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SUBJECT: Forwards addl info required for NRC analysis of auxiliary feedwater piping sys, in response to NRC 810727 ltr.

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August 13, 1981

SCE/LLL-10

Dr. Tien-Yuh Chuang
Lawrence Livermore National Laboratory
P.O. Box 808
Livermore, California 94550



Gentlemen:

Subject: Information Request, Auxiliary Feedwater Piping Systems
San Onofre Nuclear Generating Station
Unit 1

Per your letter dated July 27, 1981, I have enclosed (as listed in Attachment I) the majority of additional information required for your analysis. Unfortunately, some of the information you requested is not available and, therefore, will not be provided. The information not provided is also listed in Attachment I.

Isometrics for the line numbers specified in items 1a and 1b of your letter are not available. However, I have enclosed the related plan and section drawings from which isometrics can be developed.

In regards to Item 4 of your letter, the most efficient way to obtain the information you have requested, is for you to contact the suppliers directly. The information you have previously received along with the enclosed valve numbers should aid you in obtaining the desired descriptions.

Finally, in reference to your question in Item 6, the emergency arresting stops were added to the system in order to prevent damage that can be caused by seismic and dynamic loads. The stops provide clearance and flexibility to the system; consequently, the stops protect the system from breakage due to phenomena such as water hammer.

If you have any questions on any of this information, please let me know.

Sincerely,

R. C. Elaschke
Project Engineer

8108260080 810813
PDR ADCK 05000206
PDR

Enclosures

cc: (w/Attachment 1)
C. Burger (NRC)
K. Herring (NRC)
S. Nowicki (NRC)
P. D. Smith (LLL)

Handwritten initials/signature

ATTACHMENT 1

LISTING OF INFORMATION PROVIDED

<u>REQUESTED INFORMATION</u>	<u>SOURCE OF REQUEST</u>	<u>INFORMATION PROVIDED</u>	<u>INFORMATION NOT PROVIDED</u>	<u>REASON NOT PROVIDED</u>
Piping Stress Isometrics - Steam System Line Numbers	Item 1(a)			
	(i)	Steam Lines 3-20"-EG 4-20"-EG 5-20"-EG		
	(ii)	Steam Lines 6-24"-EG 7-24"-EG		
	(iii)	See Plan and Section Drawings - Item 2(a)	Steam Lines 50-24"-EG 51-24"-EG	Isometrics not available.
	(iv)	Steam Lines 69-3"-EG		
Piping Stress Isometrics - Fire Protection System	Item 1(b)			
	(i)	See Plan and Section Drawings Listed in Item 2(a)	System Line 437-8"-KP1	Isometrics not available.
Line Numbers	(ii)		System Lines 811-8"-KN1 814-8"-KN	Isometrics not available. Isometrics not available.
	(iii)		System Line 814-6"-KN	Isometrics not available.
	(iv)		System Line 816-8"-KN	Isometrics not available.
	(v)		System Line 843-4"-KN	Isometrics not available.
	(vi)	System Line 8066-6"-KN		
	(vii)	System Line 8072-2"-KN		
Piping Details	Item 2(a)	Plan and Section	5154158	
		Drawings	568693	
			568692	
			568656	
			568652	
			568644	
			568646	
			568641	
			5154097	
			568669	
			568630	
			568631	
			568618	
			568619	
			568586	
			568587	
	5154144			

<u>REQUESTED INFORMATION</u>	<u>SOURCE OF REQUEST</u>	<u>INFORMATION PROVIDED</u>	<u>INFORMATION NOT PROVIDED</u>	<u>REASON NOT PROVIDED</u>
Hanger Tag Numbers	Item 2(b) (i) (ii) (iii)	88-RS-1 6-380-PS-4 6-380-RH-1 6-380-RH-3 6-380-RS-5 87-AN-2 87-G2-1		
Piping Design and Material Specification	Item 3(a)	M-18668, Specs EG CG KN KN1		
	Item 3(b)	M-18668, specs HH HP KP1		
Valve Dimension, Weight Yoke Length and Operator Weight	Item 4	M-18669, Master Valve list, sheet numbers 23, 46, and 93.		
Detail Drawing for Expansion Joint	Item 5	Drawing 334762-0	Detail Drawing	Not available.
Emergency Arresting Stop Numbers - Hanger Detail	Item 6	As-built drawing - Emergency Arresting Stop		

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