December 13, 1982

Docket No. 50-206

LS05-82-12-027

LICENSEE: SOUTHERN CALIFORNIA EDISON COMPANY

FACILITY: SAN ONOFRE NUCLEAR GENERATING STATION, UNIT NO. 1

SUBJECT: SUMMARY OF OCTOBER 7, 1982 MEETING

On October 7, 1982 members of the NRC staff met with representatives of Southern California Edison Company. The purpose of the meeting was to discuss the status of the licensee's preparation of guidelines for the development of emergency operating instructions for San Onofre Unit No. 1. Enclosure 1 is a list of attendees.

TMI Action Plan, NUREG-0737, Item I.C.1 requires that licensees (1) reanalyze transients, accidents, and inadequate core cooling, (2) prepare guidelines for development of emergency procedures, and (3) revise and implement the emergency procedures. The licensee's representatives discussed the status of their work on this subject. Enclosure 2 is a set of handouts used during the meeting.

The licensee expects to complete the technical guidelines and background documents by January 1983 and to submit them to the NRC in February 1983. The recently upgraded emergency operating instructions will then be rewritten as required. Completion of initial operator training and implementation of the rewritten emergency operating instructions is scheduled for June 1983.

Original signed by

Walter A. Paulson, Project Manager
Operating Reactors Branch #5
Division of Licensing

SE01

DSA use (08)

Enclosures:
As stated

cc w/enclosures:
See next page

OFFICE ▶	DL: ORB #5	DL: ORB #5					
SURNAME ▶	WPaulson:cc	WCrutchfield					
DATE ▶	12/13/82	12/13/82					

cc
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Robert H. Engelken, Regional Administrator
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LIST OF ATTENDEES

October 7, 1982 Meeting
NRC staff & Southern California Edison

NAME	AFFILIATION
W. Paulson	NRC
W. Lyon	NRC
D. Fadden	INPO
D. Minton	SCE
M. Thomas	SCE
L. Bennett	SCE
J. Clifford	NRC
A. Marinos	NRC
J. Lyons	NRC

SONGS 1

SHORT TERM EOI PROJECT HISTORY

1982

MAR	Deficiencies in Unit 1 emergency procedures were identified by the NRC.
APR	Short Term EOI Project requirement was defined and an EOI Team established.
	Team (with Westinghouse support) commenced the Short Term Project.
MAY	Westinghouse & SCE presented the analytical basis to the NRC for the project.
	Westinghouse conducted training of SCE training personnel.
	SCE conducted pre-implementation training.
	NRC NWL conducted a PTS review of the EOIs (B. Clayton).
	NRC reviewed Loss Of Secondary Coolant And Steam Generator Tube Rupture Procedures (A. Marinos).
JUN	SCE H.F. Consultant (LUND) conducted Human Factors review and update of EOIs incorporating SCE (Operations, Training and Technical) inputs.
AUG	Westinghouse conducted a review of the final version of the EOIs.
SEP	Unit 1 OSRC approved the EOIs and they were implemented.
	SCE forward copies of the Short Term EOIs to NRC.

LONG TERM EOI PROJECT

SCHEDULE MILESTONES

1982

11 OCT	SCE approve Writers Guide.
25 OCT	Complete Technical Guidelines and Background Documents for the Short Term EOIs.
15 NOV	Complete Technical Guidelines and Background Documents for remainder of EOIs.
6 DEC	SCE approve V & V and Training Programs.

1983

1 JAN	SCE approve the Technical Guidelines and Background Documents.
1 FEB	Submit Generation Package to NRC.
7 MAR	Complete writing EOIs.
4 APR	Westinghouse complete review of EOIs.
1 MAY	Commence Operator Training.
21 JUN	Complete V&V of EOIs
28 JUN	SCE (OSRC) approval of EOIs.
30 JUN	Complete initial Operator Training and implement EOIs.

SONGS 1

WRITERS GUIDE

I. COMMENTS

1. Initial Draft effort was supported by H. F. Consultant (LUND).

2. Copies of this draft were provided to you for information and comment.

3. Further SCE review has necessitated a revision with the following major changes:

    a. Organization of the Guide was rearranged to follow the INPO Writers Guide.

    b. Layered step philosophy was revised to require all operators (experienced or not) to read and follow the EOI substeps.

    c. Appendices were added to cover instructions for writing Technical Guidelines and Background Documents, Critical Safety Function Status Trees and Verification and Validation Program.

4. Copies of the current draft are available now if you desire them.

I. OBJECTIVES

1. That EOIs and Background Documents are technically correct, i.e., they accurately reflect the technical guidelines.

2. That EOIs and Background Documents are written correctly, e.e., they accurately reflect the writers guide.

3. That EOIs are usable, i.e., they can be understood and followed without confusion, delays, errors, etc.

4. That there is a correspondence between the EOIs and the control room/plant hardware, ie. , control/equipment/indications that are referenced, are available (inside and outside of the control room), use the sam designation, use the same units of measurement, and operate, as specified in the EOIs.

5. That the language and level of information presentation in the EOIs are compatible with the minimum number, qualifications, training and experience of the operating staff.

6. That there is a high level of assurance that the EOIs will work, i.e., the EOIs guide the operator in mitigating transients and accidents.

II. METHODS

1. Desk top reviews.

2. Seminars and workshops.

3. Mock up walk throughs.

4. Control room walk throughs.

5. Generic simulator operations.

III. CHECK LISTS

1. EOI review checklist/sign off.

2. Writers Guide verification.

3. Technical review checklist.

4. Seminar/workshop review checklist.

5. Mockup walk through checklist.

6. Control room walk through check list.

7. Simulator operations checklist.

VERIFICATION AND VALIDATION PROGRAM

I. OBJECTIVES	II. METHODS	III. CHECK LISTS	
		EOIs	Background Document
1. That EOIs and Background Documents are technically correct, i.e., they accurately reflect the technical guidelines.	(1), (2)	(c) (d)	(c) (d)
2. That EOIs and Background Documents are written correctly, i.e., they accurately reflect the writers guide.	(1), (2)	(b) (d)	(b) (d)
3. That EOIs are usable, i.e., they can be understood and followed without confusion, delays, errors, etc.	(1), (2), (3), (4), (5)	(a) (d) (e) (f) (g)	-
4. That there is a correspondence between the EOIs and the control room/plant hardware, i.e., control/equipment/indications that are referenced, are available (inside and outside of the control room), use the sam designation, use the same units of measurement, and operate, as specified in the EOIs.	(3), (4)	(e) (f)	-
5. That the language and level of information presentation in the EOIs are compatible with the minimum number, qualifications, training and experience of the operating staff.	(1), (2)	(a) (d)	-
6. That there is a high level of assurance that the EOIs will work, i.e., the EOIs guide the operator in mitigating transients and accidents.	(1), (2), (5)	(a) (c) (d) (g)	-

(1) Desk top reviews.

(2) Seminars and workshops.

(3) Mock up walk throughs.

(4) Control room walk throughs.

(5) Generic simulator operations.

(a) EOI review checklist/sign off.

(b) Writers Guide verification.

(c) Technical review checklist.

(d) Seminar/workshop review checklist.

(e) Mockup walk through checklist.

(f) Control room walk through check list.

(g) Simulator operations checklist.

IV. OTHER REVIEWS/CHECKS

1. Westinghouse Technical Review

2. Licensing Review (previous committments)

3. SCE QA Review

4. SCE Corporate Engineering Review

5. Unit 1 (OSRC) Review and Approval

V. RECORDS

1. Each EOI and Background Document will have a file of checklists documenting their compliance with objectives of the Verification and Validation Program.

2. Completion of the V&V Program will be based on the review of the checklists to determine if the required checks have been satisfactorily accomplished and that no outstanding deficiencies remain.

VI. SUPPORT

1. Human Factors Consortium, Inc. is providing technical support for the V & V project in the development and utilization of checklists and a final human factors review of the EOIs.

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TRAINING PROGRAM

I. OBJECTIVES

1. Develop a comprehensive training program to teach SONGS 1 operators, Shift Technical Advisors and applicable administrative supervisors the following:

   a. Overall understanding of the EOI Package and the interrelationship between its various instructions and elements. (Including TG, Writers Guide, Background Documents, EOIs and Status Trees).

   b. Detailed knowledge of the EOIs and their technical basis.

   c. Organization, task assignment and procedures to be used by the Watch Team during an Emergency. (Including communications procedures).

2. Conduct Team training using simulated casuality walk throughs (including generic simulator where applicable).

3. Evaluate and document the effectiveness of training. (Team and individual).

4. Develop follow-on training requirements to insure that new operators are effectively trained in the EOIs and that the training readiness of the Watch Teams and operators is maintained.

II. SCHEDULE

The schedule of required training sessions (both classroom and simulator) and oral evaluations will be promulgated in the Training Program.

III. LESSON PLAN

Requirements for lesson plans (including format) will be described in detail in the Training Program.

IV. DOCUMENTATION

Documentation of the training will be described in detail in the Training Program. It will provide auditable proof that each operator has satisfactorily completed the initial EOI training and provide continuing records of retraining.

V. FOLLOW-ON TRAINING

Training for new operators (after EOI package implementation), team training requirements after implementation, and retraining for operators satisfactorily completing the initial training will also be included in the Training Program.

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