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MEMORANDA (excl. Comm. Hear., Ins., etc.)
JUNE 1978 thru APR 1980



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

APR 28 1980

Docket Nos: 50-247
50-286
50-295
50-304

MEMORANDUM FOR: Themis P. Speis, Chief, Advanced Reactors Branch, DPM

FROM: James F. Meyer, Advanced Reactors Branch, DPM

SUBJECT: FORTHCOMING TECHNOLOGY MEETINGS WITH ZION AND INDIAN POINT UTILITIES ON MITIGATION FEATURES FOR CORE MELT ACCIDENTS (MEETINGS 1 AND 2 OF 5 MEETING SERIES)

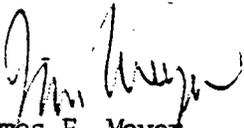
DATE & TIME: Wednesday and Thursday, May 7 and 8, 1980 starting each day at 8:30 a.m.

LOCATION: Edison Building
Room 650C (6th floor)
72 W. Adams Street
Chicago, Illinois 60690

PURPOSE: Technology exchange in area of Accident Sequences and Related Phenomena (In-vessel and Ex-vessel) as described in April 10, 1980 letter, Schwencer, NRC to L. Peoples, Commonwealth Edison Company

AGENDA: Attached

PARTICIPANTS: Commonwealth Edison Company
Power Authority of the State of New York
Consolidated Edison Company
Utility Contractors & Consultants
NRC Staff
NRC Contractors & Consultants


James F. Meyer
Advanced Reactors Branch
Division of Project Management

Enclosure:
Agenda

cc: See attached list

MEETING #1 - CORE MELT ACCIDENT SEQUENCES FOR ZION/INDIAN POINT

AGENDA - MAY 7, 1980

<u>TIME</u>	<u>SUBJECT</u>
8:30a	Introductory Comments: NRC staff and Z/IP utilities
8:50a	Selection of Representative and Enveloping Sequences
9:20a	Evolution to Meltdown
9:50a	MARCH Code: Summary of modeling, assumptions, limitations; Prediction of In-vessel Accident Progression
10:40a	In-vessel Debris Bed Cooling* (Definition of Assumptions Only)
10:50a	BREAK
11:00a	Mechanisms for Introducing Water into Vessel for Various Sequences and Impact on Further Accident Evolution
11:20a	Progression of the Radiological Source Term (release rates)
11:50a	Containment Pressure Loadings prior to Reactor Vessel Failure
12:20p	LUNCH
1:20p	Vessel Failure Modes (exclusive of Steam Explosion Modes)
1:50p	MARCH Prediction of Ex-vessel Sequence (including "pressure spike")
2:20p	Effects of Water in Reactor Cavity* (Definition of Assumptions only)
2:40p	Ex-Vessel Debris Bed Coolability* (Definition of Assumptions only)
3:00p	Base Mat Penetration* (Definition of Assumptions only)

*Topics will be discussed on May 8 in detail

<u>TIME</u>	<u>SUBJECT</u>
3:20p	CORRAL (or other) Predictions of Radiological Source Term and Aerosol Loading of Containmentment
4:00p	BREAK
4:15p	Potential ECCS Interactions
4:30p	Containment Loading Histories, (P(t), T(t), A(t), ST(t), H ₂ (t)) and unknowns and uncertainties associated with Histories
5:45p	Adjournment

MEETING #2 CORE-MELT ACCIDENT PHENOMENOLOGY FOR ZION/INDIAN POINT

AGENDA - MAY 8, 1980

TIME

SUBJECT

8:30 a	Summary of May 7th Meeting
9:00 a	Steam Explosion Phenomenology and Effect on Accident Sequences
10:15 a	BREAK
10:30 a	In-vessel and Ex-vessel Debris-Bed Coolability
12:00 n	LUNCH
1:00 p	Base Mat Penetration
2:15 p	Phenomenology Associated with "pressure spike"
3:30 p	BREAK
3:45 p	Concluding Discussions: Areas of Further Research, Unknowns & Uncertainties
5:15 p	Adjournment

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