

Docket No. 50-206

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Mr. James H. Drake  
 Vice President  
 Southern California Edison Company  
 2244 Walnut Grove Avenue  
 Post Office Box 800  
 Rosemead, California 91770

NOV 07 1979

Dear Mr. Drake:

RE: COMPLETION OF SEP TOPIC II-1.A

Your letter dated May 4, 1979, indicated that you have examined our draft evaluation of the subject topic dated January 30, 1979. You suggested editorial or corrective changes to the assessment to make it more accurately reflect your facility design. We have incorporated your suggested modifications in the enclosed assessment. With these modifications our review of SEP Topic II-1.A is complete and will be a basic input to the integrated assessment of your facility.

The subject assessment compares your facility design with the criteria currently used by the staff in licensing new facilities. This assessment may need to be re-examined if you modify your facility or if the criteria are changed before we complete our integrated assessment.

Sincerely,

*Original signed by*  
*Dennis L. Ziemann*  
 Dennis L. Ziemann, Chief  
 Operating Reactors Branch #2  
 Division of Operating Reactors

Enclosure:  
 Completed SEP.  
 Topic II-1.A

cc w/enclosure:  
 See next page

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*DLZ*

OFFICE	DOR:ORB #2	DOR:SEPB	DOR:ORB #2		
SURNAME	PWO'Connor:ah	DMCrutchfield	DLZiemann		
DATE	10/1/79	10/7/79	10/5/79		7911280 44

Mr. James H. Drake

- 2 -

November 7, 1979

cc w/enclosure:

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## SAN ONOFRE UNIT 1

### Topic II-1.A - Exclusion Area Authority and Control

The safety objective of this topic is to assure that appropriate exclusion area authority and control are maintained by the licensee as required by 10 CFR Part 100.

The San Onofre Nuclear Generating Station is located on the coast of Southern California in San Diego County, approximately 62 miles southeast of Los Angeles and 51 miles northwest of San Diego. The site is located entirely within the boundaries of the United States Marine Corps Base, Camp Pendleton, California. The site property, comprising approximately 84 acres, is about 4,500 feet in length and 800 feet in width. In addition to Unit 1, Units 2 and 3 which are presently under construction occupy part of the site. The site boundaries and principal plant structures are shown in Figure 1.

The minimum exclusion area boundary distance for the San Onofre site was specified as 0.5 mile in the Unit 1 FSAR<sup>(1)</sup>. The exclusion area was subsequently reduced to its present size during the course of the construction permit licensing proceedings for Units 2 and 3. The exclusion area for the San Onofre site, as described in Amendment 52 to the Unit 1 FSAR<sup>(2)</sup> is shown in Figure 1 and is a common exclusion area for all three nuclear units. The minimum exclusion area distance for Unit 1 is 996 feet measured from the center of Unit 1 containment northwestward to the nearest point on the exclusion area boundary. The licensee's authority to control all activities within the exclusion area was acquired by a grant of easement from the United States of America made by the Secretary of the Navy in 1964 and modified by an amendment

dated September 18, 1975<sup>(3)</sup>. All mineral rights in the land portion of the exclusion area are held by the United States Government.

The exclusion area is traversed by Interstate Highway 5, old U.S. Highway 101, and the Atchison, Topeka and Santa Fe Railroad. The exclusion area on the seaward side of the site extends over the Pacific Ocean. Arrangements have been made with appropriate state, local and federal agencies to control the movement of people on the transportation routes through the exclusion area in the event of a plant emergency. These arrangements are documented in the Emergency Plan for the San Onofre Nuclear Generating Station<sup>(4)</sup> and are applicable to all three nuclear units on the site.

The licensee's control of the landward portion of the exclusion area extends to the mean high water line but does not include the strip of beach lying between the high water line and the Pacific Ocean. This tidal beach is owned by the State of California. The licensee's lack of control over the tidal beach has been adjudicated in a Commission proceeding<sup>(5)</sup> on the construction of Units 2 and 3 and has been declared "de minimus" on the basis of its infrequent use together with the high probability that the radiation exposure a tidal beach user might experience in the event of an accident would be within the guideline values of 10 CFR Part 100. As part of the commitments made during the Unit 2 and 3 construction permit proceedings, the licensee will install a beach walkway and fences in front of the station seawall and will institute other administrative controls to minimize the use of the seaward portion of the exclusion area<sup>(6)</sup>.

We conclude that the licensee has the proper authority as required by 10 CFR Part 100 to determine all activities within the exclusion area and that appropriate and effective arrangements have been made to control traffic on the transportation routes and portions of the exclusion area accessible to the public in the event of an emergency. This completes the evaluation of this SEP topic. Since the plant design conforms to current licensing criteria, no additional SEP review is required.

References

1. San Onofre Unit 1 - FSAR. Section 1.1
2. San Onofre Unit 1 - Amendment 52 to FSAR December 1975
3. San Onofre Units 2 & 3 - PSAR. Section 1.8
4. San Onofre Units 2 & 3 - Emergency Plan
5. ALAB 432. 6NRC465 (1977)
6. San Onofre Units 2 & 3 - FSAR. Section 2.1

