

ACCESSION NBR: 7902010094 DOC. DATE: 79/01/16 NOTARIZED: NO DOCKET #  
 FACIL: 50-361 San Onofre Nuclear Generating Station-2, Southern Cal 0500036  
 50-362 San Onofre Nuclear Generating Station-3, Southern Cal 05000362  
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 BASKIN, K.P. Southern California Edison Co.  
 RECIP. NAME RECIPIENT AFFILIATION  
 REGAN, W.H. Environmental Project Branch 2

SUBJECT: Forwards supplemental environ monitoring program data re  
 ambient air temp, climatology and ocean temps.

Substantiates contention that assumptions NRC used re  
 thermal plume dispersion analysis are unrealistic.

(see Envs. reports) trans the - follow up  
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SONGS-Unit 1

① Enviro. Tech Specs-Annual  
Oper. Rpt - Ocean Data  
1977

② Irvine Oceanographic Survey

③ Oceanographic Data - 1976

④ Updated Effects of SONGS I  
on Marine Organisms

⑤ Thermal Effect Study

⑥ Ocean Currents-Enviro. Impact

⑦ Oceanography & Marine Geology

⑧ Oceanographic & Biological Survey  
of So. Cal. Mainland Shelf

⑨ Ecology of So. Cal. Bight

⑩ Climatological data

⑪ Huntington Beach Thermal Effect

⑫ Redondo Beach Thermal Effect Study

⑬ Alamitos-Haynes Station Thermal

effect study

⑭ Oceanographic Survey of Continental

Shelf Area of So. California

⑮ Oceanography & Marine Geology

⑯ Del Mar Current Water Temp Data

⑰ Data Rpts of Surface Water Temp -

west Coast

FEB 5 1979

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Enviro.

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K. P. BASKIN  
MANAGER, GENERATION ENGINEERING

January 16, 1979

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Director, Office of Nuclear Reactor Regulation  
Attn: William H. Regan, Jr., Chief  
Environmental Projects Branch 2  
Division of Site Safety and Environmental Analysis  
U. S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Gentlemen:

Subject: Docket Nos. 50-361 and 50-362  
Submittal of Environmental Data  
San Onofre Nuclear Generating Station  
Units 2 & 3

The Applicants met in the NRC offices in Bethesda, Maryland, on January 9, 1979, with members of the NRC staff and personnel from Oak Ridge National Laboratory. The meeting was requested by the Applicants to present comments and information pertaining to the NRC's analysis of the thermal plume for the subject project.

In the process of the Applicants' presentation, data from ongoing environmental monitoring programs was presented. This data further substantiates previous data which indicates that certain conditions and assumptions used in the NRC's analysis of thermal plume dispersion are unrealistic. Enclosed with this letter are six (6) copies of this supplemental data from the ongoing environmental monitoring programs for the review and information of the NRC staff. The data enclosed is as follows:

- 1) Ambient air temperatures (monthly meteorology reports Dames & Moore)
- 2) U.S. Climatological Data for Newport and Santa Monica.
- 3) Current data (Clint Winant)
- 4) Current data (Marine Review Committee)
- 5) Ocean temperatures (San Onofre, Unit 1, Annual Operating Report)

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7902010094

None  
1/6

-2-

If you have any questions concerning this submittal, please call me at (213) 572-1401 or Dennis Cox at (213) 572-2641.

Very truly yours,

A handwritten signature in cursive script, reading "K P Baskin".

K. P. Baskin

Enclosures

# AIR TEMPERATURES AT SONGS

## Data Record

<u>Period of Record</u>	<u>Data Source</u>
1/25/74-1/24/76	SONGS 2&3 FSAR
7/76	SONGS Monthly Meteorological Reports
7/77	" " " "
12/43-1/52	Climatic Summary of the U.S. 1931-52 US Department of Commerce (Data for Oceanside)
Prior to 1931 to 1960	Climatic Summary of the U.S. 1931-52 1951-1960 (Data for Newport Beach) Newport Beach Harbor

## SONGS' MET TOWER

Temperature Summary  
(°C)

## AVERAGE HOURLY TEMPERATURES

Hour	7/74, 7/75	7/76	7/77	7/78
0	16.4	18.1	17.6	17.2
1	16.3	18.0	17.5	17.0
2	16.1	17.8	17.2	16.8
3	16.1	17.7	17.1	16.7
4	15.8	17.7	16.9	16.5
5	16.1	17.7	16.6	16.4
6	16.6	18.0	16.7	16.7
7	17.2	18.2	16.8	17.1
8	17.6	18.5	16.3	17.4
9	18.0	18.7	17.7	17.9
10	18.3	19.1	18.2	18.4
11	18.6	19.4	18.6	18.8
12	18.7	19.6	18.9	19.1
13	18.8	19.7	19.1	19.3
14	18.6	19.6	19.3	19.4
15	18.5	19.5	19.3	19.4
16	18.2	19.3	19.1	19.2
17	17.8	19.0	18.9	18.9
18	17.4	18.7	18.7	18.5
19	17.2	18.5	18.5	18.1
20	17.1	18.5	18.3	18.0
21	17.0	18.4	18.2	17.8
22	16.8	18.3	18.0	17.6
23	16.7	18.1	17.9	17.4
Mean	17.3	18.6	18.0	17.9
Mean Min.	15.3	17.4	16.4	16.2
Mean Max.	19.2	19.8	19.7	19.7
Absol. Min.	10.4	15.6	13.0	13.0
Absol. Max.	23.2	22.3	24.0	24.5

SUMMARY OF TEMPERATURE

July	Mean	Mean Max.	Mean Min.	Absol. Max.	Absol. Min.
Oceanside (8 yrs.)	19.0	22.3	15.7	27.7	8.9
Newport Beach Harbor (30 yrs.)	19.7	23.1	16.3	41.1	9.4

Station Description

Oceanside: ELE 18' 3 min NW of Post Office  
Newport : ELE 8' At or near Balboa

GLR:or5B