

OCT 24 1984

Docket No.: 50-412

APPLICANT: Duquesne Light Company

FACILITY: Beaver Valley Power Station, Unit 2

SUBJECT: REVIEW CRITERIA FOR PROBABLE MAXIMUM PRECIPITATION AND FIRE SUPPRESSION IN CABLE SPREADING ROOM MEETING SUMMARY

On September 26, 1984, the staff met with representatives from the applicant to discuss the review criteria for probable maximum precipitation (PMP) and fire suppression in the cable spreading room. These issues were identified by the applicant as backfits in two letters dated May 30, 1984. The meeting was requested by the staff, and held in Bethesda, Maryland. A list of attendees is enclosed.

Issue: Probable Maximum Precipitation (PMP)

The PMP issue concerns the staff's requirement to use more recent meteorological data (Hydrometeorological Reports (HMR) 51 and 52 verses 33 referenced in the SRP (1981)) in calculating the effects of flooding on safety related structures.

Applicant comments:

- . HMR 51 and 52 are even more conservative than HMR 33, which was considered unrealistic.
- . Since the HMR 51 and 52 are considered unrealistic, they are reluctant to analyze the flooding effects using HMR 51 and 52 data because of financial constraints. The \$250,000 estimated cost does not appear to be justified.
- . Even without performing an analysis, it is evident that the BVPS-2 design would be impacted using the methodology and data imposed by HMR 51 and 52.
- . Will BVPS-1 be required to reanalyze the design against HMR 51 and 52?

Staff comments:

- . HMR 51 and 52 use a different approach in approximating PMP, and should be considered.
- . The staff is not equipped to challenge the integrity of the Corps of Engineers and National Weather Service (responsible for the issuance of HMR's) by declaring HMR 51 and 52 unreasonably conservative.

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- Presently, the staff has requested only that the new data be considered, and has not yet required any design changes. The applicant has given no response to the August 31, 1983 PMP questions.
- The Standard Review Plan states that improvements in calculational methods may occur and will be considered.

Issue: Cable Spreading Room Fire Supression

The fire suppression in the cable spreading room issue involves the staff's requirement of installing a water spray system in addition to the carbon dioxide system.

Applicant comments:

- The present system is redundant in that it has two separate carbon dioxide tanks.
- Because of the maze-like structures in the cable spreading room, gaseous carbon dioxide will contact a fire in the cable tray before the water spray.
- There is a standby fire brigade equipped with hoses for further compensatory measure.

Staff comments:

- The Browns Ferry incident indicates that water is a better fire suppressant for fires outside of the cable tray.
- Smoke often hinders the efforts of the fire brigade.
- The guidelines specifically require some type of water system, not necessarily automatic.

A decision as to whether or not these two issues qualify as backfits was not reached. Duquesne Light indicated that they would appreciate the opportunity to prepare their technical position on the issues before any decisions concerning a technical appeal were made. October 5, 1984 had been tentatively scheduled for a follow-up meeting on the issues where the agenda would include a technical presentation by the applicant.

ORIGINAL SIGNED BY

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Enclosures: As stated

cc: See next page

DL:LB#3

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10/18/84

DL:LA#5

GWKnighton

10/19/84

DL:AD/L

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10/23/84

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Enclosure

ATTENDANCE LIST

September 26, 1984

<u>Name</u>	<u>Organization</u>
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Gary L. Beatty	DLC
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W. V. Johnston	NRR/DE
R. L. Ballard	NRR/DE
R. A. Jachowski	NRR/DE
M. J. Clausen	Cmmr Zech's Office
S. H. Chesnut	Cmmr Roberts' Office
Jim Tourtellotte	RRTF
R. Gonzales	NRR/DE
T. M. Novak	NRC/NRR/DL
R. Eberly	NRC/NRR/DE
V. Benaroya	NRC/NRR/DE
R. Ferguson	MRC/NRC/DE

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MEETING SUMMARY DISTRIBUTION

Docket No(s): 50-412

NRC PDR

Local PDR

NSIC

PRC System

LB3 Reading

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bcc: Applicant & Service List