

MAY 12 1988

Docket No. 50-423

LICENSEE: Northeast Nuclear Energy Company (NNECo)

FACILITY: Millstone Nuclear Power Station, Unit 3

SUBJECT: SUMMARY OF MEETING TO DISCUSS THE SAFETY PARAMETER DISPLAY SYSTEM (SPDS) (TAC NO. 65805)

On April 25, 1988, representatives of the staff and NNECo met to discuss the NNECo's plan to provide a continuous display of certain SPDS variables, i.e., Containment Hydrogen Concentration and Post-LOCA Cooling Variables. The highlights of the discussion are summarized as follows:

1. A containment hydrogen (H₂) status display will be added to the Containment Status Tree (CST); however, it will be independent of the existing CST. The H₂ display will be either green or yellow status when the containment hydrogen concentration is greater than 1%. The yellow status will indicate on the top level containment display.
2. A post LOCA top level display will be added. The Radiation Release and Post LOCA display will share the space now used for the Radiation Release top level display. A Post LOCA cooling status tree will be added. The tree will terminate in green or yellow status. The yellow status will indicate on the top level display.

Enclosure 1 includes a list of attendees and the NNECo's presentation.

"ORIGINAL SIGNED BY:"

Robert L. Ferguson, Project Manager
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Enclosure:
As stated

cc w/enclosure:
See next page

DISTRIBUTION

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JStolz	NRC Participants
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OGC-WF	HBClayton(RI)

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05/12/88

PM:PDI-4
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for 05/12/88

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Millstone Nuclear Power Station
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SAFETY PARAMETER DISPLAY SYSTEM MEETING

ATTENDANCE LIST

<u>Names</u>	<u>ORGANIZATION</u>
R. L. Ferguson	NRR
F. R. Orr	NRR
Joel Kramer	NRR/HFAB
R. G. Joshi	NU Licensing
Davis McDaniel	Millstone 3 Engineering
Keith Jensen	Millstone 3 Engineering

MILLSTONE UNIT 3

NRC/NNECO MEETING ON SPDS

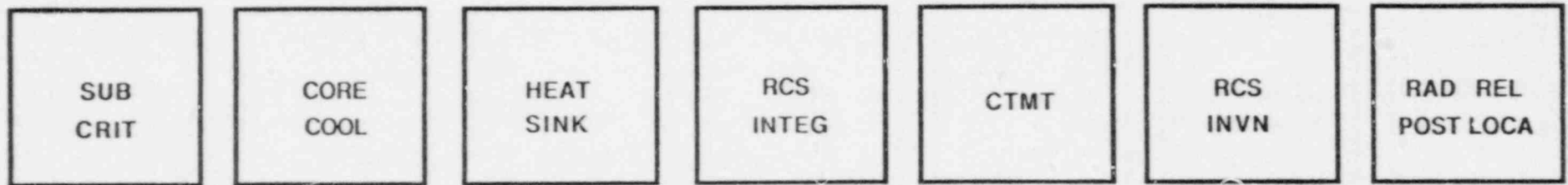
APRIL 25, 1988

Location: White Flint Building, Room # 14B13
Rockville, Maryland

Agenda

- ° Introduction
- ° Discussion on the Results of Evaluation Regarding
 - Containment Hydrogen Concentration
 - Post-Loca Cooling Variables
- ° Implementation Schedule
- ° Conclusions

SPDS TOP LEVEL DISPLAY



- THIS IS THE NORMAL " TOP LEVEL " DISPLAY
AT THE BOTTOM OF THE SCREEN
- " POST LOCA " HAS BEEN ADDED TO THE
" RAD REL " BOX

SPDS

CONTAINMENT MENU

CSF
STATUS TREE

STATUS TREE
VARIABLES

CONTAINMENT
H₂

-- NO CHANGES FROM CURRENT DISPLAY

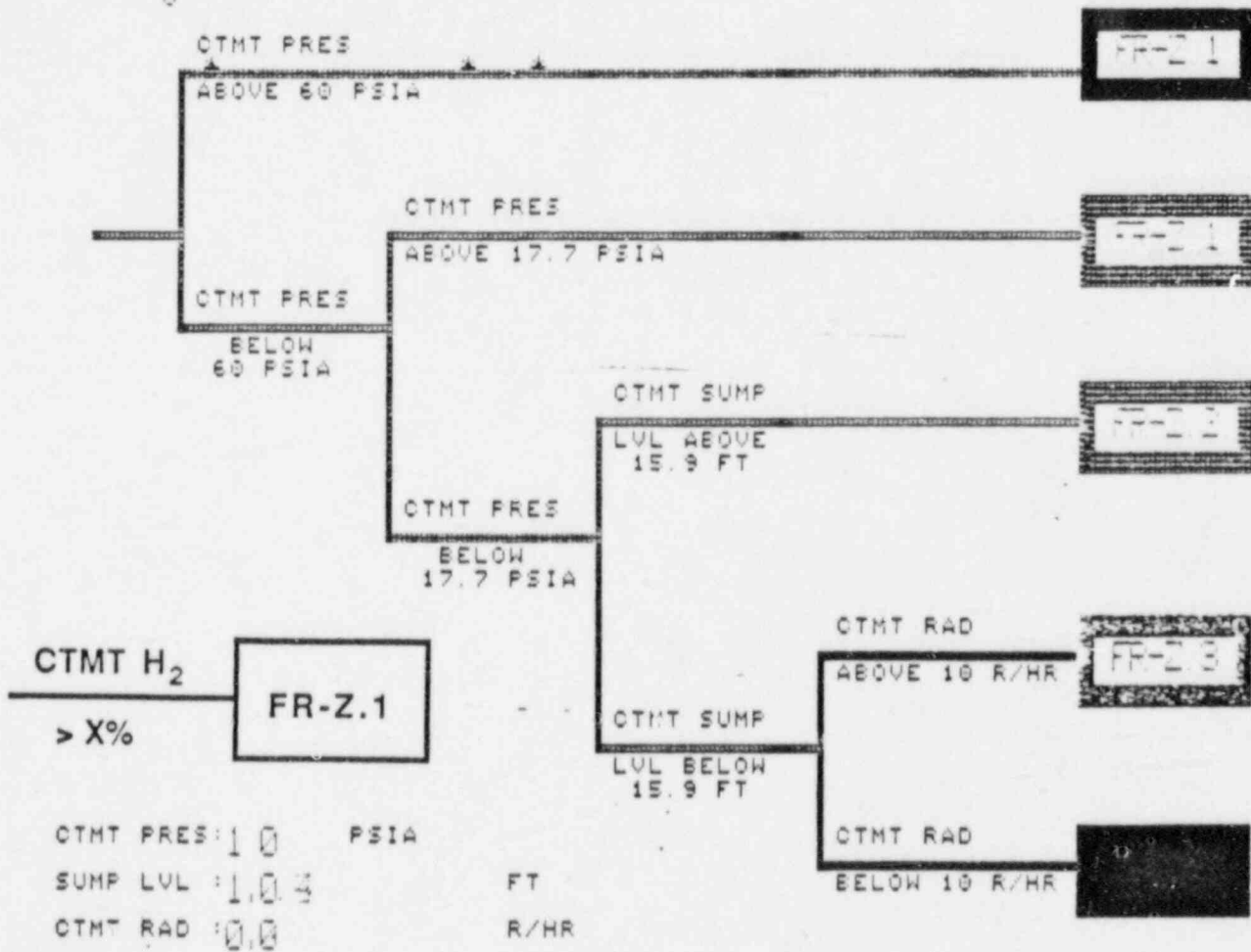
CTMT

STATUS TREE

- A CTMT HYDROGEN STATUS DISPLAY WILL BE ADDED TO THE TREE (SEE NEXT PAGE)
- THE H₂ DISPLAY WILL NOT "TIE IN" TO THE EXISTING TREE
- THE H₂ DISPLAY WILL BE EITHER GREEN OR YELLOW
- YELLOW STATUS WHEN CTMT H₂ CONCENTRATION > X%
- YELLOW STATUS WILL DIRECT OPERATORS TO FR-Z.1 ("RESPONSE TO HIGH CTMT PRESSURE")
- YELLOW STATUS WILL INDICATE ON TOP LEVEL DISPLAY

9: 17: 38

CTMT



CTMT SENSOR DATA

-- THIS DISPLAY WILL NOT CHANGE (SEE NEXT PAGE)

CTMT SENSOR DATA

CTMT PRES (PSIA)

NARROW RANGE

DATA	SENSOR
10	LMS P934
10	P935
10	P936
10	P937

WIDE RANGE

DATA	SENSOR
10	LMS P24A
10	P24B

CTMT SUMP LVL (FT)

DATA	SENSOR
1.02	RSS L22A1
1.05	L22B1

CTMT RAD (R/HR)

DATA	SENSOR
1.1	RMS RE04
1.1	RE05

CONTAINMENT HYDROGEN

-- THIS DISPLAY WILL NOT CHANGE (SEE NEXT PAGE)

CONTAINMENT HYDROGEN

CONTAINMENT	H ₂ %	TRAIN A	0.00969
CONTAINMENT	H ₂ %	TRAIN B	0.01469

RADIATION RELEASE/POST LOCA COOLING MENU

RAD REL
CSF
STATUS TREE

RAD REL
STATUS TREE
VARIABLES

POST LOCA
COOLING
CSF
STATUS TREE

POST LOCA
COOLING
STATUS TREE
VARIABLES

- ACCESSED BY " RAD REL / POST LOCA " KEY
- PLC KEYS HAVE BEEN ADDED
- RAD REL KEYS HAVE BEEN REWORDED

POST LOCA COOLING

STATUS TREE

- WILL AUTO INITIATE BASED ON RWST LEVEL AND CTMT SUMP LEVEL
- LOGIC NOT FINAL, BUT DECISION PARAMETERS WILL LIKELY BE
 - RWST LEVEL
 - CTMT SUMP LEVEL
 - RSS PUMP BREAKER STATUS
 - RSS DISCHARGE PRESSURE
 - SWP FLOW TO RSS HEX
- TREE WILL TERMINATE IN GREEN OR YELLOW STATUS
- 'YELLOW' STATUS WILL DIRECT OPERATORS TO ES-1.3
("TRANSFER TO COLD LEG RECIRC")
- 'YELLOW' STATUS WILL INDICATE ON TOP LEVEL DISPLAY

POST LOCA COOLING

SENSOR DATA

- WILL INCLUDE ALL THE ALREADY EXISTING PARAMETERS ON THE CURRENT PLC DISPLAY (SEE NEXT PAGE)

- MORE PARAMETERS WILL BE ADDED

- THE CURRENT PLC DISPLAY WILL BE REMOVED FROM CORE COOLING

