

PDR



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

MAY 31 1979

Note to: Distribution

From: Roger J. Mattson

Subject: MEETING MINUTES FOR L² ON TMI-2

D. Ross and his task force gave status on bulletin responses from B&W, CE and W. B&W responses were reasonable; CE were not quite as good. W customers did not pass on to us what W gave to them. Many responses were inadequate or incomplete or incorrect. Ross plans to deal with W and ultimately all the utilities through owners groups. There will be a meeting tomorrow in P-110/114 with W and 19 of its owners.

W and CE are being required to respond to the Michelson report in the same manner as B&W.

W will be told to simulate reactor behavior for various small breaks.

In interim, NUREG-0560 has been sent to all plants. The Division of Technical Information and Document Control is issuing a chronological list of all TMI documents to date. W. Minners is working on a master index.

New requirements flowing from TMI-2 need to be summarized in one place - Conran's list of completed actions will do this, eventually.

At least one of D. Ross' people will attend each L² meeting (Heltemes designated).

There was a meeting with the Commission on 5/19 discussing the feedback of operating experience of auxiliary systems and what to do with LERs. A Commission paper should be going down with recommendations and actions taken sometime this week. The Commission will probably act on it within the next two weeks. D. Davis (DOR) was Director of task force. He summarized the conclusions of the study and left a copy of the task force report for distribution to the task force.

R. Mattson passed out two-page summary of L² function and a subject category list of 12 areas of function description (enclosed). He asked that L² members:

1. look at category list identified and enlarge descriptions to cover scope of things you think should be included.
2. take their individual list and characterize it by some broad headings. Make them fit under the 12 categories.

10
7907110258.

332 240

After receipt of completed material, Minners will prepare a memo from Mattson to Denton giving him the status of what the task force is doing with copies to IE, NRR managers, RES, and SD.

By Wednesday, COB, May 30, 1979, L² staff is to provide an annotated version of subject categories to W. Minners.

B. Cudlin will be assigned #11 - Policy.

It will take two to three weeks trying to get everything catalogued. H. Silver is to complete the description of new OL licensing requirements by 6/15/79, based on input from L² members.

ACRS wants quantitative reactor safety criteria (*needs discussion at Office Director level*).

Need for changes in NRR emergency preparedness program to be coordinated with L² task force (concurrence). Mattson will get additional person from DSE to work on L² task force. He would serve as contact for work done on emergency preparedness requirements.

Holman will research who are the proper policy people at FAA for discussions with L², e.g., M. Carbon counterpart of NTSB and H. Denton counterpart of FAA.

Concerning auxiliary feedwater systems, Ross' people may be doing everything needed in this area; C. Long will coordinate. Mat Taylor will be asked to come to our meeting on Monday, June 4 to discuss auxiliary feedwater studies and general fault tree studies of TMI-2. R. Tedesco was assigned to contact Taylor.

H. Silver, T. Telford, and L. Chandler are only 3 people working on L² less than full-time, but as of 6/1/79, Telford and Silver will be full-time.

By Monday's L² meeting, will know whether we have secured P-500 exclusively for the task force.

A summer intern will be in to help with catalogue updates.

J. Conran has responsibility for keeping an up-to-date list of completed actions post-TMI-2.

Summary descriptions of work in progress should be kept in catalogue and updated every two weeks - decision later on formalities. If you have any suggestions for changing form, contact W. Minners as soon as possible.


Roger J. Mattson

Enclosures:
As stated

CALENDAR OF MEETINGS SCHEDULED RELATED TO L² TASK FORCE ON TMI-2

Wednesday, May 30, 1979

Meeting with AIF Steering Committee on TMI-2
Pennsylvania Ave. (11th Fl.)
Byron Lee is contact

R. Mattson will attend.

Meeting with Westinghouse at 9:00 a.m.
P-110/114
C. Long and H. Silver to attend from L²

Thursday, May 31, 1979

Meeting with ACRS Subcommittee on TMI-2 Accident Implications at 8:30 a.m.
May 31 - June 1, 1979
Room 1046 - H Street

Mattson and Conran to attend.

Meeting of L² TMI-2 Task Force at 8:30 a.m. with OLB and QAB
P-422

Friday, June 1, 1979

Testimony at Presidential Committee on TMI-2 at 9:00 a.m.
New Executive Office Building, Room 2008

Roger J. Mattson and Robert Tedesco will attend.

Wednesday, June 6 and Thursday, June 7, 1979

Meeting with TMI-2 ACRS Subcommittee at Harrisburg (TMI Site) at 1:30 p.m.

Lesson Learned

This Task for the TMI-2 accident includes the review and evaluation of investigative information, staff evaluations of responses to I&E Bulletins and orders, staff recommendations and recommended actions from outside of the NRC; to identify, analyze and recommend changes to licensing requirements and the licensing process for nuclear power plants based on the lessons learned and provide recommendations for interim requirements for new operating licenses prior to completion of long-term activities. There is a range of area of immediate interest to NRR in which possible regulatory improvements are suggested by the TMI accident. These include:

- (1) Reactor operator training and licensing.
- (2) Reactor transient and accident analysis.
- (3) Licensing requirements for safety and process equipment, instrumentation, and controls.
- (4) Offsite and onsite emergency preparations and procedures.
- (5) Reactor siting.
- (6) Licensee technical qualification.

- (7) NRR accident response role, capability and management.
- (8) Reactor operating experience
- (9) Environmental Effects
- (10) Licensing requirements for post-accident monitoring and controls.
- (11) Post-Accident Cleanup and Recovery.
- (12) NRR engineering evaluation of the TMI-2 event sequence.

End-products may take the form of proposals for changes in legislation, policy, regulations, staff technical positions, review procedures, or NRR organizational structure and responsibilities. All information developed by the Task Force will be made public and submitted to others investigating the TMI-2 accident. The Task Force will serve as the focal point for NRR interaction with these groups.

Subject Category

1. Reactor Operations

1.1 Plant Procedures - Telford/IE

1.1.1 Technical Specifications

1.1.2 Emergency Procedures

1.2 Operator Training and Licensing - Milhoan/Hulman

1.2.1 Operator Qualification

1.2.2 Operator Examinations

1.3 Conduct of Operations

1.3.1 Licensee Technical Qualifications

1.3.2 Health Physics

1.3.3 Staffing

1.3.4 Maintenance

1.4 Man/Machine - Beltracchi

1.4.1 Control Room Design

1.4.2 Computer Aids

1.4.3 Diagnostic Instruments

2. Transient and Accident Analysis

2.1 System Analysis - Holahan/Cudlin

2.1.1 Accident Analysis

2.1.1.1 Loss of Coolant

2.1.1.2 Low Probability Accidents

2.1.1.3 Core Cooling Operations

2.2 Radiological Consequence Analysis - Stoddard

2.3 Analysis Methods - Holahan/Cudlin

2.3.1 Code development

2.3.2 Code verification

2.3.3 Research

2.3.4 Licensing requirements

3. Licensing Requirements for Safety and Process Equipment, Instrumentation and Controls

3.1 RCS - Olshinski/Voglewede

3.1.1 Overpressure Protection

3.1.2 Steam Generator

3.1.3 Reactor Coolant Pump

3.1.4 Pressurizer

3.1.5 Venting

3.2 Radiation Protection and Control - Stoddard/Barrett

3.2.1 General

3.2.2 Plant design and shielding

3.2.3 Ventilation system

3.2.4 Radwaste system

3.2.5 Radiation Monitoring

3.3 ESF

3.3.1 AFW/FW - Long

3.3.2 ECCS - Olshinski/Voglewede

3.3.3 Containment - Milstead

3.3.3.1 Isolation

3.3.3.2 Hydrogen Control

3.3.4 RHR System - Olshinski/Voglewede

3.3.5 Auxiliary Systems - Long

3.5 Instrumentation and Control - Calvo

3.5.1 Plant I&C

3.5.2 Protection System

3.5.3 ESF I&C

3.5.4 Instruments to Follow the Course of an Accident - Calvo/Olshinski/Stoddard

- 3.6 Electrical Power - Calvo
- 3.7 Design Requirements
 - 3.7.1 Environmental Qualification - Milstead
 - 3.7.2 Quality Assurance
- 3.8 Pre-Operational Testing
- 4. NRR Requirements for Offsite and Onsite Emergency Preparations and Procedures - ?
 - 4.1 General
 - 4.2 Licensee
 - 4.3 Local
 - 4.4 State
 - 4.5 Federal
 - 4.6 *Security*
- 5. NRC Accident Response Role, Capability and Management - ?/IE
 - 5.1 Emergency Communications
 - 5.2 Radiation Monitoring
 - 5.3 Analysis Support
- 6. Reactor Operating Experience - Telford
- 7. Environmental Effect - Stoddard
- 8. Licensing Requirements for Post-Accident Monitoring - Calvo/Olshinski/Long and Control
- 9. Post-Accident Cleanup and Recovery - Stoddard
- 10. Investigation and Evaluation of the TMI-2 Accident - Minners
- 11. Policy - *BCudlin*
 - 11.1 Standardization
 - 11.2 Risk Assessment/Safety Goals
 - 11.3 Reactor Siting
 - 11.4 Audit Review
 - 11.5 NRC Role in Accidents

12. Projects

12.1 Pending CP and OL Actions - Silver

12.2 ACRS Coordination)

12.3 Industry Coordination)

12.4 Varga Coordination)

12.5 Congress Coordination)

- Conran

12.6 Document Control - Ireland

12.6.1 Green Tickets

12.6.2 Catalogue

NRR Lessons Learned Task Force

	<u>Room No.</u>	<u>Office No.</u>	<u>Home No.</u>
R. Mattson, DSS	P-1102A	27517	340-7864
R. Tedesco, RS	P-1122B	28090	424-5991
W. Minners, DSS	P-1106	27581	469-7449
R. Ireland, RS	P-1122A	28084	926-8576
C. Long, PS	P-822	27754	253-3359
T. Telford, DOR	530	28102	469-6341
J. Olshinski, RSB	P-1132E	27591	(702) 938-3092
J. Calvo, PSB	P-832	27276	340-8775
J. Voglewede, CPB	P-1112	27603	460-3047
W. Milstead, CSC	P-904E	27711	473-8717 (L. D.)
H. Silver, DPM	120	27831	647-8659 (L. D.)
J. Conran, DPM	243	27745	340-2355
P. Stoddart, ETS3	P-700A	27775	924-4305
H. Krug, RAB	P-700C	27955	468-9037
G. Holahan, AB	P-1030A	27588	593-5960
L. Beltracchi, ICSB	P-720C	27233	340-3138
J. Holman, OLB	362	27487	840-0274
L. Chandler, ELD	MNBB 10217	28658	983-1908
J. Milhoan, SD	P-1106	27581	924-2691
B. Cudlin, RES	529	27980	530-0281
S. Bryan, IE*	Not a member	28019	926-1065

* IE contact until permanent member named