



## Duquesne Light

Beaver Valley No. 2 Unit Project Organization  
S.E.G. Building  
P.O. Box 328  
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October 9, 1986

Mr. Harold R. Denton, Director  
Office of Nuclear Reactor Regulation  
United States Nuclear Regulatory Commission  
Washington, DC 20555

ATTENTION: Mr. Peter Tam, Project Manager  
Division of PWR Licensing - A  
Office of Nuclear Reactor Regulation

SUBJECT: Beaver Valley Power Station - Unit No. 2  
Docket No. 50-412  
S.E.R. Outstanding Issues Status

Gentlemen:

Attached are five current lists, as of September 23, 1986, which provide our understanding of outstanding issues. Items identified as "complete" are those for which responses have been provided and no confirmation of status has yet been received from the staff. We consider these items satisfactorily closed unless notified otherwise. In order to permit timely resolution of items identified as "complete" which may not be resolved to the staff's satisfaction, please provide a specific description of the issue which remains to be resolved. Items identified as "confirmatory" are based upon formal or informal communications or agreements with the staff. Please inform us of any disagreement of status described on the attached list.

DUQUESNE LIGHT COMPANY

By *J. J. Carey*  
J. J. Carey  
Sr. Vice President

RWR/ijr

NR/ISSUE/STATUS  
Attachments  
AR/NAR

cc: Mr. J. Beall, Senior Resident Inspector - w/attachments  
Mr. L. Prividy, Resident Inspector - w/attachments

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## ATTACHMENT 1

SAFETY EVALUATION REPORT  
REVIEW STATUS

TABLE 1.2 OPEN ISSUES

ITEM NO.	ISSUE	DLC STATUS	LETTER NO. AND DATE	RESPONSE DATE (IF NOT COMPLETE)
1.	Preservice/Inservice Testing (3.9.6)	Complete	2NRC-5-154, 12/26/85 2NRC-6-034, 04/09/86	
2.	Pump and Valve Leak Testing (3.9.6)	Complete	2NRC-6-005, 01/09/86	
3.	ICC Instrumentation (Item 11.F.2 of NUREG 0737) (4.4.7)	Closed	2NRC-5-079, 05/31/85 2NRC-6-037, 04/11/86	
4.	Preservice/Inservice Inspection Program (5.2.4.3; 5.4.2.2; 5.6)	Open	2NRC-5-154, 12/26/85	03/31/87
5.	Safe and Alternate Shutdown (9.5.1)	Open		12/15/86
6.	Management and Organization (13.1)	Under NRC Review	2NRC-6-097, 09/18/86	
7.	Cross-Training Program (13.2.1.2)	Confirmatory 45	Carey to R. M. Keller Letter 06/13/85	
8.	Emergency Preparedness Plan (13.3.3)	Closed	2NRC-5-077, 05/28/85 2NRC-6-092, 08/22/85	
9.	Initial Test Program (14)			
a.	Remote Shutdown Test	Complete	2NRC-5-110, 07/29/85 2NRC-6-066, 06/20/86	
b.	Test Acceptance Criteria	Closed	2NRC-5-110, 07/29/85	
c.	NUREG 0737 Item 1.G.1	Complete	2NRC-5-110, 07/29/85 2NRC-6-066, 06/20/86	
d.	Relief and Dump Valve Capacity Tests	Complete	2NRC-5-110, 07/29/85 2NRC-6-045, 05/06/86	
e.	Test Classification Discrepancies	Closed	2NRC-5-110, 07/29/85	
f.	Accumulator Isolation Valve Test	Complete	2NRC-5-110, 07/29/85 2NRC-6-066, 06/20/86	

<u>ITEM NO.</u>	<u>ISSUE</u>	<u>DLC STATUS</u>	<u>LETTER NO. AND DATE</u>	<u>RESPONSE DATE (IF NOT COMPLETE)</u>
	g. Condenser Hotwell Level System Test	Complete	2NRC-5-110, 07/29/85 2NRC-6-066, 06/20/86 2NRC-6-070, 06/27/86	
	h. Safety Injection Pump Test	Complete	2NRC-6-066, 06/20/86	
	i. Turbine Plant CCW Test Schedule	Complete	2NRC-6-066, 06/20/86	
10.	Control Room Design Review (18.1)	Open	2NRC-5-147, 12/02/85	01/87
11.	Safety Parameter Display System (18.2)	Complete	2NRC-5-151, 12/20/85 2NRC-6-033, 04/09/86 2NRC-6-064, 06/16/86	

## ATTACHMENT 2

SAFETY EVALUATION REPORT  
REVIEW STATUS

TABLE 1.4 CONFIRMATORY ISSUES

ITEM NO.	ISSUE	DLC STATUS	LETTER NO. AND DATE	RESPONSE DATE (IF NOT COMPLETE)
1.	Operating Procedures for Continuous Communication Links (2.2.2)	Complete	2NRC-6-078, 08/04/86 2NRC-6-091, 08/19/86	
2.	Differential Settlement of Buried Pipes (2.5.4.3.3)	Open		10/31/86
3.	Internally Generated Missiles (Outside Containment) (3.5.1.1)	Open		*
4.	Internally Generated Missiles (Inside Containment) (3.5.1.2)	Open		*
5.	Turbine Missiles (3.5.1.3)	Open	2NRC-5-157, 12/24/85	01/30/87
6.	Analysis of Pipe Break Protection Outside Containment (3.6.1)	Open		*
7.	FSAR Drawing of Break Locations (3.6.2)	Open		*
8.	Results of Jet Impingement Effects (3.6.2)	Open		*
9.	Soil Structure Interaction Analysis (3.7.3)	Closed	2NRC-5-114, 08/07/85	
10.	Design Documentation of ASME Code Components (3.9.3.1)	Closed	2NRC-6-001, 01/03/86 2NRC-6-061, 06/06/86	
11.	Item 11.D.1 of NUREG 0737 (3.9.3.2)	Complete	2NRC-5-157, 12/24/85	
12.	Seismic and Dynamic Qualification of Mechanical and Electrical Equipment (3.10.1)	Open	2NRC-6-057, 06/04/86 2NRC-6-076, 08/04/86	09/20/86



ITEM NO.	ISSUE	DLC STATUS	LETTER NO. AND DATE	RESPONSE DATE (IF NOT COMPLETE)
13.	Pump and Valve Operability Assurance (3.10.2)	Open	2NRC-6-057, 06/04/86 2NRC-6-076, 08/09/86	09/30/86
14.	Environmental Qualification of Mechanical and Electrical Equipment (3.11)	Open	2NRC-6-053, 05/23/86	10/20/86
15.	Peak Pellet Design Basis (4.2.1)	Closed	2NRC-5-132, 09/13/85	
16.	Discrepancies in the FSAR (4.2.2)	Closed	2NRC-5-132, 09/13/85	
17.	Rod Bowing Analysis (4.2.3.1[6])	Closed	2NRC-4-102, 07/12/84	
18.	Fuel Rod Internal Pressure (4.2.3.1[8])	Closed	2NRC-5-132, 09/13/85	
19.	Predicted Cladding Collapse Time (4.2.3.2[2])	Closed	2NRC-5-132, 09/13/85	
20.	Use of the Square-Root-of-the-Sum-of-the-Squares Method for Seismic and LOCA Load Calculation (4.2.3.3[4])	Closed	2NRC-4-209, 12/18/84	
21.	Analysis of Combined Loss-of-Coolant-Accident and Seismic dLoads (4.2.3.3[4])	Complete	2NRC-6-002, 01/03/86	
22.	Natural Circulation Test (5.4.7.5)	Open	2NRC-5-157, 12/24/85	12/31/86
23.	Reactor Coolant System High Point Vents (5.4.12)	Open	2NRC-5-157, 12/24/85	12/31/86
24.	Blowdown Mass and Energy Release Analysis Methodology (6.2.1.1; 6.2.1.3; 6.2.1.4)	Complete	NRR Action Only	
25.	Containment Sump 50% Blockage Assumption (6.2.2)	Open	2NRC-5-157, 12/24/85 2NRC-6-059, 06/06/86	12/31/86

ITEM NO.	ISSUE	DLC STATUS	LETTER NO. AND DATE	RESPONSE DATE (IF NOT COMPLETE)
26.	Design Modification of Automatic Reactor Trip Using Shunt Coil Trip Attachment (7.2.2.3)	Complete	2NRC-6-067, 06/23/86	
27.	Automatic Opening of Service Water System Valves MOV 113C and 113D (7.3.3.10)	Closed	Amend. 10, 05/30/85 2NRC-5-157, 12/24/85	
28.	IE Bulletin 80-06 Concerns (7.3.3.13)	Open		12/31/86
29.	NUREG 0737 Item 11.F.1, Accident Monitoring Instrumentation Positions (7.5.2.2)	Closed	2NRC-4-210, 12/18/84 2NRC-5-157, 12/24/85	
30.	Bypass and Inoperative Status Panel (7.5.2.4)	Complete	2NRC-6-038, 04/15/86	
31.	Revision of FSAR: Cold Leg Accumulator Motor-Operated Valve Position Indication (7.6.2.4)	Complete	2NRC-6-066, 06/20/86	
32.	Control System Failure Caused by Malfunction of Common Power Source or Instrument Line (7.7.2.3)	Complete	2NRC-5-141, 10/15/85 2NRC-6-054, 05/28/86	
33.	Confirmatory Site Visit			
a.	Independence of Offsite Power Circuits Between the Switchyard and Class 1E System (8.2.2.3)	Closed		
b.	Confirmatory of the Protective Bypass (8.3.1.2)	Closed		
c.	Verification of DG Start and Load Test (8.3.1.2)	Closed		
d.	DG Load Capability Qualification Test (8.3.1.9)	Closed		

ITEM NO.	ISSUE	DLC STATUS	LETTER NO. AND DATE	RESPONSE DATE (IF NOT COMPLETE)
e.	Margin Qualification Test (8.3.1.10)	Closed		
f.	Electrical Interconnection Between Redundant Class 1E Buses (8.3.1.13)	Closed		
g.	Verification of Electrical Independence Between Power Supplies to Controls in Control Room and Remote Locations (8.3.3.5)	Closed		
34.	Voltage Analysis -- Verification of Test Results (8.3.1.1)	Open		Approx. 6 Months Prior To Fuel Load
35.	Description and Analysis of Compliance with GDC 50 (8.3.3.7.1)	Open		**
36.	Completion of Plant-Specific Core Damage Estimate Procedure Before Fuel Load (9.3.2.2)	Open		12/31/86
37.	Training Program for the Operation and Maintenance of the Diesel Generators (9.5.4.1)	Open		12/86
38.	Vibration of Instruments and Controls on Diesel Generators (9.5.4.1)	Open		Fuel Load
39.	Surveillance of Lube Oil Level in Diesel Generator Rocker Arm Lube Oil Reservoir (9.5.7)	Closed	2NRC-6-029, 03/26/86	

ITEM NO.	ISSUE	DLC STATUS	LETTER NO. AND DATE	RESPONSE DATE (IF NOT COMPLETE)
40.	Solid Waste Process Control Program (11.4.2)	Open		05/15/87
41.	TMI Action Plan Items			
a.	111.D.1.1 (13.5.2)	Open	2NRC-6-080, 08/07/86	90 days prior to Fuel Loading
b.	11.K.1.5 and 11.K.1.10 (15.9.2; 15.9.3)	Complete	2NRC-5-157, 12/24/85	
c.	11.K.3.5 (15.9.9)	Open		10/31/86
d.	11.K.3.17 (15.9.11)	Complete	2NRC-5-157, 12/24/85	
e.	11.K.3.31 (15.9.14)	Complete	WCAP-10054 WCAP-10079 WCAP-11145 2NRC-6-069, 06/27/86	
42.	Plant-Specific Dropped Rod Analysis (15.4.3)	Closed	2NRC-6-030, 04/01/86	
43.	Steam Generator Tube Rupture (15.6.3)	Open	SGTR-86-001, 02/28/86	
44.	Quality Assurance Program (17.5)	Closed	2NRC-5-096, 06/28/85 2NRC-5-152, 12/20/86	
45.	Cross-Training Program	Complete	2NRC-6-073, 07/22/86	
46.	Control Room Isolation On High Radiation Signal	Open		09/20/86
47.	NRR Review of PGP for EOPs (13.5.2)	Complete	NRR Action Only	
48.	Fire Protection: Amendment 12 review and site visit	Open		01/87
49.	Steam generator high-level trip as non-protection system	Complete	2NRC-6-087, 08/12/86	
50.	Implementation letter of ICCI System	Open		TBD

\* Hazards analysis is scheduled for completion at the end of 1986 and documented in early 1987.

\*\* To be included in FSAR Amendment 13, December 1986.



## ATTACHMENT 3

SAFETY EVALUATION REPORT  
REVIEW STATUS

TABLE 16.0 TECHNICAL SPECIFICATIONS

<u>ITEM NO.</u>	<u>ISSUE</u>	<u>DLC STATUS</u>	<u>LETTER NO. AND DATE</u>	<u>REMARKS</u>
1.	Initial Draft Submittal	Complete	2NRC-4-144, 09/14/84	Awaiting NRC Action
2.	Pre-Issue Revision 1	Complete	2NRC-5-153, 12/20/85	Awaiting NRC Action
3.	Response to Request for Additional Information	Complete	2NRC-6-044, 05/06/86	Awaiting NRC Action
4.	Informal meeting with reviewer July, 1986	Complete		Awaiting NRC Action

## ATTACHMENT 4

## REQUEST FOR ADDITIONAL INFORMATION

<u>DATE</u>	<u>SUBJECT</u>	<u>DLC STATUS</u>	<u>LETTER NO. AND DATE</u>	<u>RESPONSE DATE (IF NOT COMPLETE)</u>
03/03/86	Inadequate Core Cooling	Closed	2NRC-6-037, 04/11/86 2NRC-6-075, 07/31/86	
04/03/86	ATWS	Complete	2NRC-6-063, 06/16/86	
04/22/86	RCP Trip Criteria			10/31/86
05/23/86	Control Room Isolation On High Radiation			09/31/86
06/27/86	ATWS			02/01/87
06/30/86	S.G. Level Control	Complete	2NRC-6-087, 08/12/86	

ATTACHMENT 5  
FSAR AMMENDMENTS

<u>AMENDMENT NUMBER</u>	<u>TRANSMITTAL LETTER NUMBER &amp; DATE</u>	<u>CERTIFICATION LETTER NUMBER &amp; DATE</u>
1	2NRC-3-028, 05/16/83	2NRC-3-031, 05/19/83
2	2NRC-3-043, 07/14/83	2NRC-3-050, 07/22/83
3	2NRC-3-077, 10/26/83	2NRC-3-085, 11/04/83
4	2NRC-3-096, 12/02/83	2NRC-3-100, 12/13/83
5	2NRC-4-011, 02/09/84	2NRC-4-025, 03/09/84
6	2NRC-4-048, 04/27/84	2NRC-4-054, 05/09/84
7	2NRC-4-098, 07/02/84	2NRC-4-103, 07/13/84
8	2NRC-4-154, 09/25/84	2NRC-4-161, 10/08/84
9	2NRC-4-210, 12/18/84	2NRC-4-213, 12/27/84
10	2NRC-5-075, 05/20/85	2NRC-5-087, 06/07/85
11	2NRC-6-010, 01/28/86	2NRC-6-012, 02/04/86
12	2NRC-6-066, 06/20/86	2NRC-6-068, 06/27/86