to seismic loads. The re-analysis was conducted in accordance with the guidance provided by the NRC Show Cause Order of March 13, 1979 which required a more conservative method of combining such responses. As a

result, two mechanical snubbers were added to the pressurizer-to-PORV piping.

The purpose of DCP-305 was to inspect and modify certain safety related piping systems as required by NRC I&E Bulletin 79-14, "Seismic Analyses for As-Built Safety Related Piping Systems". The effort resulted in the addition of 15 mechanical snubbers and the replacement of three hydraulic snubbers by mechanical snubbers on piping between the pressurizer and pressurizer relief tank (PRT).

The purpose of DCP-408 was to provide automatic isolation of the Steam Generator Blowdown and the Auxiliary Steam Line in the event of a High Energy Line Break (HELB) outside of the containment. This effort was required by NRC I&E Bulletin 79-01B. The modification resulted in the addition of several blowdown isolation valves which in turn resulted in the addition of 14 mechanical snubbers on the blowdown lines inside the containment.

EVALUATION AND CONCLUSION

The above described modifications provide the following:

1. A modified design of piping systems from pressurizer to PORV and PRT to resist loadings during seismic events which is consistent with the guidelines of the NRC Show Cause Order of March 13, 1979.
2. Adequate supports for the newly installed steam generator blowdown isolation valves to resist the pipe whip and HELP loads.

The use of snubbers to resist dynamic loadings is necessary only when large thermal displacement will not permit the use of rigid struts. Snubbers do not affect the system stress during its normal operation but will provide proper supporting to the system during dynamic events. The licensee's evaluation resulted in providing the minimum number of additional snubbers to satisfy allowable stress criteria. The requested changes to the Beaver Valley Unit 1 Technical Specifications are thus acceptable.

ENVIRONMENTAL CONSIDERATION

We have determined that the amendment does not authorize a change in effluent types or total amounts nor an increase in power level and will not result in any significant environmental impact. Having made this determination, we have further concluded that the amendment involves an action which is insignificant from the standpoint of environmental impact and, pursuant to 10 CFR §51.5(d)(4), that an environmental impact statement or negative declaration and environmental impact appraisal need not be prepared in connection with the issuance of this amendment.

CONCLUSION

We have concluded, based on the considerations discussed above, that:

- (1) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and
- (2) such activities will be conducted in compliance with the Commission's regulations and the issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public.

Date: September 6, 1983

Principal Contributor:
H. Shaw