Duquesne Light Company Beaver Valley Power Station
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February 28, 1991

JOHN D. SIEBER
Vice President - Nuclear Group (412) 393-5255

U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555

Subject: Beaver Valley Power Station, Unit No. 2
Docket No. 50-412, License No. NPF-73
Incorporation of Vessel Material Surveillance Schedule Into UFSAR (TAC No. 77012)

Ref: 1) Amendment No. 18 for Facility Operating License No. NFP-73

2) WCAP-12406, Analysis of Capsule U from the Duquesne Light Company Beaver Valley Unit 2 Reactor Vessel Radiation Surveillance Program

In accordance with the requirements of Appendix H of 10 CFR 50, Duquesne Light Company requests approval of the attached BV-2 UFSAR Table 5.3-6, Reactor Vessel Material Irradiation Surveillance Schedule. Table 5.3-6 has been revised to incorporate the following changes consistent with the schedule provided in Section 7 of Reference 2:

1. The Removal Time is changed to decrease the withdrawal frequency.

2. The actual Capsule Fluence resulting from the analysis of Capsule "U" is incorporated.

Approval is required prior to the next BV-2 refueling outage, currently scheduled for March, 1992. However, if approval is obtained by April 1, 1991, this change can be incorporated into Revision 3 of the Unit 2 UFSAR.

Should you have any questions regarding this change, please contact Joe Spiegel at (412) 393-5205.

Sincerely,

J. D. Sieber
Vice President
Nuclear Group

Attachment

cc: Mr. J. Beall, Sr. Resident Inspector
Mr. T. T. Martin, NRC Region I Administrator
Mr. A. W. DeAgazio, Project Manager
Mr. R. Saunders (VEPCO)



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TABLE 5.3-6
(Proposed)

REACTOR VESSEL MATERIAL IRRADIATION SURVEILLANCE SCHEDULE

| Capsule | Vessel Location | Lead Factor | Removal Time[a] | Estimated Capsule Fluence (n/cm$^2$) |
|---|---|---|---|---|
| U | 34.3 | 2.94 | 1.24 | $5.99 \times 10^{18}$[b] |
| V | 107 | 3.17 | 6 | $3.76 \times 10^{19}$[c] |
| W | 110 | 2.74 | 12 | $6.50 \times 10^{19}$[d] |
| X | 287 | 3.17 | 18 | $11.3 \times 10^{19}$ |
| Y | 290 | 2.74 | Standby | --- |
| Z | 340 | 2.74 | Standby | -- |

a) Effective full power years from plant startup. Changes to this column will require prior NRC approval as specified in Section II.B.3, Appendix H, of 10 CFR 50.

b) Actual fluence

c) Approximate fluence at vessel 1/4 thickness at end of life (32 EFPY)

d) Approximate fluence at vessel inner wall at end of life (32 EFPY)