

March 79

①

N. J. Palladino Activities on TME
Industrial Advisory Group

Mon 4/2/79 Participated in general discussion of broad-
subjects to be addressed and subtask groups to
be organized: RHR, Secondary System,
Primary System, & Natural Convection as
cooling methods. I was assigned to
Primary system group.

Worked with primary system group to
develop bleed and feed mode for core cooling
using HPIS. (GROUP C)

Participated in briefing by John MacMillan,
John Montgomery and George Kutznick from B+W.

Participated in discussion meeting held by
Herman Drechamp on planning to get from where
we are to long-term cooling.

Tues 4/3/79 Participated in briefing on status of plant
at 9:00 am.

Worked with Fred Stern on looking at items
that may be needed for long term cooling,
particularly with regard to upgrading RHR.

At Stern's request, prepared simplified
sketch of present RHR and converted
demineralizer system.

Started to work on decay characteristics
of gas samples taken from containment
and from waste tank B. Called M. A. Schmitt

7905230485

166 101

at Penn State to discuss and comparison of approach.

Participated in briefing by Peter Keaton ^{at 6:00pm} regarding proposed plan for going to low pressure. Critique ensued with many comments on some aspects of the proposal particularly with regard to the proposal for holding static pressure on the system - looking modes priorities of P&ID panel.

Participated in discussion on proposal of RHR Group under Ylanculo (Group A)

Wed 4/4/79 Completed the design curves for gas samples taken from containment + Waste Tank B.

Participated in B+W briefing and critique on core cooling, particularly solid P.S + Sea-S natural circulation - 11:30 am - 2:00 pm.

Participated in briefing by R. Keaton on nothing to bad concept of explosion in P.V. due to H₂

Received new assignment to prepare degradation scenarios and recommend if cooling mode priorities would change. Worked with group to prepare this evaluation. (Palladio, Menoch, Ylanculo, Lynch)

Participated in discussion with V. Stelo + 2 on organization regarding work of the advisory group

Thur 4/5/79 - Participated in briefing by Thompson on revised organizational structure to handle flow of technical recommendations and Technical and management decisions - Relationship of Industrial Advisor Group was identified.

N. Palladini Activities

(3)

Thur 4/5/79 (cont'd)

Worked with Karpow & Holman for awhile on reconstruction of events and effects on core.

Received new assignment to participate in group to study the relative safety of alternate cooling modes. Since other members of group had other parallel assignments, I started this alone, periodically working with Martin.

Fri 4/6/79

Participated in review of proposed RHR modification design by Westergaard with Tom Johnson.

Completed review of relative safety of alternate cooling modes.

Left to return to State College at 6:10 pm.

Sat 4/7/79. Returned to Bldg 26 about 4:00 pm. Met with Steve Fawcett and Rod Wright of ACRS staff - to discuss events that led to the severity experienced as well as the work of the advisory group and some of the results of their work.

166 103

Sunday 4/18 Worked on trying to estimate decay heat as of 8 to 10 days after shutdown on the basis that noble gases were vented after 2 hours following shutdown - talked B+W and G. Kellogg - probably quite complicated
Helped estimate fission product cooling mode using open vent in pressurizer and outflow also in the P.S. This mode also proposes use of level tanks on core flood tank nitrogen line

Participated in discussion with Herdend, Severn, Denton, Bill Lee on proposed cooling modes and considerations involved in their implementation

Developed preliminary thoughts on lessons learned as a result of the TMI accident