

JUL 14 1978

Docket No. 50-206

Southern California Edison Company
P. O. Box 800
2244 Walnut Grove Avenue
Rosemead, California 91770

Attention: Mr. Jack B. Moore
Vice President

Gentlemen:

Subject: NRC Inspection of San Onofre Unit 1

This refers to the inspection conducted by Messrs. J. Curtis and H. North of this office on June 12-15, 1978 of activities authorized by NRC License No. DPR-13, and to the discussion of our findings held by Mr. Curtis with Mr. Curran and other members of your staff at the conclusion of the inspection.

Areas examined during this inspection are described in the enclosed inspection report. Within these areas, the inspection consisted of selective examinations of procedures and representative records, interviews with personnel, and observations by the inspectors.

No items of noncompliance with NRC requirements were identified within the scope of this inspection.

In accordance with Section 2.790 of the NRC's "Rules of Practice," Part 2, Title 10, Code of Federal Regulations, a copy of this letter and the enclosed inspection report will be placed in the NRC's Public Document Room. If this report contains any information that you believe to be proprietary, it is necessary that you submit a written application to this office, within 20 days of the date of this letter, requesting that such information be withheld from public disclosure. The application must include a full statement of the reasons why it is claimed that the information is proprietary. The application should be prepared so

OFFICE →	RV <i>JPC</i>	<i>zaw</i>	<i>JKB</i>			
SURNAME →	Curtis:rc	Wenslawski	Book			
DATE →	7/14/78	7/14/78	7/14/78			

JUL 14 1978

Southern California Edison Company -2-

that any proprietary information identified is contained in an enclosure to the application, since the application without the enclosure will also be placed in the Public Document Room. If we do not hear from you in this regard within the specified period, the report will be placed in the Public Document Room.

Should you have any questions concerning this inspection, we will be glad to discuss them with you.

Sincerely,

Original signed by
H. E. Book

H. E. Book, Chief
Fuel Facility and
Materials Safety Branch

Enclosure:
IE Inspection Report
No. 50-206/78-08)

cc w/o enclosure:
J. T. Head, SCE
J. M. Curran, SCE, San Clemente

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for: PDR, LPDR, NSIC, TIC,
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U. S. NUCLEAR REGULATORY COMMISSION
OFFICE OF INSPECTION AND ENFORCEMENT

REGION V

Report No. 50-206/78-08
Docket No. 50-206 License No. DPR-13 Safeguards Group _____
Licensee: Southern California Edison Company
P. O. Box 800
Rosemead, California 91770
Facility Name: San Onofre Unit 1
Inspection at: Camp Pendleton, California
Inspection conducted: June 12-15, 1978
Inspectors: J. R. Curtis 7/14/78
J. R. Curtis, Radiation Specialist Date Signed
H. A. Wenslawski 7/14/78
for H. S. North, Radiation Specialist Date Signed
Approved By: H. E. Book 7/14/78
H. E. Book, Chief, Fuel Facility and Date Signed
Materials Safety Branch

Summary:

Inspection on June 12-15, 1978 and Telephone Conversations with
Licensee Representatives June 21, 26 and 27 (Report No. 50-206/78-08)
Areas Inspected: Routine, unannounced inspection of emergency planning,
including observation of emergency drill and drill critique and review
of drill records; review of miscellaneous items including continuation
of strike contingency plan; shipping cask contamination survey records;
discussion with licensee representatives concerning licensee event
report action; refueling shutdown plans; process radiation monitoring
instrument review; and results of comparative measurements programs for
environmental and effluent samples. The inspection involved 57 man-
hours onsite by two NRC inspectors.

Results: No items of noncompliance or deviations were identified in the
areas inspected.

memo were tested by driving them to 10^6 CPS (full scale) with a radiation source and they did not exhibit any evidence of saturation failure or down scale indication. This test was being documented and records would be available for future inspections.

No items of noncompliance or deviations were identified.

9. Environmental Protection - Implementation

On March 6, 1978, the licensee informed the Region V office that the San Clemente city well, one of the environmental sampling locations, had ceased operations. During the inspection, it was determined that the San Clemente well will remain out of service permanently. The licensee substituted a sample from a well at the San Clemente Ranch (formerly Highland Ranch). Appendix B, Technical Specification 3.2.3 specifies that drinking water samples will be collected at the Tri Cities, Huntington Beach and at a local well. The change of the local well sample from San Clemente city to San Clemente Ranch does not represent a deviation from technical specification requirements.

No items of noncompliance or deviations were identified.

10. Event Report Review

On February 27, 1978, the licensee reported pursuant to 10 CFR 20.205(b)(2), the receipt of an empty fuel element transfer cask at the site which exhibited local contamination in excess of 22,000 dpm/100 cm². The cask, NAC-1C, was received on February 27, 1978 from G.E. Morris, Illinois. The licensee reported that the carrier and the shipper had both been notified. The contamination was highly localized and no spread of contamination had occurred. The licensee decontaminated the cask prior to shipment.

The licensee's spent fuel shipping campaign has been completed. Historically, the licensee made a total of 254 shipments, 158 of them in NAC casks, beginning on March 13, 1976. The licensee has reported receipt of NAC casks contaminated in excess of 22,000 dpm/100 cm² a total of eleven times. Ten of the contaminated casks were received from G.E. Morris, Illinois. One of the casks was received from Chem Nuclear, Barnwell, S.C. None of the occurrences resulted in any spread of contamination.

No items of noncompliance or deviations were identified.

11. Exit Interview

An exit interview was held with licensee management representatives to review the scope and findings of the inspection. The inspectors advised that no items of noncompliance or deviations were identified.

FCTR:RHO
71-0174

Southern California Edison Company
ATTN: Mr. William H. Seaman
P.O. Box 800
Rosemead, CA 91770

Gentlemen:

Enclosed is Quality Assurance Program Approval for Radioactive
Material Packages No. 0174, Revision No. 0.

Sincerely,
Original Signed by
CHARLES E. MACDONALD

Charles E. MacDonald, Chief
Transportation Branch
Division of Fuel Cycle and
Material Safety, NRC

Enclosure:
As stated

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REVISION NUMBER

0

QUALITY ASSURANCE PROGRAM APPROVAL
FOR RADIOACTIVE MATERIAL PACKAGES

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974, as amended, and Title 10, Code of Federal Regulations, Chapter 1, Part 71, and in reliance on statements and representations heretofore made in Item 5 by the person named in Item 2, the Quality Assurance Program identified in Item 5 is hereby approved. This approval is issued to satisfy the requirements of Section 71.51 of 10 CFR Part 71. This approval is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

2. NAME

Southern California Edison Company

3. EXPIRATION DATE

August 31, 1984

STREET ADDRESS

P.O. Box 800

4. DOCKET NUMBER

71-0174

CITY

Rosemead

STATE

CA

ZIP CODE

91770

5. QUALITY ASSURANCE PROGRAM APPLICATION DATE(S)

July 6, 1978 and April 27, 1979

6. CONDITIONS

Activities conducted under applicable criteria of Appendix B of 10 CFR Part 50 to be executed with regard to transportation packages by August 1, 1979.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

SIGNATURE

Charles E. MacDonald
Charles E. MacDonald, Chief, Transportation Branch,
Division of Fuel Cycle and Material Safety, NRC

DATE

MAY 08 1979

7906010154/POR

MAR 21 1979

FCTR:RHO
71-0174

Southern California Edison Company
ATTN: Mr. J. H. Drake
Vice-President
P. O. Box 800
2244 Walnut Grove Avenue
Rosemead, California 91770

Gentlemen:

This refers to your application dated July 6, 1978 requesting approval of Southern California Edison Company's (SCE) Quality Assurance (QA) program to meet the requirements of 10 CFR §71.51.

As noted in your application, SCE has elected to utilize its "current quality assurance program...." It is requested that SCE reference the latest amendment to the FSAR where the current operational QA program for San Onofre Unit No. 1 is documented.

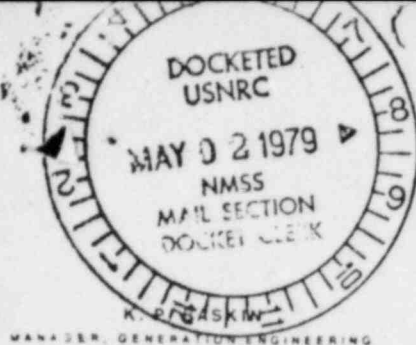
Please submit seven copies of your response to this request within 30 days following receipt of this letter.

Sincerely,

Original Signed by
CHARLES E. MACDONALD

Charles E. MacDonald, Chief
Transportation Branch
Division of Fuel Cycle and
Material Safety, NMSS

7904040056
PDR



REGULATORY OPERATIONS
FILE COPY

Southern California Edison Company

P O BOX 800
2244 WALNUT GROVE AVENUE
ROSEMEAD, CALIFORNIA 91770

April 27, 1979

71-174

TELEPHONE
213-572-1401

Director, Office of Nuclear Material Safety and Safeguards
Attention: Mr. D. A. Nussbaumer
Assistant Director for Material Safety and Licensing
Division of Fuel Cycle and Material Safety
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

Gentlemen:

Subject: Docket No. 50-206
Provisional Operating License No. DPR-13
Radioactive Materials Shipping
San Onofre Nuclear Generating Station
Unit 1



By letter dated March 21, 1979, you requested that we identify the latest amendment to the "Final Safety Analysis Report" (FSAR) where the current Quality Assurance Program applicable to San Onofre Unit 1 is documented. This request was prompted by your review of our July 6, 1978 letter which was submitted to you in response to the requirements of 10 CFR Part 71. In that letter, we stated that our compliance with the current Quality Assurance Program applicable to San Onofre Unit 1, which has been approved by the NRC, is tantamount to compliance with 10 CFR §71.51, Appendix E, "Quality Assurance Criteria for Shipping Packages for Radioactive Material."

Accordingly, Enclosure 1 to this letter identifies the latest amendment to the FSAR where the current Quality Assurance Program applicable to San Onofre Unit 1 is documented. For your convenience and to facilitate your review, Enclosure 1 provides a complete chronology of amendments to the FSAR which have involved revisions to the Quality Assurance Program. In accordance with your March 21, 1979 letter, seven copies of Enclosure 1 accompany this letter.

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PDR PDR

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If you have any questions, or desire further information concerning the enclosed material, please contact me.

Very truly yours,

K P Bushin

Enclosures (7)

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ENCLOSURE 1

CHRONOLOGY OF FSAR AMENDMENTS
SAN ONOFRE UNIT 1
QUALITY ASSURANCE PROGRAM

1. Amendment No. 24 dated July 15, 1971
2. Amendment No. 29 dated May 9, 1973
3. Amendment No. 32 dated August 22, 1974
4. Amendment No. 41 dated February 28, 1975
5. Commission Safety Evaluation Report dated April 8, 1975
6. Amendment No. 44 dated April 15, 1975

APR 8 1980

Docket No. 50-206

Southern California Edison Company
P. O. Box 800
2244 Walnut Grove Avenue
Rosemead, California 91770

Attention: Mr. A. L. Arenal
Vice President, Advanced Engineering

Gentlemen:

Subject: NRC Inspection of San Onofre Unit 1

This refers to the inspection conducted by Mr. J. R. Curtis of this office on March 3 - 7, 1980, of activities authorized by NRC License No. DPR-13 and to the discussion of our findings held by Mr. Curtis with Mr. R. Brunet and other members of the San Onofre Unit 1 staff at the conclusion of the inspection.

Areas examined during this inspection are described in the enclosed inspection report. Within these areas, the inspection consisted of selective examinations of procedures and representative records, interviews with personnel, and observations by the inspector.

No items of noncompliance with NRC requirements were identified within the scope of this inspection.

In accordance with Section 2.790 of the NRC's "Rules of Practice," Part 2, Title 10, Code of Federal Regulations, a copy of this letter and the enclosed inspection report will be placed in the NRC's Public Document Room. If this report contains any information that you believe to be proprietary, it is necessary that you submit a written application to this office, within 20 days of the date of this letter, requesting that such information be withheld from public disclosure. The application must include a full statement of the reasons why it is claimed that

OFFICE	RV	BOOK				
SURNAME	CURTIS/jk	BOOK				
DATE	4/8/80	4/8/80				

8005160444/POR/LPOR

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the information is proprietary. The application should be prepared so that any proprietary information identified is contained in an enclosure to the application, since the application without the enclosure will also be placed in the Public Document Room. If we do not hear from you in this regard within the specified period, the report will be placed in the Public Document Room.

Should you have any questions concerning this inspection, we will be glad to discuss them with you.

Sincerely,

Original signed by
H. E. Book

H. E. Book, Chief
Fuel Facility and Materials
Safety Branch

Enclosure:
IE. Inspection Report
No. 50-206/30-06

cc w/o enclosure:
J. T. Head, SCE

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U. S. NUCLEAR REGULATORY COMMISSION
OFFICE OF INSPECTION AND ENFORCEMENT

REGION V

Report No. 50-206/80-06
Docket No. 50-206 License No. DPR-13 Safeguards Group _____
Licensee: Southern California Edison Company
2244 Walnut Grove Avenue
Rosemead, California 91770
Facility Name: San Onofre Unit 1
Inspection at: Camp Pendleton, California
Inspection conducted: March 3-7, 1980
Inspectors: J. R. Curtis 4/8/80
J. R. Curtis, Radiation Specialist Date Signed

Date Signed

Date Signed
Approved by: R. F. Fisher 4/8/80
F. Wenslawski, Chief, Reactor Radiation Safety Section Date Signed
Approved by: H. E. Book 4/8/80
H. E. Book, Chief, Fuel Facility and Materials Date Signed
Safety Branch

Summary:

Inspection on March 3-7, 1980 Report No. 50-206/80-06

Areas Inspected: Routine unannounced inspection of the quality control and confirmatory measurements aspects of the Radioactive Waste/Effluent Monitoring Program; follow-up of licensee response to IE Circulars 79-15, 79-21 and Bulletin 80-03; investigation of conditions and licensee action related to LER 80-05 (temperature differential across the circulating cooling water condenser in excess of ETS limits); and independent inspection effort in the areas of spent fuel shipment operations and qualified escort refresher training. The inspection involved a total of 24.5 hours onsite by one inspector.

Results: No items of noncompliance or deviations were identified in the areas examined.

DETAILS

1. Persons Contacted

- *R. Brunet, SONGS-1 Superintendent
- *M. Sullivan, Supervisor Chemical and Radiation Protection, SONGS-1
- *G. Packham, Chemical and Radiation Protection Engineer
- S. Medling, Chemical and Radiation Protection Engineer
- M. Wharton, Nuclear Engineer
- *E. Bennet, Chemical and Radiation Protection Foreman
- *G. MacDonald, S.C.E. Quality Assurance
and other members of the S.C.E. Staff

*Indicates those present at the exit interview.

2. Operations-General Spent Fuel Shipment

In the period during which the inspection was conducted the plant was in the normal operating mode at full power (~450 MW) until Thursday March 6th when the rupture disc of the Pressurizer Relief Tank (PRT) was accidentally blown out during a tank purging operation. The facility was taken to hot shutdown for twelve to fifteen hours to replace the rupture disc and return the PRT to operable status. This event was reported to Region V by the resident inspector who would follow up on the item.

Spent Fuel movement and shipment operations were under way during the inspection. Loaded fuel cask decontamination, ΔT testing, and licensee radiation monitoring surveys were observed by the inspector. The radiation monitoring operations were discussed with radiation protection personnel and fuel shipment procedures were examined. A survey of radiation levels around the loaded shipping cask was made and levels noted confirmed those reported by the licensee.

No items of noncompliance or deviations were identified.

3. Radioactive Waste Systems - Quality Assurance and Confirmatory Measurements

Quality Control

The licensee's program for quality control of analytical measurements has not undergone any major change in the past two years. Laboratory procedures are reviewed internally under the standard SCE review and revision program. Small revisions and changes have been made in laboratory procedures in response to changes in published standard chemical procedures and changes announced in ASTM publications.