

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

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 FACIL: 50-361 San Onofre Nuclear Station, Unit 2, Southern California 05000361
 50-362 San Onofre Nuclear Station, Unit 3, Southern California 05000362
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 RECIP. NAME: KNIGHTON, G.W. RECIPIENT AFFILIATION: Licensing Branch 3

SUBJECT: Forwards mass & energy data for use in containment pressure/ temp analysis per H Rood request.

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EXTERNAL:	ACRS 41	6 6		BNL (AMDTs ONLY)	1 1
	DMB/DSS (AMDTs)	1 1		FEMA-REP DIV 39	1 1
	LPDR 03	1 1		NRC PDR 02	1 1
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NOTES:		3 3			

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K. P. BASKIN
MANAGER OF NUCLEAR ENGINEERING,
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April 7, 1983

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Director, Office of Nuclear Reactor Regulation
Attention: George W. Knighton, Branch Chief
Licensing Branch No. 3
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

Gentlemen:

Subject: Docket Nos. 50-361 and 50-362
San Onofre Nuclear Generating Station
Units 2 and 3

Enclosed as requested by Mr. H. Rood is mass and energy data for use
in a containment pressure/temperature analysis to be conducted by the NRC.

Please let me know if you have any questions.

Very truly yours,

cc: H. Rood- NRC ("To Be Opened By Addressee Only")

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PDR ADOCK 05000361
P PDR

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ASSUMPTIONS FOR CONTAINMENT PRESSURE/TEMPERATURE ANALYSIS

SAN ONOFRE NUCLEAR GENERATING STATION
UNITS 2 AND 3

1. Most severe LOCA - Double-ended suction leg slot break (DESLS).
2. Mass and Energy Release - FSAR Table 6.2-4 Part B with revised decay heat data (attached) to reflect 50% reactor power level beyond 600 seconds.
3. Engineered Safety Features Operating Assumptions
 - a. Four Safety Injection Tanks (SIT)
 - b. One Train High Pressure Safety Injection (HPSI)
 - c. One Train Low Pressure Safety Injection (LPSI)
 - d. One Train Containment Spray System (CSS)
 - e. No Containment Cooling Systems (CCS)
 - f. One Train Shutdown Heat Exchanger (SDHX)

FSAR TABLE 6.2-4, PART B (REVISED)
 MASS AND ENERGY RELEASE FOR CONTAINMENT PRESSURE/
 TEMPERATURE ANALYSIS

SAN ONOFRE NUCLEAR GENERATING STATION
 UNITS 2 AND 3

<u>Time(s)</u>	<u>Mass Release Rate (lbm/s)</u>	<u>Energy Flow Rate (10^6 BTU/s)</u>	<u>Enthalpy (BTU/lbm)</u>
600	44.47	.052435	1179.08
700	43.71	.051500	1178.20
800	42.66	.050225	1177.35
900	41.61	.048958	1176.47
1×10^3	40.59	.047724	1175.68
1.5×10^3	36.38	.042639	1171.80
2×10^3	32.16	.037585	1168.48
3×10^3	29.24	.034023	1163.34
3.71×10^3	27.13	.031484	1160.44
3.71×10^3	30.20	.035053	1160.44
4×10^3	29.20	.033883	1160.38
5×10^3	27.47	.031958	1163.03
6×10^3	25.71	.029927	1163.87
8×10^3	24.31	.028307	1164.24
1×10^4	22.85	.026600	1164.04
1.5×10^4	21.14	.024602	1163.31
2×10^4	19.43	.022594	1162.45
3×10^4	17.64	.020484	1161.14
4×10^4	15.86	.018402	1159.94
5×10^4	14.99	.017387	1159.14
6×10^4	14.14	.016392	1158.68
8×10^4	13.34	.015452	1157.80
1×10^5	12.56	.014538	1156.90