

Docket No.: 50-412

SEP 6 1984

Applicant: Duquesne Light Company, (DLC)

Facility: Beaver Valley Power Station, Unit 2, (BVPS-2)

Subject: Power Systems (electrical) Meeting Summary

On July 19, 1984, the staff met with representatives from the applicant and Stone and Webster Engineering Corporation (SWEC) to discuss power systems - electrical open items previously identified in the BVPS-2 draft Safety Evaluation Report (SER). The meeting was held in Bethesda, Maryland. A list of meeting attendees is provided in Enclosure 1.

All 18 of the power system open items were addressed (#182 - #199). The applicant presented draft responses to the issues, and then solicited a preliminary staff review. The staff's comments on the draft responses are included in Enclosure 2. Overall, the additions or modifications suggested by the staff were accepted by the applicant. Open Item #191, power removal for selected safety valves, had also been identified by the Instrumentation and Control System Branch (Open Item #67). By letter dated June 15, 1984, the applicant identified this issue as a backfit. Additional staff/applicant interaction will therefore be devoted to the resolution of this item.

In addition to discussing the open items and proposed responses, it was also mentioned that the power systems site visit would be conducted when approximately 80% of the safety-related cable is pulled.

The meeting was successful in further defining the staff's concerns and thus expediting the resolution of the open items. While the applicant was unable to accurately project a formal response submittal date, assurance was given that responses would be transmitted to the staff at the earliest possible date.

ORIGINAL SIGNED BY

Marilyn Ley, Project Manager
Licensing Branch No. 3
Division of Licensing

Enclosures: As stated

cc: See next page

DJ:LB#3	DL:LB#3	DL:LB#3
MLey/ch	MLicitra	OKnighton
9/4/84	9/4/84	9/5/84

8409190130 840906
PDR ADDCK 05000412
E PDR

Beaver Valley

Mr. Earl J. Woolever
Vice President, Nuclear Construction
Duquesne Light Company
Robinson Plaza Building, No. 2, Suite 210
PA Route 60
Pittsburgh, Pennsylvania 15205

Gerald Charnoff, Esq.
Jay E. Silberg, Esq.
Shaw, Pittman, Potts & Trowbridge
1800 M Street, N.W.
Washington, DC 20036

Mr. C. W. Ewing, Quality Assurance
Manager
Quality Assurance Department
Duquesne Light Company
P. O. Box 186
Shippingport, Pennsylvania 15077

Mr. R. J. Washabaugh
BV-2 Project Manager
Duquesne Light Company
Robinson Plaza Building No. 2
Suite 210
Pittsburgh, Pennsylvania 15205

Mr. T. J. Lex
Westinghouse Electric Corporation
Power Systems
P. O. Box 355
Pittsburgh, Pennsylvania 15230

Mr. P. Ray Sircar
Stone & Webster Engineering Corporation
P. O. Box 2325
Boston, Massachusetts 02107

Mr. Glenn Walton
U. S. NRC
P. O. 181
Shippingport, Pennsylvania 15077

Mr. Thomas E. Murley, Regional Admin.
U. S. NRC, Region I
631 Park Avenue
King of Prussia, Pennsylvania 15209

Mr. H. M. Siegel, Manager Engineering
Beaver Valley Two Project
Duquesne Light Company
Robinson Plaza Building No. 2
Suite 210
PA Route 60
Pittsburgh, Pennsylvania 15205

Zori Ferkin
Assistant Counsel
Governor Energy Council
1625 N. Front Street
Harrisburg, PA 15105

Director, Pennsylvania Emergency
Management Agency
Room B-151
Transportation & Safety Building
Harrisburg, Pennsylvania 17120

Mr. Thomas Gerusky
Bureau of Radiation Protection
PA Department of Environmental
Resources
P. O. Box 2063
Harrisburg, Pennsylvania 17120

BVPS-2 Records Management Supervisor
Duquesne Light Company
Post Office Box 4
Shippingport, Pennsylvania 15077

John A. Lee, Esq.
Duquesne Light Company
1 Oxford Centre
301 Grant Street
Pittsburgh, Pennsylvania 15279

Enclosure 1

MEETING ATTENDEES

Beaver Valley-2 Power Systems Meeting

July 19, 1984

Bethesda, MD

<u>NAME</u>	<u>ORGANIZATION</u>
G. L. Beatty	DLC Licensing
D. J. Chamberlain	SWEC Licensing
Robert M. Sibulkin	SWEC (Electrical Engineering)
Robert Matherwicz	SWEC (Electrical Engineering)
Marilyn Ley	NRC/DL/LB3
John Knox	NRC/DSI/PSB

Enclosure 2

<u>DSER Open Item #</u>	<u>DSER Section</u>	<u>NRC Comments</u>
182	8.2.2.2	Capability to open and close the breakers in the switchyard needs to be addressed.
	8.2.2.3	Schematics that show physical and electrical independence between off-site circuits should be provided.
183	8.2.2.4	Additional information stating that the onsite and offsite circuits do not have common failure modes is needed.
184	8.2.2.5	DLC must specify that they have the capability to test the load tap changer, and the testing frequency (frequency needed for tech specs).
185	8.2.3.1	Give some assurance that transients in the plant caused by periodic testing will not threaten safe operation.
186	8.3.1.1	DLC agreed to commit that if any voltages exceed the manufacturers limits, a hardware change will be made. With this, item will be reduced to confirmatory status. Results of voltage analysis will be available at PSB site visit.
187	8.3.1.3	DLC should state that the voltage will not drop below 80% during the diesel generator load sequence.
	8.3.1.5	A description of the load acceptance test is required.
	8.3.1.8	Draft response is acceptable.
	8.3.1.9	Draft response is acceptable with minor adjustment.
	8.3.1.10	Draft response is acceptable.
188	8.3.1.4	The need for an alarm indicating that the diesel generator is inoperable or not capable of starting is still questionable.

<u>DSER Open Item #</u>	<u>DSER Section</u>	<u>NRC Comments</u>
189	8.3.1.6	DLC should provide assurance that the worst case total load (4261 kw) is protected.
190	8.2.1.11	Additional compliance description is needed.
191	8.3.1.12	Item also identified by ICSB. (Open item #67) DLC is appealing the NRC review.
192	8.3.1.14	FSAR 8.3.1.1.3 was misleading. DLC will make a text change.
193	8.3.1.15	DLC will respond by referring to previously submitted information, and its applicability to this issue.
194	8.3.1.16	DLC should include an analysis of loading and design provisions.
195	8.3.1.17	Draft response presented plus a mention of cable color coding will be acceptable.
	8.3.1.18	Draft response is acceptable.
	8.3.1.19	Draft response is acceptable.
196	8.3.3.1.1	Response should include the sensor's location being below lowest Class IE device thus preventing flooding.
	8.3.3.1.2	Response should clearly state that all class IE ac and dc instrumentation, control, electrical structures and systems have been designed and qualified to operate in an environment caused by natural phenomena or have been adequately protected from its effects.
	8.3.3.1.3	A statement addressing equipment protection against internally generated missiles should be included.

<u>DSER Open Item #</u>	<u>DSER Section</u>	<u>NRC Comments</u>
	8.3.3.1.4	Fire protection of Class IE equipment needs to be included in FSAR or properly reference in Chapter 8 if it's already in Chapter 9.
197	8.3.3.3.1	Response should mention dedicated conduit and whether they can assure its existence throughout the life of the plant. Transformer test report should be included as should physical layout.
	8.3.3.3.2	Draft response is acceptable.
198	8.3.3.5	Draft response is acceptable with minor addition.
199	8.3.3.7.1 8.3.3.7.2	NRC to review draft response.

SEP 6 1984

MEETING SUMMARY DISTRIBUTION

Docket No(s): 50-412

NRC PDR

Local PDR

NSIC

PRC System

LB3 Reading

Attorney, OELD

GWKnighton

Project Manager M. Ley

JLee

NRC PARTICIPANTS

Marilyn Ley

John Knox

bcc: Applicant & Service List