



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

October 31, 1989

NOTE TO: D. Lanham, Document Control Desk
FROM: H. Smith, NRR
SUBJECT: ROBERT LICCIARDO DPV CONCERNING ZION (TAC 73427)

Enclosed is a chronology (Enclosure 1) related to the Licciardo DPV dated May 11, 1989, concerning containment isolation valves at Zion. Enclosure 2 is NRR's records associated with the DPV. Please make the chronology and documents available for public display via NUDOCS. Contact me on x21287 if additional information is needed.

HS
H. Smith, NRR

Enclosures:

1. Chronology - R. Licciardo DPV
2. NRR records related to the DPV, as listed on Enclosure 1

cc w/Encl. 1:

T. Murley
J. Sniezek
F. Gillespie
F. Miraglia
E. Rossi
F. Congel
S. Varga
G. Holahan
A. Thadani
J. Richardson
R. Jones
L. Marsh
C. McCracken
C. Patel
J. Larkins
V. Wilson
R. Licciardo

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CHRONOLOGYRobert LicciardoDPV Concerning Containment Isolation Valves at ZionTAC No. 73427

<u>Item No.</u>	<u>Date</u>	<u>Description</u>
1.	5/11/89	Memorandum from R. Licciardo to T. Murley, subject: <u>Differing Professional View (DPV) Concerning (a) Issuance of SER to Zion 1 and 2 allowing fuel-power operation with open 42" containment isolation valves; (b) methodology used for calculating related offsite doses.</u>
2.	5/18/89	Memorandum from T. Murley to R. Licciardo acknowledging that on May 12, 1989, the Director's Office received his DPV dated May 11, 1989. Note that this memorandum also requests a listing of persons Mr. Licciardo would like to be considered for the third and alternate members for the Standing Review Panel.
3.	5/25/89	Memorandum from R. Licciardo to T. Murley, nominating S. Varga, F. Congel and G. Holahan to consider as third and alternate members of the Standing Review Panel.
4.	5/26/89	Memorandum from T. Murley to F. Miraglia, C. E. Rossi, and F. Congel stating that they have been designated the panel to review and recommend to the Director, NRR, the appropriate disposition of Mr. Licciardo's DPV.
5.	6/2/89	Memorandum from F. Miraglia to R. Licciardo acknowledging that the Standing Review Panel has determined that adequate information has been supplied to initiate a review of the DPV.
6.	6/23/89	Memorandum from F. Miraglia to R. Licciardo acknowledges meeting held on June 16, 1989, and the Panel's request for the following information: (1) request that Mr. Licciardo more clearly state his concern regarding the time to fuel failure used in LOCA analyses; (2) request that Mr. Licciardo clarify the mechanisms for transporting fission products from the

primary to containment used in Mr. Licciardo's analyses; and (3) request that he provide his view as to the safety significance of proceeding with the proposed Zion amendment and the safety significance of his concern regarding LOCA analyses.

7. 6/30/89 Memorandum from R. Licciardo to F. Miraglia stating that the information requested by memo from F. Miraglia dated 6/23/89 will be provided by July 17, 1989.
8. 7/14/89 Memorandum from R. Licciardo to F. Miraglia stating when his response would be submitted.
9. 7/14/89 Memorandum from R. Licciardo to F. Miraglia advising that information provided by his memorandum dated June 30, 1989 will be submitted by July 20, 1989. (This memo corrects date by which Mr. Licciardo plans to submit his response).
10. 7/20/89 Memorandum from R. Licciardo to F. Miraglia transmitting information requested on June 23, 1989.
11. 7/21/89 Memorandum from F. Miraglia to R. Licciardo enclosing a chronology containing status information on the DPV concerning containment isolation valves at Zion.
12. 7/27/89 Note from F. Miraglia to A. Thadani stating that the Standing Review Panel requires information that will provide a technical rationale for time to fuel damage from onset of LOCA in Appendix K analysis.
13. 8/21/89 Memorandum from N. Lauben, RES, to M. W. Hodges providing comments on the DPV concerning early blowdown cladding rupture during a large break LOCA.
14. 8/22/89 Memorandum from R. Licciardo to F. Miraglia commenting on the 8/21/89 memo from N. Lauben to W. Hodges.
15. 8/22/89 Note from F. Miraglia to H. Smith regarding a telephone call from R. Licciardo pertaining to his concerns about staff analysis submitted to the panel.
16. 8/25/89 Memorandum from R. Jones to A. Thadani pertaining to R. Licciardo's 8/22/89 memo questioning the adequacy of Lauben's analysis.

17. 8/29/89 Note from A. Thadani to F. Miraglia enclosing memo dated 8/25/89 from R. Jones to A. Thadani as a response to note dated 8/22/89 to A. Thadani from F. Miraglia.
18. 8/31/89 Memorandum from DPV Standing Review Panel (F. Congel, E. Rossi, and F. Miraglia) to T. Murley, which consists of the Panel's recommendation regarding the Licciardo DPV. The following documents are enclosed:

Reference 1 - "Management of Response to Oversight Committee Regarding DPV of R. Licciardo dated May 11, 1989."

Reference 2 - Background Information Related to Differing Professional View, (a) Zion SER and (b) Methodology used for calculating related offsite doses (included: Branch Technical Position CSB 6-4 and NUREG-0800, Section 4.2, Fuel System Design).

Reference 3 - Memorandum to F. Miraglia from R. Licciardo dated 7/20/89 enclosing an Evaluation of the Criteria for and the Calculations of Offsite Doses Deriving from Open Containment Purge Valves During a LOCA at Zion units 1 and 2.

Reference 4 - Note to F. Miraglia from A. Thadani dated 8/11/89 responding to F. Miraglia's note dated 7/27/89 requesting technical rationale for time to fuel damage from the onset of a LOCA in the Appendix K analysis; enclosed:

Memorandum dated 8/10/89 from W. Hodges to A. Thadani.

Reference 5 - Note dated 8/24/89 from A. Thadani to F. Miraglia enclosing correspondence that provides revised analyses to recognize higher linear heat generation rates from Zion (enclosed: 8/23/89 note from W. Hodges to A. Thadani, 8/21/89 memo from N. Lauben to W. Hodges).

Reference 6 - Note dated 8/29/89 from A. Thadani to F. Miraglia enclosing a note dated 8/25/89 from R. Jones to A. Thadani as a response to F. Miraglia's note dated 8/22/89.

Listing of Memoranda

19. 9/13/89 Memorandum from T. Murley to R. Licciardo consisting of his conclusions pertaining to the DPV regarding Zion containment isolation valves.

20. 9/19/89 Memorandum to A. Thadani from F. Miraglia requesting that the following action be taken as required by T. Murley's 9/13/89 memorandum regarding Licciardo's DPV.