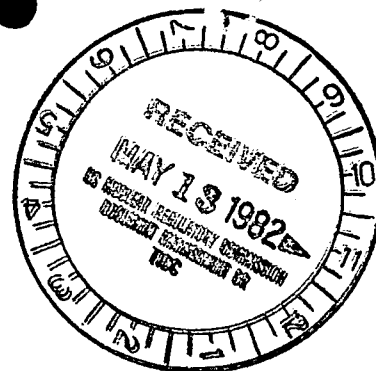


May 10, 1982

Docket No. 50-206



LICENSEE: SOUTHERN CALIFORNIA EDISON COMPANY

FACILITY: San Onofre Nuclear Generating Station, Unit No. 1

SUBJECT: SUMMARY OF SITE VISIT TO SAN ONOFRE UNIT NO. 1

On March 30, 1982, members of the NRC staff and consultants visited San Onofre Unit No. 1. The purpose of the site visit was to (1) walkdown drainage areas, floodwall, access opening in safety related buildings and other features related to SEP Topics II-3A, II-3B, II-3B.1, and II-3C, (2) and to view structural modifications being made to the plant. San Onofre Unit 1 was shutdown to inspect steam generator tubes and to make other facility modifications. A list of attendees is enclosed. (Enclosure 1)

The NRC Division of Engineering representative and consultants walked down the above cited areas. Two items were identified during the walk-down:

1. An old security fence was blocking the north flood drainage channel. We believe that this fence should be removed promptly because it can effectively block the channel and divert flood runoff into the main plant area.
2. West end of the diesel generator building has room exhaust outlets designed to protect against tornado missiles. These vents are open at the top and can collect rainfall and funnel it inside the building. The small diameter drain at the bottom of each vent is not of adequate size to prevent ponding of rainfall and subsequent flow into the diesel generator building. Inside the building, below the vent, there is an electrical control cabinet. This feature should be reviewed by the licensee and remedial action taken as necessary to avert potential future problems.

The NRC Division of Licensing personnel walked through the plant both inside and outside containment. A short meeting was held in which SCE representatives summarized the seismic reevaluation program and the modifications being made. A copy of the handout is enclosed (Enclosure 2).

*SE01
5/11
DSU USE EX (08)*

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

Enclosure:

*SEE PREVIOUS CONCURRENCE

OFFICE	As stated	DL: ORB #5 WPaulson:cc	DE: HGEB* GStaley	DL: ORB #5 DCuttsfield			
SURNAME							
DATE		5-10-82		5/10/82			

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PDR ADECK 05000206
PDR
P

Docket No. 50-206

LICENSEE: Southern California Edison Company

FACILITY: San Onofre Nuclear Generating Station, Unit No. 1

SUBJECT: SUMMARY OF SITE VISIT TO SAN ONOFRE UNIT NO. 1

On March 30, 1982, members of the NRC staff and consultants visited San Onofre Unit No. 1. The purpose of the site visit was to (1) walkdown drainage areas, floodwall, access opening in safety related buildings and other features related to SEP Topics II-3A, II-3B, II-3B.1, and II-3c, (2) and to view structural modifications being made to the plant. San Onofre Unit 1 was shutdown to inspect steam generator tubes and to make other facility modifications. A list of attendees is enclosed. (Enclosure 1).

The NRC Division of Engineering representative and consultants walked-down the above cited areas. Two items were identified during the walk-down:

1. An old security fence was blocking the north flood drainage channel.
2. West end of the diesel generator building has structures designed to protect against tornado missiles. It is not clear that there is adequate drainage in this area.

The NRC Division of Licensing personnel walked through the plant both inside and outside containment. A short meeting was held in which SCE representatives summarized the seismic reevaluation program and the modifications being made. A copy of the handout is enclosed (Enclosure 2).

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

Enclosures:
As stated

OFFICE	ORB#5/DL	HGEB:DE	ORB#5:DL				
SURNAME	WPaulson:kab	GStaley	DCrutchfield				
DATE	5/5/82	5/5/82	5/ /82				

cc

Charles R. Kocher, Assistant
General Counsel
James Beoletto, Esquire
Southern California Edison Company
Post Office Box 800
Rosemead, California 91770

David R. Pigott
Orrick, Herrington & Sutcliffe
600 Montgomery Street
San Francisco, California 94111

Harry B. Stoehr
San Diego Gas & Electric Company
P. O. Box 1831
San Diego, California 92112

Resident Inspector/San Onofre NPS
c/o U. S. NRC
P. O. Box 4329
San Clemente, California 92672

Mayor
City of San Clemente
San Clemente, California 92672

Chairman
Board of Supervisors
County of San Diego
San Diego, California 92101

California Department of Health
ATTN: Chief, Environmental
Radiation Control Unit
Radiological Health Section
714 P Street, Room 498
Sacramento, California 95814

U. S. Environmental Protection Agency
Region IX Office
ATTN: Regional Radiation Representative
215 Fremont Street
San Francisco, California 94111

Robert H. Engelken, Regional Administrator
Nuclear Regulatory Commission, Region V
1450 Maria Lane
Walnut Creek, California 94596

ENCLOSURE 1

SITE VISIT TO SAN ONOFRE UNIT 1

MARCH 30, 1982

ATTENDEES

SCE

J. Rainsberry
R. Kriega
K. Baskin
M. Knarr
D. Johns

NRC

D. Crutchfield, DL
W. Paulson, DL
G. Staley, DE
W. Erikson (WESTEC)
J. Scherrer (WESTEC)

San Onofre Unit 1
Seismic Reevaluation

- o Programs
- o Status
- o Modifications
- o SEP Interfaces
- o Design Margin/Structural Integrity

Seismic Reevaluation Programs

San Onofre Unit 1

- o Site Specific Earthquake Program
- o Seismic Backfit Project
- o Anchorage of Electrical Equipment
- o Balance of Plant Structures (BOPS)
- o Balance of Plant Mechanical Equipment and Piping (BOPMEP)
- o Cable Trays

BOPS Seismic Reevaluation Program

San Onofre Unit 1

<u>Structure</u>	<u>Evaluation Complete</u>	<u>Modification</u>		<u>SEP Interfaces</u> (1)
		<u>Required</u>	<u>Implementation</u>	
Intake Structure	12/8/81	Yes	After Integrated Assess.(4)	T, 0
Reactor Auxiliary Bldg.	12/8/81	Yes(3)	Current Outage	T, 0
Ventilation Bldg.	12/8/81	Yes(3)	Current Outage	T, 0
Control Bldg.	2/9/82	No	---	T, 0
Turbine Building/ West and North	4/30/82(2)	Yes	Current Outage	T, 0
Turbine Building/ East and South	4/30/82(2)	Yes	(5)	T, 0
Fuel Storage Building	4/30/82(2)	Yes	Targeted for Current Outage	T, 0

(1) T = tornado SEP topics, 0 = offsite hazards SEP topic

(2) Scheduled completion dates

(3) Masonry wall connection modifications required

(4) Final engineering of required modifications to be initiated

(5) Connection modifications and relocation of some equipment which will interfere with future bracing modifications are targeted for current outage. Bracing modifications are planned for a future outage.

BOPS Seismic Reevaluation Program

San Onofre Unit 1

<u>System</u>	<u>Evaluation Complete</u>	<u>Modification</u>		<u>SEP Interfaces (1)</u>
		<u>Required</u>	<u>Implementation</u>	
Safe Shutdown Systems	5/1/82(2)	Yes	<i>Ration design margin</i> ---	T,O,S,H
Accident Mitigating Systems	11/1/82(2)	-	---	T,O,H

(1) T = tornado SEP topics, O = offsite hazards SEP topic, S = safe shutdown system topics, H = high energy line break SEP topics.

(2) Scheduled completion dates.

Cable Tray Seismic Reevaluation Program

San Onofre Unit 1

- o Scheduled Completion Date May 15, 1982
- o Modifications Will Probably be Required

Design Margin/Structural Integrity

- o No Consideration to Probability
- o Consequences of Determination are Significant
- o Time Consuming
- o Costly
- o Inefficient