



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

November 23, 1979

Docket No. 50-334

REGULATORY DOCKET FILE COPY

LICENSEE: Duquesne Light Company

FACILITY: Beaver Valley, Unit No. 1

SUBJECT: SUMMARY OF NOVEMBER 16, 1979 PHONE CONVERSATION REGARDING LESSONS
LEARNED IMPLEMENTATION

During a phone conversation on November 16, 1979 the NRC Lessons Learned Implementation Team discussed with the licensee, its October 22, 1979 response to our September 13, 1979 letter.

The team informed the licensee of those lessons learned items for which the licensee's proposed schedule for implementation is unacceptable. These items, along with the proposed and required completion dates, are listed in Enclosure 1.

The team informed the licensee of those items for which the proposed action does not appear to comply with the lessons learned requirement. These items and their associated deficiencies are listed in Enclosure 2.

The team also informed the licensee of those items for which further clarification of the licensee's commitment is necessary to demonstrate compliance with the lessons learned requirements. These items and the associated team questions are listed in Enclosure 3.

Items 2.1.3.b (Instrumentation for Detection of Inadequate Core Cooling) (Procedures only), 2.1.7.a (AFW Initiation), 2.1.7.b (AFW Flow), and 2.1.9 (Accident and Transient Analysis) were not discussed since these items are being implemented by the Bulletins and Orders Task Force.

By letter dated October 30, 1979 we provided additional clarification of the lessons learned requirements to all licensees. We also requested that within 15 days licensee's justify proposed actions not in complete agreement with the staff's requirements and improve the implementation schedule where it differed from the staff's requirements. During this phone conversation we informed the licensee that those items listed in Enclosure 1 and 2 should be addressed in their response. In addition, the licensee agreed to provide the information requested in Enclosure 3 in its response to our October 30, 1979 letter or as soon thereafter as possible.

A handwritten signature in cursive script, reading "Dave Wigginton".

Dave Wigginton, Project Manager
Operating Reactors Branch No. 1
Division of Operating Reactors

Enclosure (3):
As Stated

cc w/enclosure: See next page

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November 23, 1979

Meeting Notice for Beaver Valley, Unit No. 1

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ENCLOSURE 1

BEAVER VALLEY, UNIT NO. 1

ITEMS THAT DO NOT MEET LESSONS LEARNED
IMPLEMENTATION SCHEDULE

1. SECTION 2.1.3.a - Direct Valve Position Indication
2. SECTION 2.1.3.b - Instrumentation for Detection of Inadequate Core Cooling
3. SECTION 2.1.6.a - Systems Integrity
4. SECTION 2.1.6.b - Shielding Review
5. SECTION 2.1.8.a - Post-Accident Sampling

The detailed requirements concerning the staff's position on items 1 through 5 are contained in NUREG-0578 and in the October 30, 1979 Harold R. Denton letter to all operating nuclear power plants. These requirements should be reviewed in detail and should be included in DLC's commitment and in its implementation of the item. Those items required to be completed by January 1, 1980 in the September 13, 1979 Darrell G. Eisenhut letter to all operating nuclear power plants will be required to be completed prior to restart of Beaver Valley after the expected December 1979 shutdown unless otherwise noted.

The required implementation date of January 1, 1981 on the remainder of the items remains fixed.

6. SECTION 2.1.8.b - Increased Range of Radiation Monitors

The in-containment and effluent high-range monitors are required to be functional by January 1, 1981. If this implementation is complete prior to your plant restart, interim procedures will not be necessary.

7. SECTION 2.2.2.B - Onsite Technical Support Center

DLC was reminded that the required schedule for completion of the permanent onsite technical support center is January 1, 1981. DLC's commitment to establish this center should be directed to establishing the center within this time frame on detailed justification of not meeting the schedule should be provided as discussed in the October 30, 1979 Harold R. Denton letter to all operating nuclear power plants.

8. Containment Monitors

The containment pressure, hydrogen concentration, and water level monitors should be installed by January 1, 1981.

ENCLOSURE 2

BEAVER VALLEY, UNIT NO. 1

ITEMS THAT DO NOT CONFORM TO LESSONS LEARNED REQUIREMENTS

1. Reactor Coolant System Vents

DLC indicated that it will make a firm decision on installation of reactor coolant system vents based on conclusions reached as a result of analysis on detection of inadequate core cooling. The staff pointed out that this analysis will not directly address the advisability of installing the vents or not installing the vents. The staff position is that the vents should be installed in order to provide the capability to vent hydrogen and non-condensable gases if these degraded core cooling conditions are reached.

2. SECTION 2.1.4 - Containment Isolation Provisions

In order to be in full compliance with the NRC position on containment isolation (Section 2.1.4 of NUREG-0578), compliance with the following positions should be addressed by January 1, 1980:

- a) Identify essential and non-essential systems and provide the results to the NRC. The basis for classifying systems as essential should also be provided.
- b) Non-essential systems should be automatically isolated by containment isolation signals.
- c) Resetting of containment isolation signals shall not result in the automatic loss of containment isolation.

ENCLOSURE 3

BEAVER VALLEY, UNIT NO. 1

ITEMS REQUIRING FURTHER CLARIFICATION

1. SECTION 2.1.1 - Emergency Power Supply Requirements for Pressurizer Heaters, PORV's Block Valves and Level Indicator Instruments

DLC's responses to this items of NUREG-0578 was not in sufficient detail to determine whether or not DLC will satisfy the requirements of the positions. DLC is requested to clarify its response by addressing the specifics of the positions as identified under section 2.1.1 of NUREG-0578.

2. SECTION 2.1.5a - Dedicated Hydrogen Penetrations

- a. Provide information to demonstrate that the recombiner penetration is single-failure proof for containment isolation purposes and single-failure proof for operations of the recombiner system
- b. Provide information to demonstrate that the recombiner penetration is sized such that the flow requirements for the use of the recombiner are satisfied.
- c. The requirements of General Design Criterion 54 and 56 of Appendix A to 10 CFR 50 should be satisfied for the recombiner system.

3. SECTION 2.1.5c - Recombiner Procedures

DLC should review and upgrade, as necessary, those criteria and procedures dealing with recombiner use.

4. SECTION 2.1.8c - Improved Iodine Instrumentation

The adequacy of the Beaver Valley system, including training and procedures, must be justified. The use of attached single channel analyzers to discriminate against noble gases and high background radiation levels appear appropriate. Also by January 1, 1981 provisions should be made for flushing sample cartridges with clean gas and counting the cartridges in a low-backbroung area.

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