



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
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December 6, 1995

MEMORANDUM TO: BiWeekly Notice Coordinator

FROM: Donald S. Brinkman, Senior Project Manager *Donald S. Brinkman*  
Project Directorate I-2  
Division of Reactor Projects - I/II

SUBJECT: REQUEST FOR PUBLICATION IN BIWEEKLY FR NOTICE - NOTICE OF CONSIDERATION OF ISSUANCE OF AMENDMENTS TO FACILITY OPERATING LICENSES, PROPOSED NO SIGNIFICANT HAZARDS CONSIDERATION DETERMINATION, AND OPPORTUNITY FOR A HEARING (TAC NOS. M94036 and M94037)

Duquesne Light Company, et al., Docket Nos. 50-334 and 50-412,

Beaver Valley Power Station, Unit Nos. 1 and 2, Shippingport, Pennsylvania

Date of amendment request: November 6, 1995

Description of amendment request: The proposed amendment would revise the alarm setpoints for the noble gas and in-containment high range area radiation monitors listed in Table 3.3-6 of Beaver Valley Power Station, Unit 1 Technical Specification (TS) 3.3.3.1. The proposed revisions would make these alarm setpoints consistent with the criteria in the Emergency Action Levels (EALs) which were revised and approved by the NRC in August 1994. The revised EALs use the noble gas radiation monitors as indications of effluent releases and are based on dose to the public. The revised EALs use the in-containment high range area radiation monitors as indication of fission product barrier challenges or failures rather than as indications of effluent release.

The proposed amendment would also revise Action Statement 36 of Table 3.3-6 of TS 3.3.3.1 for both BVPS-1 and BVPS-2 to reflect a previously approved change in reporting frequency for effluent releases. BVPS-1 License Amendment No. 188 and BVPS-2 License Amendment No. 70 (both issued

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on June 12, 1995) approved a change in the reporting frequency for effluent releases from semi-annual to annual. The proposed change would make Action Statement 36 consistent with this previously approved change.

Basis for proposed no significant hazards consideration determination: As required by 10 CFR 50.91(a), the licensee has provided its analysis of the issue of no significant hazards consideration, which is presented below:

1. Does the change involve a significant increase in the probability or consequences of an accident previously evaluated?

The proposed monitor alarm setpoint changes and editorial changes are administrative in nature. Should the radiation alarm fail to annunciate or give a false alarm, there would be no affect on any other plant equipment or systems. The noble gas monitors are not safety related and do not interface with any safety related system. The containment area monitors are safety related; however, they do not initiate any safety function, nor do they interface with any other safety related system.

The monitors' alarm as a visual (lighted icon) and audible alarm in the control room. The operator is then responsible for taking any corrective actions necessary, based on the alarm and Emergency Action Level (EAL) guidelines. The monitors do not provide for any automatic actions of other equipment or systems when an alarm condition occurs.

The operating and design parameters of the radiation monitors will not change. The proposed change affects only the radiation level at which an alarm condition is created and does not affect any accident assumptions or radiological consequences of an accident.

Therefore, the proposed change will not involve a significant increase in the probability or consequences of an accident previously evaluated.

2. Does the change create the possibility of a new or different kind of accident from any accident previously evaluated?

The proposed radiation monitor alarm revisions cannot initiate a new type of accident. A failure of the monitor itself cannot serve as the initiating event of an accident and has no effect on the operation of a safety system. Operator action is not made solely on a radiation monitor alarm; other plant condition indicators are also evaluated.

Therefore, the proposed change does not create the possibility of a new or different kind of accident from any accident previously evaluated.

3. Does the change involve a significant reduction in a margin of safety?

The referenced radiation monitoring channels have no capability to mitigate the consequences of an accident. Also, they do not interface with any safety related system. The containment area monitors are safety related channels which provide indication to the operator of the integrity of the fission product barriers in containment. This indication, combined with other indications of plant conditions may direct an operator to take action to mitigate the consequences of an accident. The alarm setpoint itself does not perform any specific safety related function and the trip value is not referenced in the Updated Final Safety Analysis Report (UFSAR), nor does any site design basis document take credit for this setpoint. Safety limits and limiting safety system settings are not affected by this proposed change. Also, the site will continue to meet the requirements of 10 CFR Part 100 which limits offsite dose following a postulated fission product release.

Therefore, use of the proposed technical specification would not involve a significant reduction in the margin of safety.

The NRC staff has reviewed the licensee's analysis and, based on this review, it appears that the three standards of 10 CFR 50.92(c) are satisfied. Therefore, the NRC staff proposes to determine that the amendment request involves no significant hazards consideration.

Local Public Document Room location: B. F. Jones Memorial Library, 663 Franklin Avenue, Aliquippa, Pennsylvania 15001.

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NRC Project Director: John F. Stolz

original signed by D. Brinkman

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