



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION III
799 ROOSEVELT ROAD
GLEN ELLYN, ILLINOIS 60137

FEB 7 1981

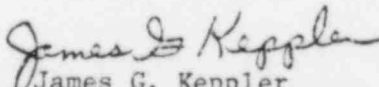
MEMORANDUM FOR: J. B. McCarten, Investigation Specialist, Region III
FROM: James G. Keppler, Director, Region III
SUBJECT: AUTHORITY TO ADMINISTER OATHS OR AFFIRMATIONS

You are hereby delegated authority to administer oaths or affirmations in accordance with Section 161c of the Atomic Energy Act of 1954, as amended, in furtherance of the following investigation:

Zimmer Nuclear Power Station
Allegations made by Thomas Applegate and other individuals concerning construction practices onsite.

This authority extends to all interviews that you may conduct during the course of this investigation and may be exercised as you deem appropriate. This authority cannot be redelegated and does not extend beyond the instant investigation.

This matter was coordinated with James Murray of the Office of the Executive Legal Director on February 6, 1981.


James G. Keppler
Director

cc: Dudley Thompson, E&I
James Murray, OELD

Table 5.10 Review of Pipe Weld Radiographs

Weld Identification	Weld Seam	Pipe Thickness (in.)	Pipe Outside Diameter (in.)	Radiograph		Results			
				Area of Interest	RT Date				
1FC14CA851(2346)	A	0.322	8-5/8	1-2	7/76	NID*			
				4-1		NID			
				2-3		NID			
	B			1-2	NID				
				4-1	NID				
				2-3	NID				
	C			1-2	NID				
				4-1	NID				
				3-4	NID				
	1FC14CA8118A(2410)			A	0.322	8-5/8	1-2	1/76	NID
							2-3		NPS**
							3-4		NPS
4-1		NPS							
B		1-2	NPS						

* NID--no identified deficiencies.

** NPS--no penetrameter shim.

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Table 5.10 (continued)

Weld Identification	Weld Seam	Pipe		Radiograph		RT Date	Results
		Thickness (in.)	Outside Diameter (in.)	Area of Interest			
					2-3		NPS
					3-4		NPS
					4-1		NPS
1HG47A21/2-25	A		2-1/2	4-1			NPS
				3-4			NPS
	D			1-2			NPS
				4-1			NPS
1DG14AA8-57	G	0.280	6-5/8	4-1		10/76	NPS
				3-4			NPS
	E			1-4			NID
				3-4			NID
1FW02AB23-85-55	A	1.756	23-7/8	1-2		7/75	NID
				2-3			NID
				6-1			NID
	B			1-2			NID
				4-5			NID

Table 5.10 (continued)

Weld Identification	Weld Seam	Pipe		Radiograph Area of Interest	RT Date	Results
		Pipe Thickness (in.)	Pipe Outside Diameter (in.)			
				6-1		NID
1FW02C23-83-29	B	1.725	24	1-2	12/75	NID
				2-3		NID
				6-1		NID
	D			1-2		NID
				3-4		NID
				6-1		NID
	C			6-1		NID
1LP02A127(1622)	B	0.375	12-3/4	4-1		NID
				2-3		NID
				1-2		NID
	E			4-1		NID
				3-4		NID
				1-2		NID
1LP02A127(1622)	F	0.375	12-3/4	1-2		NID
				3-4		NID
				4-1		NID

Table 5.10 (continued)

Weld Identification	Weld Seam	Pipe		Radiograph Area of Interest	RT Date	Results			
		Pipe Thickness (in.)	Outside Diameter (in.)						
1DG18AC823(3213)	B	0.322	8-1/8	1-2		NID			
				3-2		NID			
				4-1		NID			
	C			4-1		NID			
				1-2		NID			
				3-4		NID			
	D			1-2		NID			
				2-3		NID			
				4-1		NID			
	1FC01B128			A	0.396	10-3/4	1-2		NID
							2-3		NID
							4-1		NID
B		1-2		NID					
		3-4		NID					
		4-1		NID					
C		1-2		NID					
		2-3		NID					

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Table 5.10 (continued)

Weld Identification	Weld Seam	Pipe Thickness (in.)	Pipe Outside Diameter (in.)	Radiograph		RT Date	Results
				Area of Interest			
					4-1		NID
	D				1-2		NID
					3-4		NID
					4-1		NID
1DG18AA850	A	0.353	8-5/8		1-2		NID
					3-4		NID
					4-1		NID
	B				1-2		NID
					4-1		NID
					2-3		NID
	C				1-2		NID
					3-4		NID
					4-1		NID
1FC01CB105	M	0.365	10-3/4		1-2	3/76	NID
					3-4		NID
					4-1		NID
	N				1-2		NID

Table 5.10 (continued)

Weld Identification	Weld Seam	Pipe Thickness (in.)	Pipe Outside Diameter (in.)	Radiograph		RT Date	Results
				Area of Interest			
				4-1			NID
				3-4			NID
	P			4-1			NID
				1-2			NID
				3-4			NID
	Q			1-2			NID
				3-4			NID
				4-1			NID
	T	0.237	4-1/2	3-4		3/76	NID
				4-1			NID
				2-3			NID
	U			1-2			NID
				2-3			NPS
				3-4			NPS
	S			1-2			NID
				2-3			NID
				3-4			NID
1FC02AA812(F2305)	A	0.322	8-5/8	1-2			NID

Table 5.10 (continued)

Weld Identification	Weld Seam	Pipe Thickness (in.)	Pipe Outside Diameter (in.)	Radiograph		RT Date	Results
				Area of Interest			
					4-1		NID
					2-3		NID
	B				1-2		NID
					2-3		NID
					4-1		NID
	D				2-3		NID
					3-4		NID
					4-1		NID
	C				1-2		NID
					4-1		NID
					2-3		NID
1FC02AB817(2310)	A	0.522	8-5/8		1-2	1/76	NID
					4-1		NID
					2-3		NID
	B				2-3		NID
					4-1		NID
					3-4		NID

Table 5.10 (continued)

Weld Identification	Weld Seam	Pipe Thickness (in.)	Pipe Outside Diameter (in.)	Radiograph		RT Date	Results
				Area of Interest			
	C			2-3			NID
				4-1			NID
				3-4			NID
	F			1-2			NPS
				3-4			NPS
				4-1			NPS
1FC06B4128(2413)	B	0.237	4-1/2	1-2		7/76	NPS
				2-3			NPS
				4-1			NPS
1FC06B4128(2413)	A	0.237	4-1/2	1-2		7/76	NPS
				2-3			NPS
				4-1			NPS
	C			1-2			NPS
				4-1			NPS
				2-3			NPS
	D			1-2			NPS
				4-1			NPS

Table 5.10 (continued)

Weld Identification	Weld Seam	Pipe Thickness (in.)	Pipe Outside Diameter (in.)	Radiograph		RT Date	Results
				Area of Interest			
				3-4			NPS
1FC29B684(2380)	A	0.280	6-5/8	1-2		3/76	NPS
				3-4			NPS
				4-1			NPS
	B			1-2			NID
				4-1			NID
				3-4			NID
	C			1-2			NID
				4-1			NID
				2-3			NID
	G			1-2			NID
				4-1			NID
				3-4			NID
1HG07A 2½12A(3444)	A	0.203	2-7/8	1-2		1/77	NID
				2-3			NID
				3-4			NID
				4-1			NID

Table 5.10 (continued)

Weld Identification	Weld Seam	Pipe Thickness (in.)	Pipe Outside Diameter (in.)	Radiograph		RT Date	Results
				Area of Interest			
	B			1-2			NID
				4-1			NID
				2-3			NID
	C			1-2			NID
				3-4			NID
				4-1			NID
	F			1-2			NID
				2-3			NID
				4-1			NID
	J			1-2			NID
				2-3			NID
				3-4			NID
	H			1-2			NID
				2-3			NID
				4-1			NID
11401A35(3529)	D	0.216	3-1/2	4-1		2/77	NPS
				1-2			NPS

Table 5.10 (continued)

Weld Identification	Weld Seam	Pipe Thickness (in.)	Pipe Outside Diameter (in.)	Radiograph		RT Date	Results
				Area of Interest			
					2-3		NPS
					3-4		NPS
	A				1-2		NID
					3-4		NPS
					4-1		NPS
					2-3		NPS
	B				1-2		NPS
					2-3		NPS
					3-4		NPS
					4-1		NPS
1FC39CA621(2314)	D	0.280	6-5/8		1-2	1/76	NID
					2-3		NID
					3-4		NID
	B				1-2		NID
					2-3		NID
					3-4		NID
					4-1		NID
	G				1-2		NID

Table 5.10 (continued)

Weld Identification	Weld Seam	Pipe Thickness (in.)	Pipe Outside Diameter (in.)	Radiograph		RT Date	Results
				Area of Interest			
					2-3		NID
					3-4		NID
					4-1		NID
	E				1-2		NID
					2-3		NID
					3-4		NID
					4-1		NID
	A				1-2		NID
					2-3		NID
					3-4		NID
					4-1		NID
	F				1-2		NPS
					2-3		NPS
					3-4		NPS
					4-1		NID
	J				4-1		NID
					2-3		NID
					3-4		NID

Table 5.10 (continued)

Weld Identification	Weld Seam	Pipe		Radiograph Area of Interest	RT Date	Results
		Pipe Thickness (in.)	Outside Diameter (in.)			
				1-2		NID
1FW01AA193016(960)	A	1.411	20	1-2	2/75	NPS
				2-3		NPS
				3-4		NPS
				4-5		NPS
				5-1		NPS
	B			1-2		NPS
				2-3		NPS
				3-4		NPS
				4-5		NPS
				5-1		NPS
1FW01AA193015(959)	A	1.411	20	1-2	2/75	NID
				2-3		NID
				3-4		NID
				4-5		NID
				5-1		NID
	B			1-2		NID
				2-3		NID

Table 5.10 (continued)

Weld Identification	Weld Seam	Pipe		Radiograph Area of Interest	RT Date	Results
		Pipe Thickness (in.)	Outside Diameter (in.)			
1FC02AB8-18(2311)	A	0.322	8-5/8	3-4	3/76	NID
				1-2		NPS
				2-3		NPS
				3-4		NPS
				4-1		NPS
	B	1-2	NID			
		2-3	NID			
		3-4	NID			
		4-1	NID			
		6-1	NID			
1FW01B23835(949)	A			1-2	2/75	NID
				2-3		NID
				3-4		NID
				4-5		NID
				5-6		NID
				6-1		NID
1FW01B23834(948)	A	1.725	24	1-2	9/75	NID
				4-5		NID
				6-1		NID

Table 5.10 (continued)

Weld Identification	Weld Seam	Pipe		Radiograph		RT Date	Results
		Thickness (in.)	Outside Diameter (in.)	Area of Interest			
	B			6-1			NID
				1-2			NID
				2-3			NID
				3-4			NID
	E			1-2			NID
				2-3			NID
				3-4			NID
				4-5			NID
				5-6			NID
				6-1			NID
	F			1-2			NPS
				2-3			NPS
				3-4			NPS
				4-1			NID
1HP05131028	A	0.396	10-3/4	1-2	8/74		NID
				3-4			NID
				2-3			NID
1LP05A1218(1634)	A	0.375	12-3/4	1-2	7/75		NID

Table 5.10 (continued)

Weld Identification	Weld Seam	Pipe		Radiograph Area of Interest	RT Date	Results
		Pipe Thickness (in.)	Outside Diameter (in.)			
				2-3		NID
				3-4		NID
				4-1		NID
	B			1-2		NID
				2-3		NID
				3-4		NID
				4-1		NID
	D			4-1		NID
				3-4		NID
				2-3		NID
				1-2		NID
1LP02B102(1616)	A	0.593	10-3/4	1-2	8/75	NID
				2-3		NID
				3-4		NID
	B			1-2		NID
				2-3		NID
				3-4		NID
	C			1-2		NID

Table 5.10 (continued)

Weld Identification	Weld Seam	Pipe Thickness (in.)	Pipe Outside Diameter (in.)	Radiograph		RT Date	Results
				Area of Interest			
					2-3		NID
					4-1		NID
1LP02B104(1618)	A	0.593	10-3/4	1-2		5/75	NID
					2-3		NID
					3-4		NID
	B			1-2			NID
					2-3		NID
					4-1		NID
10G01AA122(368)	A	0.687	12-3/4	1-2		4/76	NID
					2-3		NID
					4-1		NID
	B			4-1			NID
					3-4		NID
	H			1-2			NID
					2-3		NID
					3-4		NID
1RD28CA1010(3491)	B	0.593	10-3/4	1-2		7/76	NPS
					2-3		NPS

Table 5.10 (continued)

Weld Identification	Weld Seam	Pipe Thickness (in.)	Pipe Outside Diameter (in.)	Radiograph		RT Date	Results
				Area of Interest			
					3-4		NPS
					4-1		NPS
1CY01AB16504(3129)	A	0.375	16		4-1	4/76	NID
					3-4		NID
					1-2		NID
	B				1-2		NID
					2-3		NID
					3-4		NID
					4-1		NID
	C				4-1		NID
					2-3		NID
					3-4		NID
					1-2		NID
	D				4-1		NID
					3-4		NID
					2-3		NID
10G09AC221(2428)	C	0.375	22		1-2	8/76	NID
					2-3		NID

Table 5.10 (continued)

Weld Identification	Weld Seam	Pipe		Radiograph Area of Interest	RT Date	Results
		Pipe Thickness (in.)	Pipe Outside Diameter (in.)			
				3-4		NID
				4-5		NID
	D			5-6		NID
1DG09AC221(2428)	D	0.275	22	2-3	8/76	NID
				6-1		NID
1DG10AC2814	C	0.375	28	1-2	2/77	NID
				5-6		NID
				6-1		NID
1DG10AC2813	C	0.437	28	1-2	2/77	NID
				6-1		NID
				4-5		NID
1FC-09B828A	A	0.322	8-5/8	1-2		NID
				4-1		NID
				3-4		NID
	C			1-2		NID
				2-3		NID
				4-1		NID
	D			1-2		NID

Table 5.10 (continued)

Weld Identification	Weld Seam	Pipe		Radiograph Area of Interest	RT Date	Results
		Pipe Thickness (in.)	Outside Diameter (in.)			
				4-1		NID
				3-4		NID
	E			1-2		NID
				4-1		NID
				2-3		NID
	F			1-2		NID
				2-3		NID
				4-1		NID
1FC09CA838	A	0.322	8-5/8	1-2	4/76	NID
				3-4		NID
				4-1		NID
	C			1-2		NPS
				3-4		NPS
				2-3		NPS
				4-1		NPS
	B			1-2		NID
				4-1		NID
				2-3		NID

Table 5.10 (continued)

Weld Identification	Weld Seam	Pipe		Radiograph Area of Interest	RT Date	Results
		Thickness (in.)	Outside Diameter (in.)			
	D			1-2		NID
				4-1		NID
				3-4		NID
	F			1-2		NID
				4-1		NID
				3-4		NID
	G			1-2		NPS
				2-3		NPS
				3-4		NPS
				4-1		NPS
	E			1-2		NID
				4-1		NID
				2-3		NID
	H			1-2		NPS
				2-3		NPS
				3-4		NPS
				4-1		NPS
	J			1-2		NPS

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Table 5.10 (continued)

Weld Identification	Weld Seam	Pipe Thickness (in.)	Pipe Outside Diameter (in.)	Radiograph		RT Date	Results
				Area of Interest			
					2-3		NPS
					3-4		NPS
					4-1		NPS
1FC12A8-29	C	0.322	8-5/8	1-2	6/76		NID
				2-3			NID
				3-4			NID
	D			1-2			NPS
				2-3			NPS
				3-4			NPS
				4-1			NPS
	E			1-2			NID
				4-1			NID
				2-3			NID
	K			1-2			NID
				4-1			NID
				3-4			NID
	F			1-2			NID
				4-1			NID

Table 5.10 (continued)

Weld Identification	Weld Seam	Pipe		Radiograph		RT Date	Results
		Thickness (in.)	Outside Diameter (in.)	Area of Interest			
					3-4		NID
	G				1-2		NID
					4-1		NID
					2-3		NID
	H				1-2		NID
					4-1		NID
					3-4		NID
1HP01A204A(1727)	A	0.375	20		6-1	11/75	NPS
					5-6		NPS
					4-5		NPS
					3-4		NPS
					2-3		NPS
					1-2		NPS
1FC14AA866	B	0.353	8-5/8		1-2	5/76	NID
					4-1		NID
					2-3		NID
	C				1-2		NPS
					4-1		NPS

Table 5.10 (continued)

Weld Identification	Weld Seam	Pipe Thickness (in.)	Pipe Outside Diameter (in.)	Radiograph		RT Date	Results
				Area of Interest			
					2-3		NPS
					3-4		NPS
	E				1-2		NPS
					2-3		NPS
					3-4		NPS
					4-1		NPS
	A				1-2		NID
					4-1		NID
					2-3		NID
	F				1-2		NID
					4-1		NID
					2-3		NID
	G	0.280	6-5/8		1-2		NID
					4-1		NID
					3-4		NID
	D	0.353	8-5/8		1-2		NID
					4-1		NID
					3-4		NID

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Table 5.10 (continued)

Weld Identification	Weld Seam	Pipe		Radiograph Area of Interest	RT Date	Results
		Pipe Thickness (in.)	Pipe Outside Diameter (in.)			
1MS08AA10310(3660)	A	0.365	10.75	1-2		NPS
				2-3		NPS
				3-4		NPS
				4-1		NPS
1FW02GB1849(2992)	A	1.375	18	4-1	10/75	NID
				3-4		NID
				2-3		NID
				1-2		NID
	G	1.000	12.75	1-2		NID
				2-3		NID
				3-4		NID
				4-1		NID
	C	1.375	18	1-2		NPS
				2-3		NPS
				3-4		NPS
				4-1		NPS
J	1.000	12.75	1-2		NPS	
			2-3		NPS	

Table 5.10 (continued)

Weld Identification	Weld Seam	Pipe		Radiograph Area of Interest	RT Date	Results
		Thickness (in.)	Outside Diameter (in.)			
				3-4		NPS
				4-1		NPS
	H			2-3		NPS
				1-2		NPS
				3-4		NPS
	D	1.156	18	1-2		NPS
				4-1		NPS
				3-4		NPS
				2-3		NPS
1MS09AB10320(3665)	A	0.365	10.75	1-2		NPS
				2-3		NPS
				3-4		NPS
				4-1		NPS
1FW04AB110057(979)	A	0.840	11	1-2	1, 5	NPS
				2-3		NID
				3-4		NID
				4-1		NID
	B			1-2		NPS

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Table 5.10 (continued)

Weld Identification	Weld Seam	Pipe Thickness (in.)	Pipe Outside Diameter (in.)	Radiograph		RT Date	Results
				Area of Interest			
					2-3		NPS
					3-4		NPS
					4-1		NPS
	C				1-2		NID
					2-3		NID
					3-4		NID
					4-1		NID
1HP06B420(1738)	A	0.437	4-1/2		1-2	3/76	NID
					2-3		NID
					3-4		NID
					4-1		NPS
	B				1-2		NPS
					2-3		NPS
					3-4		NPS
					4-1		NPS
	C				1-2		NID
					2-3		NID
					3-4		NID

Table 5.10 (continued)

Weld Identification	Weld Seam	Pipe Thickness (in.)	Pipe Outside Diameter (in.)	Radiograph		RT Date	Results
				Area of Interest			
					4-1		NID
	D				1-2		NID
					2-3		NID
					3-4		NID
					4-1		NID
1HP01A203(1725)	A	0.375	20		2-3	1/76	NPS
					1-2		NPS
					3-4		NPS
					4-5		NPS
					5-6		NPS
					6-1		NPS
	L				1-2		NID
					2-3		NID
					6-1		NID
	D				1-2		NID
					2-3		NID
					6-1		NID
	E				6-1		NID

Table 5.10 (continued)

Weld Identification	Weld Seam	Pipe Thickness (in.)	Pipe Outside Diameter (in.)	Radiograph	RT Date	Results
				Area of Interest		
				4-5		NID
				1-2		NID
	H			1-2		NID
				5-6		NID
				6-1		NID
	J			6-1		NID
				5-6		NID
				3-4		NID
1MS08AC10307(3637)	A	0.365	10-3/4	1-2		NID
				3-4		NID
				4-1		NID
	B			1-2		NID
				4-1		NID
				3-4		NID
1HP03A1415(1736)	F	0.437	3-1/2	1-2	10/76	NID
				2-3		NID
				3-4		NID
	A			4-1		NID

Table 5.10 (continued)

Weld Identification	Weld Seam	Pipe Thickness (in.)	Pipe Outside Diameter (in.)	Radiograph		RT Date	Results
				Area of Interest			
					2-3		NID
					1-2		NID
	B				1-2		NID
					2-3		NID
					3-4		NID
					4-1		NID
	C				1-2		NID
					2-3		NID
					4-1		NID
	D				1-2		NID
					4-1		NID
					3-4		NID
1HP06C421(1739)	A	0.237	4-1/2		1-2	2/76	NPS
					2-3		NPS
					3-4		NID
					4-1		NPS
	B				1-2		NID
					2-3		NID

Table 5.10 (continued)

: Weld Identification	Weld Seam	Pipe		Radiograph Area of Interest	RT Date	Results
		Pipe Thickness (in.)	Pipe Outside Diameter (in.)			
				3-4		NID
				4-1		NID
1MS01BE248(1020)	A	0.875	24.25	1-2	1/75	NID
				5-6		NID
				6-1		NID
	B			1-2		NID
				6-1		NID
				5-6		NID
1MS08AC10307(3637)	A	0.365	10-3/4	1-2		NID
				3-4		NID
				4-1		NID
	B			1-2		NID
				4-1		NID
				3-4		NID
1MS08AB10312(3638)	A	0.365	10-3/4	1-2		NID
				4-1		NID
				2-3		NID
1MS08AD10141	A	0.427	10-3/4	1-2		NID

Table 5.10 (continued)

Weld Identification	Weld Seam	Pipe Thickness (in.)	Pipe Outside Diameter (in.)	Radiograph		RT Date	Results
				Area of Interest			
					4-1		NID
					2-3		NID
	B				1-2		NID
					3-4		NID
					4-1		NID
	C				1-2		NID
					2-3		NID
					4-1		NID
1MS20B3169(2999)	D	0.437	3-1/2		1-2	5/76	NPS
					2-3		NPS
					3-4		NPS
					4-5		NPS
					5-1		NPS
	E				1-2		NPS
					2-3		NPS
					3-4		NPS
					4-5		NPS
					5-1		NPS

Table 5.10 (continued)

Weld Identification	Weld Seam	Pipe Thickness (in.)	Pipe Outside Diameter (in.)	Radiograph		
				Area of Interest	RT Date	
						Results
	G			1-2		NPS
				3-4		NPS
				4-5		NPS
				5-1		NPS
				2-3		NPS
	C			1-2		NPS
				2-3		NPS
				3-4		NPS
				4-5		NPS
				5-1		NPS
	A			1-2		NPS
				2-3		NPS
				3-4		NPS
				4-5		NPS
				5-1		NPS
1MS20B3169(2999)	F	0.437	3-1/2	1-2	5/76	NPS
				2-3		NPS
				3-4		NPS

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Table 5.10 (continued)

Weld Identification	Weld Seam	Pipe Thickness (in.)	Pipe Outside Diameter (in.)	Radiograph	RT	Results
				Area of Interest	Date	
				4-5		NPS
				5-1		NPS
	B			1-2		NPS
				2-3		NPS
				3-4		NPS
				4-5		NPS
				5-1		NPS
IMS09AB10140	A	0.427	10-3/4	1-2		NID
				4-1		NID
				2-3		NID
	B			3-4		IS***
				5-7		IS
				4-5		IS
				2-3		IS
				1-2		NID
	C			1-2		NID
				4-1		NID

***IS--insufficient shim.

Table 5.10 (continued)

Weld Identification	Weld Seam	Pipe Thickness (in.)	Pipe Outside Diameter (in.)	Radiograph	RT Date	Results
				Area of Interest		
				3-4		NID
	D			1-2		NID
				4-1		NID
				3-4		NID
1MS10AA10145	E	0.396	10-3/4	1-2		NID
				4-1		NID
				3-4		NID
	D			1-2		NID
				4-1		NID
				3-4		NID
	E			1-2		NID
				2-3		NID
				4-1		NID
	A			1-2		NID
				2-3		NID
				4-1		NID
	B			1-2		NID
				2-3		NID

Table 5.10 (continued)

Weld Identification	Weld Seam	Pipe Thickness (in.)	Pipe Outside Diameter (in.)	Radiograph	RT Date	Results
				Area of Interest		
				4-1		NID
	C			1-2		NID
				4-1		NID
				3-4		NID
1MS11A10335(3647)	A	0.365	10-3/4	1-2		NPS
				2-3		NPS
				3-4		NPS
				4-1		NPS
1MS08AB10316(3642)	A	0.365	10-3/4	1-2		NID
				4-1		NID
				3-4		NID
1MS08AC10112(1576)	A	0.365	10-3/4	1-2		NID
				4-1		NID
				2-3		NID
	B			1-2		NID
				4-1		NID
				2-3		NID
1MS01BA2411(1013)	A	0.894	24-1/4	1-2	2/75	NID

Table 5.10 (continued)

Identification	Weld Seam	Pipe Thickness (in.)	Pipe Outside Diameter (in.)	Radiograph		RT Date	Results
				Area of Interest			
					2-3		NID
					6-1		NID
	D				1-2		NID
					3-4		NID
					6-1		NID
	E				1-2		NID
					2-3		NID
					6-1		NID
1MS01BA2410	A	0.894	24-1/4		1-2		NID
					6-1		NID
					2-3		NID
1MS11A10134	A	0.365	10-3/4		1-2		NID
					4-1		NID
					2-3		NID
	B				4-1		NID
					3-4		NID
					1-2		NID
1MS11A10338(3650)	A	0.375	10-3/4		1-2		NID

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Table 5.10 (continued)

Weld Identification	Weld Seam	Pipe Thickness (in.)	Pipe Outside Diameter (in.)	Radiograph	RT Date	Results
				Area of Interest		
				2-3		NID
				4-1		NID
1MS09AA10321(3666)	A	0.365	10-3/4	1-2		NID
				4-1		NID
				2-3		NID
				2-3		NID
				1-2		NID
				4-1		NID
1MS08AD10298(3628)	A	0.365	10-3/4	1-2		NID
				4-1		NID
				2-3		NID
1MS10AB10127(1595)	A	0.365	10-3/4	4-1		NID
				3-4		NID
				1-2		NID
	C			4-1		NID
				3-4		NID
				1-2		NID
	B			1-2		NID

Table 5.10 (continued)

Identification	Weld Seam	Pipe Thickness (in.)	Pipe Outside Diameter (in.)	Radiograph	RT Date	Results
				Area of Interest		
				2-3		NID
				4-1		NID
	D			1-2		NID
				4-1		NID
				3-4		NID
1MS07AC10149A	A	0.427	10-3/4	1-2		NID
				2-3		NID
				4-1		NID
	B			1-2		NID
				4-1		NID
				2-3		NID
	C			1-2		NID
				2-3		NID
				4-1		NID
1MS07AB10158A	A	0.427	10-3/4	1-2		NID
				2-3		NID
				4-1		NID
	B			1-2		NID

Table 5.10 (continued)

Weld Identification	Weld Seam	Pipe Thickness (in.)	Pipe Outside Diameter (in.)	Radiograph		RT Date	Results
				Area of Interest			
					2-3		NID
					4-1		NID
1MS01BA2416(1028)	A	0.894	24-1/2	1-2		1/75	NID
					2-3		NID
					3-4		NID
					4-5		NID
					5-6		NID
					6-1		NID

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KAISER ENGINEERS, INC.
WM. H. ZIMMER POWER STATION

NONCONFORMANCE REPORT

NO. E 1777 PAGE OF

1. DWG/INSTALLATION NO. 2. DWG/INSTALLATION NAME: 3. PO/CONTRACT NO. 4. SUPPLIER/CONTRACTOR NAME:

M-471-3 REACTOR ISOLATION 7070 H. J. KAISER

INSPECTION PLAN NO.: 5. INSPECTOR: 7. DATE: 8. SPECIFICATION NO. ASME

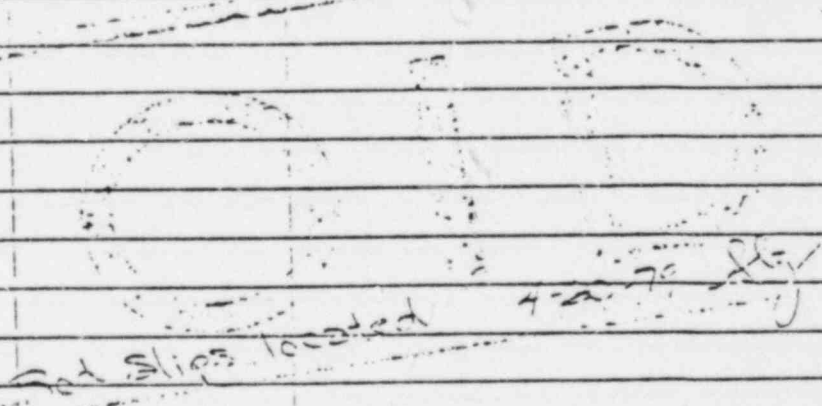
RI 195 TERRY DAKIN 4-3-79 11-2256 YES NO

DESCRIPTION OF NONCONFORMANCE 10. DISPOSITION 11. DISPOSITION INSTRUCTIONS/JUSTIFICATION

SYSTEM: REACTOR ISOLATION
LOCATION: PRIMARY CONTAINMENT
ELE. 546' AE 150' Re-weld (1) Cut welds and prepare for
re-welding per SPPM 2.1.1.2.2

DISCREPANCY: (2) Re-weld using welding information
stated on I-30-RI-195.

Weld B2 on I-30 RI
195 WAS WELDED WITHOUT Q.A.
DOCUMENTATION. POST WELD IN-
SPECTION WAS MADE AND FOUND
THE WELD FREE OF R.S. A SEARCH
WAS MADE AND NO ROL SLIPS
WERE FOUND



2. REVIEW BOARD (REQUIRED ON ALL ACCEPT/REPAIR DISPOSITIONS)

NA NA NA
SGL DATE CG&E SPONSOR ENGR DATE CG&E O.A.S.S. DATE KEI OAE DA

Ron Linn 4-26-79
KEI CONSTRUCTION ENGR. DATE
R. T. ... 4-27-79
KEI OAE DA

3. REPAIR/REWORK COMPLETE AND ACCEPTABLE
INSPECTOR/ENGINEER DATE

14. CAUSE QA Documentation misplac'd.
15. CORRECTIVE ACTION QA has issued instructions
to all inspectors concerning
weld rol slips and better
control of documentation

HENRY J. KAISER, CO.
WM. H. ZIMMER POWER STATION

INSPECTION NONCONFORMANCE REPORT
NO. E PAGE 1 OF 4

1. DWG/INSTALLATION NO. <u>E-145</u>	2. DWG/INSTALLATION NAME: <u>ELECT - INSTALLATION</u>	3. PO/CONTRACT NO. <u>7070</u>	4. SUPPLIER/CONTRACTOR NAME: <u>FEC</u>
5. INSPECTION PLAN NO.: <u>—</u>	6. INSPECTOR: <u>MARK PRIEBE</u>	7. DATE: <u>10-16-80</u>	8. SPECIFICATION NO. ASME <u>QACMI G-4</u> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>

9. DESCRIPTION OF NONCONFORMANCE	10. DISPOSITION	11. DISPOSITION INSTRUCTIONS/JUSTIFICATION
<p>LOCATION: CONTAINMENT SYSTEM: CONDUITS (FLEX) - LD, VP, AR, RI, RI</p> <p>REQUIREMENTS: QACMI G-4</p> <p>REF: SR 2800</p> <p>DEFICIENCY: THE N.W.C. LIQUIDITE TYPE OF FLEXIBLE CONDUIT, USED IN THE CONTAINMENT AREA, HAS BEEN SPLITTING. IT IS NOT CERTAIN TO WHAT IS CAUSING THE FLEX TO SPLIT. THE SPLITTING SEEMS TO BE CAUSED FROM ROTTING OR SOME OTHER REASON THAN MECHANICAL OR CONSTRUCTION CARELESSNESS. SOME EXAMPLES ARE PICTURED ON THE FOLLOWING PAGES.</p>		

12. REVIEW BOARD (REQUIRED IN ALL ACCEPT/REPAIR DISPOSITIONS)

S&L	DATE	CG&E SPONSOR ENGR DATE	CG&E Q.A.&S. DATE	KEI QAE	DATE

13. REPAIR/REWORK COMPLETE AND ACCEPTABLE

INSPECTOR/ENGINEER _____ DATE _____

14. CAUSE	15. CORRECTIVE ACTION

LOG OF NONCONFORMING MATERIAL REPORTS

KEY Control Number	NR # Essen.	NR # Non-Ess.	P/O Spec.	Equip. Name or Process	Date NR Initiated	KEY Constr. Engr.	Disp.	Approval Status			NR Closed
								Spon. Engr. QAS	S&L	KEY QAE	
1 4953	2738		H2256	Welding submittal pipe joint. Dd. 62	7-22-80	2-14-81	Review	N/A	2-17-81	N/A	3-20-81
2 4954	VOID		H-2174	Structural steel hold points	NR	NOT	ISSUED				7-23-80
3 4955	VOID		H2256	Seismic viol. between u-bolts, welding deficiencies	NR	NOT	ISSUED				9-30-80
4 4956	VOID		H-2256	Num. welding deficiencies on pipe hangers	NR	NOT	ISSUED				9-30-80
5 4957	VOID		H-2256	Num. welding deficiencies on pipe hangers	NR	NOT	ISSUED				9-30-80
6 4958	VOID		H-2256	Num. welding deficiencies on pipe hangers	NR	NOT	ISSUED				9-30-80
7 4959	VOID		H-2256	Num. welding deficiencies on pipe hangers	NR	NOT	ISSUED				9-30-80
8 4960	2606R2		H2256	PSK WS-33, NO DOL. FOR STATION ON LINE WS12AA16.	7-22-80	7-24-80	Rework	N/A	N/A	N/A	9-9-80
9 4961	5754		H2256	PSK RH-13, ARC STRIKE ON VALVE BODY.	7-18-80	9-18-80	Rework	N/A	9-19-80	9-22-80	11-18-80
10 4962	5059 R1		SPPM-16	PSK RH-15, GROUND AREA ON VALVE BODY. ISK'S RH54, 369265 VIOLATION OF BASE METAL REQ.	7-21-80	8-5-80	Rework	N/A	8-6-80	8-7-80	10-21-80
11 4963	2735	VOID	H2256	PSK RI-171, REPAIR NOT COMPLETED ON WELD B8.	7-22-80						8-21-80
12 4964	2737		H2174	AGENT PLATE USED ON ANGLE FOR BERM #11.	7-24-80	8-26-80	Rework	N/A	8-28-80	N/A	8-28-80
13 101.5	2754		N.O.I	SR 2016 EXPIRED 30 DAY LIMIT.	7-24-80	10-17-80	Accept	1-8-81	1-9-81	12-22-80	1-19-81

NO	DESCRIPTION	DATE	STATUS	REMARKS	DATE	STATUS	REMARKS	DATE	STATUS
4927	VOID				7-9-80	7-23-80	Repair	9-21-80	9-26-80
4928	2723			VED. LINER PUL- LED FROM PED. DUE TO WELDING	7-10-80	7-23-80	Repair	8-21-80	8-25-80
4929	2722			Plate separated from concrete SPIEL SURF.					
4930	VOID			IDC095 HR. UNDER SIZED WELDS.			NR		9-24-80
4931	VOID			IDC096HR			NR		9-24-80
4932	VOID			IDC097HR UNDER SIZED WELD & UNDERCUT.	19-80	VOID			9-29-80
4933	VOID			ISL'S MIS 43 + 313, LC 1, VARIOUS	9-8-80				8-14-80
4934	2717			DEFECTIVE, S-K. NOPPIS	A-36	8-1-80	Remov.		8-26-80
4935	2719			STRESS STAMPS ON PLATE.	7-11-80	7-25-80	Remov.		7-29-80
4936	2726			WELDS LEFT OPEN AFTER SAMPLES WERE TAKEN FROM STAMP	7-14-80	7-17-80	Remov.		9-10-80
4937	6214			WELDS DEFECTIVE CHECK ON CONDUIT	7-14-80	7-17-80	Remov.		9-10-80
4938	2727			TEST. DG. ROOM SHELMIE VIOLA HORN, ET AL. + CEPE. DUB. E-21	7-15-80	7-25-80	Remov.		7-29-80
4939	2725			Box #16 used w/o paper doc. no photo - 15K RE-17 K-1/2 K-1/2	7-15-80	7-25-80	Remov.		7-30-80
					7-16-80	10-7-80	Remov.		10-8-80

HENRY J. KAISER, CO.

WM. H. ZIMMER POWER STATION

NONCONFORMANCE REPORT
NO. E-2466 PAGE 1 OF 3

1. DWG/INSTALLATION NO. VARIOUS 2. DWG/INSTALLATION NAME: DC, LIB HANGERS 3. PO/CONTRACT NO. 7070 4. SUPPLIER/CONTRACTOR NAME: HJTR/CG&E

5. INSPECTION PLAN NO.: VARIOUS 6. INSPECTOR: BELOHER/RAMSEY/RUIZ 7. DATE: 1/3/80 8. SPECIFICATION NO. VARIOUS NONE ESSENTIAL YES NO

9. DESCRIPTION OF NONCONFORMANCE 10. DISPOSITION 11. DISPOSITION INSTRUCTIONS/RECOMMENDATION

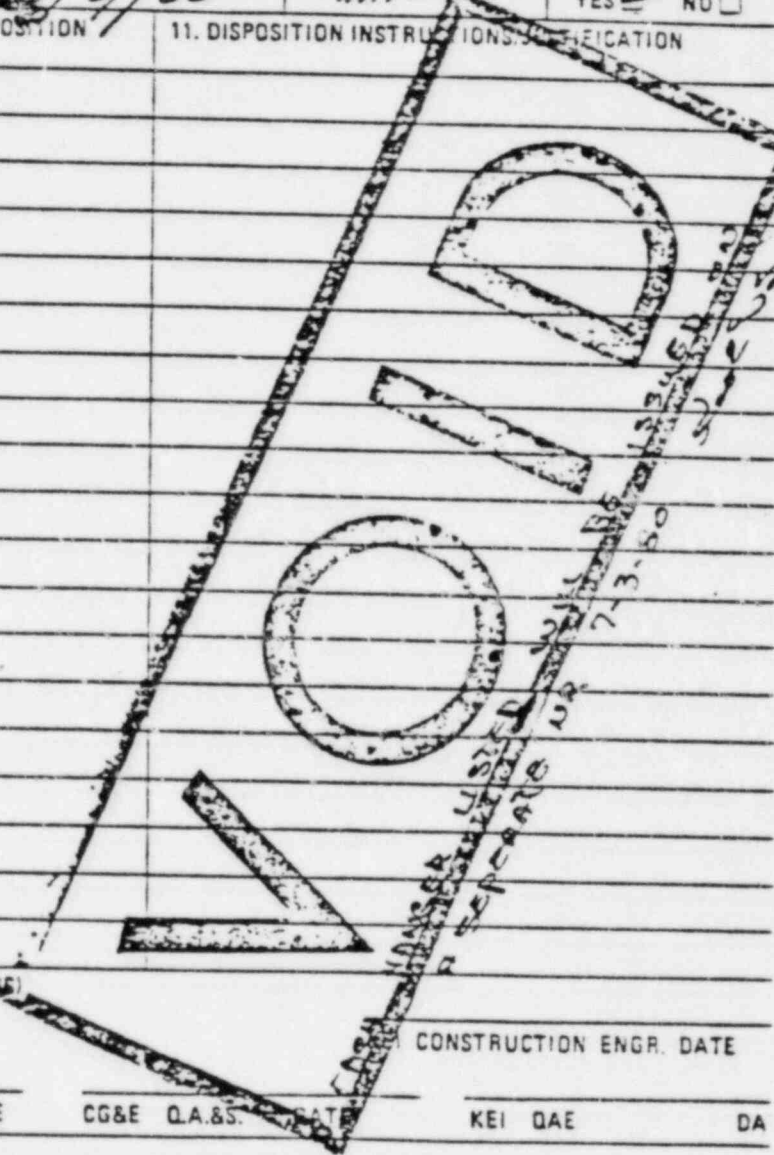
SYSTEM & DIESEL GENERATOR (DC)

LOCATION & DIESEL GENERATOR

BUILDING 'A,B,C'

REF: QALC-M-12, QALC-M-15, SAPM-4.6, DDC-565-328

CONDITION: THE FOLLOWING PROCESS PIPE HANGERS WERE INSPECTED FOR WELD ACCEPTABILITY AND MILTI BOLT ACCEPTABILITY. DURING THE TIME OF INSPECTION THE PROCEDURES CHANGED REQUIRING ON A SURVEILLANCE BASIS.



12. REVIEW BOARD (REQUIRED ON ALL ACCEPT/REPAIR DISPOSITIONS)

S&L DATE CG&E SPONSOR ENGR DATE CG&E Q.A.&S. DATE KEI QAE DA

13. REPAIR/REWORK COMPLETE AND ACCEPTABLE

INSPECTOR/ENGINEER DATE

14. CAUSE 15. CORRECTIVE ACTION

Description of Inspection

10. Dispositions

11. Disposition Instructions & Details

INSPECTION FOR CONFIGURATION
 AND LOCATION, ANY
 DEFICIENCIES THAT
 WERE FOUND ON THESE
 HANGERS IS SO NOTED.
 ITEMS IN THIS N/R WHICH
 ARE IDENTIFIED WITH
 AN "*" APPEAR TO BE
 VENDOR SUPPLIED WELDS.

106096 HR REV. B 1-8-80
 WELD: RUST, SLAG, POROSITY,
 UNDER-CUT GREATER THAN 1/32 IN.
 LACK OF FUSION, COLD LAP &
 ARC STRIKE IN HEAT AFFECTED
 ZONE. "U" BOLT NUTS NOT
 WELDED.

106095 HR REV. A 1-8-80
 WELD: SLAG, BLOW HOLE, COLD
 LAP, POROSITY & RUST.
 "U" BOLT NUTS ARE NOT WELDED.

106097 HR REV. A 1-8-80
 ALL WELDS: SLAG, POROSITY,
 LACK OF FUSION, COLD LAP,
 RUST & LACK OF FUSION
 GREATER THAN 1/32 INCH,
 "U" BOLT NUTS ARE NOT WELDED.

106031 HR REV. B 1-8-80
 ALL WELDS: COLD LAP ARC
 STRIKES & UNDER-CUT GREATER
 THAN 1/32 INCH.

~~106011 SR REV. A 1-8-80
 ITEM-3 TO ITEM-2'S HEAVY
 PAINT COVERS UNDER-CUT
 SUSPECTED OF EXCEEDING
 1/32 INCH.~~

~~106048 HR REV. A 1-8-80
 WELDS: EVIDENCE OF COLD
 LAP & UNDER-CUT UNDER
 PAINT.~~

1DGG19 HR REV.A 1-8-80

ALL WELDS - COVERED WITH
SLAG

1DGG91 HR REV.A 1-8-80

~~WELD - HEAVY SPATTER, EVIDENCE
OF PIN HOLE & POSSIBLE
CRACKS. "U"-BOLT NUTS ARE
NOT TACKED.~~

1DGG32 HR REV.A 1-8-80

ITEM #1 TO EMBEDMENT
PLATES: SLAG & RUST PRE-
VENTS ADEQUATE INSPECTION.
UNDER-CUT GREATER THAN
 $\frac{1}{32}$ INCH.

ITEM #2 TO ITEM #1: COLD
LAP & WELD SPATTER. UNDER-
CUT GREATER THAN $\frac{1}{32}$ INCH

1DGG37 HR REV.C 1-8-80

ITEM #7 (SOUTH SHEAR LUG):
INCOMPLETELY WELDED.

ITEM #7 (NORTH SHEAR LUG):
UNDER-SIZED FILLET, APPROX.
 $\frac{1}{8}$ " INSTEAD OF REQUIRED
 $\frac{3}{16}$ " FILLET.

ITEM #3 TO ITEM #4: UNDER-
SIZED FILLET LESS THAN $\frac{1}{8}$ IN.
& LACK OF FUSION.

1DGG130 HR REV.B 1-9-80

ANGLE TO PLATE: UNDER-CUT
GREATER THAN $\frac{1}{32}$ INCH. IN-
COMPLETE WELD & FILLET IS UNDER-
SIZED - $\frac{1}{8}$ " INSTEAD OF REQUIRED
FILLET: HEAVY RUST.
VENDOR WELDS

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10. Description of Nonconformance

11. Date of Close

12. Classification Instructions & Details

IDG 131 HR REV. B 1-9-80
 ANGLE TO PLATE: HEAVY
 RUST & SLAG. INCOMPLETE
 WELD & UNDER-SIZE FILLET.
 1/8 IN. INSTEAD OF REQUIRED
 1/4 INCH.

IDG 043 HR REV. A 1-9-80
 ALL WELDS: UNDER SIZE
 FILLETS 1/8" INSTEAD OF
 3/16 INCH.
 ITEM #3 TO PLATE: HEAVY
 UNDER-CUT DETECTABLE.
 UNDER PAINT. HEAVY PAINT
 PREVENTS PROPER INSPECTION

IDG 042 HR REV. A 1-9-80
 ITEM #3 TO #4: WELD HAS
 UNDER-CUT GREATER THAN
 1/2 INCH.
~~ITEM #3 TO #2 & ITEM #2
 TO #6: WELDS ARE COVERED
 WITH HEAVY PAINT &
 SLAG WHICH ARE SUSPECTED
 OF CONCEALING DEFECTS.~~

~~*IDG 041 HR REV. A 1-9-80
 ALL WELDS: THERE IS
 EVIDENCE OF UNDER-CUT
 COOL LAP & POROSITY EX-
 ISTING UNDER HEAVY PAINT.~~

IDG 088 HR REV. A 1-9-80
~~*HEAVY PAINT SUSPECTED OF
 CONCEALING UNDER-CUT & COOL
 LAP. U-BOLT NUTS ARE~~

HENRY J. KAISER, CO.

WM. H. ZIMMER POWER STATION

NONCONFORMANCE REPORT
NO. E-2417 PAGE 1 OF 2

1. DWG/INSTALLATION NO.

E-98-2

2. DWG/INSTALLATION NAME:

ELECT. INSTALL.
CONTROL ROOM - 546' AUX

3. PO/CONTRACT NO.

7070

4. SUPPLIER/CONTRACTOR NAME:

FOOTHILL ELECTRIC

5. INSPECTION PLAN NO.:

6. INSPECTOR:

W. BIEHLE *m* *llh*

7. DATE:

1/9/80

8. SPECIFICATION NO.

Q.A.P.#3

ASME

YES NO

9. DESCRIPTION OF NONCONFORMANCE

10. DISPOSITION

11. DISPOSITION INSTRUCTIONS/JUSTIFICATION

LOCATION:

BUILDING - AUX (CONTROL RM.)
ELEV. - 546' NORTH

SYSTEM: CONDUIT BRACING

NR
CLOSED
DATE 6-27-80

REQUIREMENT: Q.A.P.#3

REWORK.

2.2 - UNDER NO CIRCUM-

STANCES WILL ANY CON-

STRUCTION BE PERFORMED

UNAPPROVED S&L

DRAWINGS OR SPECIFICATIONS

BRACE HAS BEEN
DELETED. REMOVE
BRACE

P. NELSON
3-8-80

DEFICIENCY: CONDUIT BRACING

BEING INSTALLED IN THE

1. CORNER OF THE CONTROL

ROOM TO UNAPPROVED DWGS.

(ISSUES) THAT DO NOT

FORM TO BRACING

Ben Evans
3-9-80

VIEW BOARD (REQUIRED ON ALL ACCEPT/REPAIR DISPOSITIONS)

R. Nelson 3-10-80

KEI CONSTRUCTION ENGR. DATE

N/A

N/A

N/A

Mulvaney
3/15/80

KEI QAE

DATE

DATE CG&E SPONSOR ENGR DATE

DATE CG&E C.A.&S. DATE

AIR/REWORK COMPLETE AND ACCEPTABLE

Warren Bible 6/29/80
INSPECTOR/ENGINEER DATE

REASON: WORKING TO UNAPPROVED
DRAWINGS.

15. CORRECTIVE ACTION
ALL FEL PERSONNEL HAVE
SINCE BEEN INSTRUCTED
TO WORK TO APPROVED
DRAWINGS & IDC'S ONLY.

revised 1/15/80

E2417

No. E-2417 Page 2 of 2

10. Description of Nonconformance

10. Disposition

11. Disposition Instructions & Justification

DETAILS AS INDICATED
ON DRAWING E-189 OR
APPROVED IDC'S AGAINST
E-189

~~NOTE: CONSTRUCTION PERSONNEL
WERE INSTRUCTED TO DO
STALL GRADING WITHOUT
APPROVED IDC'S~~

TRANSFERRED
TO CORRECTIVE ACTION REQUEST NLS/KPP 2/11/90

FCP-1-38 Figure 1

Outlet, Central Procurement * Welding
Control, Welds and Insulation Inspection + Documentation

DATE: 2-28-80 DURATION: 1:00 -> 2:30 PM INSTRUCTOR: J. K. Farra 91-5

ATTENDANCE:

NAME/POSITION

1.	Jat Gunnar	91-14	26.	
2.	Conrad J. Hall	93-8	27.	
3.	Edward J. Kuchik	91-12	28.	
4.	P. NELSON	91-30	29.	
5.	E. Perry	91-20	30.	
6.	W. H. Wiles	91-29	31.	
7.	W. H. Wiles	91-26	32.	
8.	Bookman Lab	91-24	33.	
9.	R. F. Silva	91-25	34.	
10.	J. K. Farra	91-2	35.	
11.			36.	
12.			37.	
13.			38.	
14.	* All work must be in accordance with			
15.	drawings & specs. As built situations			
16.	will not be tolerated			
17.			42.	J. K. Farra 3/28/80
18.			43.	
19.			44.	
20.			45.	
21.			46.	
22.			47.	
23.			48.	
24.			49.	

LOG OF NONCONFORMING MATERIAL REPORTS

FEI Control Number	NR # Essen.	NR # Non-Essen.	P/O Spec.	Equip. Name or Process	Date NR Initiated	KEI. Constr. Engr.	Diap.	Approval Status			NR Closed
								Spon. Engr. QA55	S&L	KEI QAE	
TRANS. TO NRE 5045 344 2/10/80	VOID	VOID	Q M-15	VARIOUS HANGERS HAVE HILTI BOLT VIOLATIONS.	1-4-80						1-11-80
SEE R/C/N 4742	VOID	VOID	Q M-15	VARIOUS HANGERS HAVE HILTI BOLT VIOLATIONS.	1-4-80						4-11-80
301 2/10/80	VOID	VOID	Q M-15	HGR. IFW061HV HAS HILTI BOLT VIOLATION.	1-4-80						5-12-80
302 2/10/80	VOID	VOID	Q M-15	VARIOUS HANGERS HAVE HILTI BOLT VIOLATIONS.	1-4-80						4-11-80
303 2/10/80	VOID	VOID	Q M-15	VARIOUS HANGERS HAVE HILTI BOLT VIOLATIONS.	1-4-80						4-10-80
304 2/10/80	VOID	VOID	Q M-15	VARIOUS HANGERS HAVE HILTI BOLT VIOLATIONS.	1-4-80	4-22-80	Design		5-27-80		7-23-80
305 2/10/80	VOID	VOID	Q M-15	VARIOUS HANGERS HAVE HILTI BOLT VIOLATIONS.	1-4-80						5-12-80
306 2/10/80	VOID	VOID	Q M-15	VARIOUS HANGERS HAVE HILTI BOLT VIOLATIONS.	1-4-80						4-14-80
307 2/10/80	VOID	VOID	Q M-15	VARIOUS HANGERS HAVE HILTI BOLT VIOLATIONS.	1-4-80						1-11-80
308 2/10/80	VOID	VOID	H2173	PANEL IPL87J HAS HOLES IN BOTTOM	1-7-80	1-21-80	Rework	N/A	N/A	N/A	2/01/80
309 2/10/80	VOID	VOID	H2173	WALL NOT UP ACCORDING TO design specifications	1-9-80	3-10-80	Rework	N/A	N/A	N/A	6-27-80
310 2/10/80	VOID	VOID	SA-530 SPPM 4.6	Base Metal/Arc Repair	1-7-80	1-28-80	Rework	N/A	N/A	N/A	10-21-80
311 1/10/80	VOID	VOID		Seismic							

(11)

1. DWG/INSTALLATION NO. <u>M-428-32H Rev A</u>	2. DWG/INSTALLATION NAME: <u>1DG081 HR</u>	3. PO/CONTRACT NO. <u>7070</u>	4. SUPPLIER/CONTRACTOR NAME: <u>H.J. KAISER</u>
5. INSPECTION PLAN NO.: <u>QACMI-M-12 R. 7</u>	6. INSPECTOR: <u>J. Mills</u>	7. DATE: <u>7/22/80</u>	8. SPECIFICATION NO. ASME <u>H2256</u> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>

9. DESCRIPTION OF NONCONFORMANCE	10. DISPOSITION	11. DISPOSITION INSTRUCTIONS/JUSTIFICATION
<p>Location: DG Room "A" 0" off 12A / 32'10" E- of H Elev 533'6</p> <p>System: DG SEISMIC CLASS B</p> <p>Requirements: QACMI-M-12 R. 7</p> <p>Deficiency: No clearance between U-bolt & pipe. (Note) U-bolt restrains movement of pipe.</p> <p>Holes for U-bolt mount has been elongated from 5/16" to 1/2"</p> <p>Incomplete Welding, COLD LAP, SLAG ENTRAPMENT, EXCESSIVE SLAG.</p>		

12. REVIEW BOARD (REQUIRED ON ALL ACCEPT/REPAIR DISPOSITIONS)

S&L	DATE	CG&E SPONSOR ENGR DATE	CG&E C.A.&S. DATE	KEI OAE	DATE

13. REPAIR/REWORK COMPLETE AND ACCEPTABLE

INSPECTOR/ENGINEER	DATE

14. CAUSE	15. CORRECTIVE ACTION

HENRY J. KAISER, CO.

WM. H. ZIMMER POWER STATION

NONCONFORMANCE REPORT

NO. _____ PAGE 1 OF 1

1. DWG/INSTALLATION NO. M-424-33H Rev A	2. DWG/INSTALLATION NAME: 1 DG 094 HR	3. PO/CONTRACT NO. 7070	4. SUPPLIER/CONTRACTOR NAME: A. J. KAISER
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5. INSPECTION PLAN NO.: QACMI-M-12 R.7	6. INSPECTOR: J. Mills	7. DATE: 7/22/80	8. SPECIFICATION NO. H2256	ASME YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
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9. DESCRIPTION OF NONCONFORMANCE	10. DISPOSITION	11. DISPOSITION INSTRUCTIONS/JUSTIFICATION
Location: DG Room "A" 42'10" E-OF H / 0" OFF 12A ELEV 532'8"		
System: DG SEISMIC CLASS B		
Requirement: QACMI-M-12 R.7		
Deficiency: Undersized fillet, Cold lap, Undercut, Overlap		

12. REVIEW BOARD (REQUIRED ON ALL ACCEPT/REPAIR DISPOSITIONS)

S&L	DATE	CG&E SPONSOR ENGR	DATE	CG&E Q.A.&S.	DATE	KEI QAE	DATE
-----	------	-------------------	------	--------------	------	---------	------

13. REPAIR/REWORK COMPLETE AND ACCEPTABLE

INSPECTOR/ENGINEER	DATE
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14. CAUSE

15. CORRECTIVE ACTION

HENRY J. KAISER, CO

WM. H. ZIMMER POWER STATION

NONCONFORMANCE REPORT

NO. _____ PAGE 1 OF 1

1. DWG/INSTALLATION NO. <i>M-424-34H Rev A</i>	2. DWG/INSTALLATION NAME: <i>LDG 104 HR</i>	3. PO/CONTRACT NO. <i>7070</i>	4. SUPPLIER/CONTRACTOR NAME: <i>H. J. KAISER</i>
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5. INSPECTION PLAN NO.: <i>QACMI-M-12-R7</i>	6. INSPECTOR: <i>J Mills</i>	7. DATE: <i>7/22/80</i>	8. SPECIFICATION NO. ASME <i>H2256</i> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
---	---------------------------------	----------------------------	--

9. DESCRIPTION OF NONCONFORMANCE	10. DISPOSITION	11. DISPOSITION INSTRUCTIONS/JUSTIFICATION
<i>Location; DG Room "A"</i>		
<i>10'4" N- of 12A/46'2" of H</i>		
<i>ELEV 532'6"</i>		
<i>System; DG Room SEISMIC</i>		
<i>CLASS B</i>		
<i>Requirement; QACMI-M-12R7</i>		
<i>Deficiency; Undersized</i>		
<i>fillet, Slag, Angle</i>		
<i>Corners not tied into</i>		
<i>REMAINING WELD</i>		

12. REVIEW BOARD (REQUIRED ON ALL ACCEPT/REPAIR DISPOSITIONS)

S&L	DATE	CG&E SPONSOR	ENGR	DATE	CG&E O.A.&S.	DATE	KEI	OAE	DATE
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13. REPAIR/REWORK COMPLETE AND ACCEPTABLE

INSPECTOR/ENGINEER _____ DATE _____

14. CAUSE

15. CORRECTIVE ACTION

01. 1057

HENRY J. KAISER, CO.

NONCONFORMANCE REPORT

WM. H. ZIMMER POWER STATION

NO. _____ PAGE 1 OF 1

1. DWG/INSTALLATION NO.

2. DWG/INSTALLATION NAME:

3. PO/CONTRACT NO.

4. SUPPLIER/CONTRACTOR NAME:

N-424-32H Rev A

1DG082HR

7070

H.J. KAISER

5. INSPECTION PLAN NO.:

6. INSPECTOR:

7. DATE:

8. SPECIFICATION NO.

ASME

QACMI-11-12 R.7

J Mills

265

7/22/80

H2256

YES NO

9. DESCRIPTION OF NONCONFORMANCE

10. DISPOSITION

11. DISPOSITION INSTRUCTIONS/JUSTIFICATION

LOCATION; DG Room "A"
0" off 12A 38'10" E- of H
ELEV 533'6"

System; DG SEISMIC CLASS B

Requirement; QACMI-12 R.7

Deficiency; Undersized
fillet, excessive slag,
Incomplete Weld-Out

12. REVIEW BOARD (REQUIRED ON ALL ACCEPT/REPAIR DISPOSITIONS)

KEI CONSTRUCTION ENGR. DATE

S&L DATE CG&E SPONSOR ENGR DATE CG&E Q.A.&S. DATE KEI QAE D

13. REPAIR/REWORK COMPLETE AND ACCEPTABLE

INSPECTOR/ENGINEER DATE

14. CAUSE

15. CORRECTIVE ACTION

HENRY J. KAISER, CO.

WM. H. ZIMMER POWER STATION

NONCONFORMANCE REPORT

NO. _____ PAGE 1 OF 1

1. DWG/INSTALLATION NO.

2. DWG/INSTALLATION NAME:

3. PO/CONTRACT NO.

4. SUPPLIER/CONTRACTOR NAME:

(A-428-32H Rev B)

1DG083HR

7070

HJ KAISER

5. INSPECTION PLAN NO.:

6. INSPECTOR:

7. DATE:

8. SPECIFICATION NO.

ASME

QACMI-12 R.7

J Mills

7/22/80

H2256

YES NO

9. DESCRIPTION OF NONCONFORMANCE

10. DISPOSITION

11. DISPOSITION INSTRUCTIONS/JUSTIFICATION

Location: DG Room "A"
0' off 12A 44'8" E of H
Elev 533'6"

System: DG (SEISMIC B)

Requirement: QACMI-12 R.7

Deficiency: Weld Craters
not filled to nominal
filled size. Angle corners
not tied into remaining
WELD.

12. REVIEW BOARD (REQUIRED ON ALL ACCEPT/REPAIR DISPOSITIONS)

KEI CONSTRUCTION ENGR. DATE

S&L DATE CG&E SPONSOR ENGR DATE CG&E Q.A.&S. DATE KEI QAE

13. REPAIR/REWORK COMPLETE AND ACCEPTABLE

INSPECTOR/ENGINEER DATE

14. CAUSE

15. CORRECTIVE ACTION

1. DWG/INSTALLATION NO. <u>N428-33H-SHT^F10</u>	2. DWG/INSTALLATION NAME: <u>PIPE SUPPORT</u>	3. PO/CONTRACT NO. <u>7070</u>	4. SUPPLIER/CONTRACTOR NAME: <u>HJK</u>
5. INSPECTION PLAN NO.:	6. INSPECTOR: <u>G. McCANN</u>	7. DATE: <u>7-9-80</u>	8. SPECIFICATION NO. ASME <u>H2256</u> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>

9. DESCRIPTION OF NONCONFORMANCE	10. DISPOSITION	11. DISPOSITION INSTRUCTIONS/JUSTIFICATION
<u>LOCATION: "A" DG ROOM EL 532'8" S.E.</u>		
<u>SYSTEM: DG ^{SEIS. "E"} CLASS "E"</u>		
<u>REQUIREMENT: DACMI M-12 R.7</u>		
<u>DEFICIENCY: 126096 HR HANGER HAS EXCESSIVE GAP (3/16") BETWEEN "U" BOLT & PIPE</u>		
<u>Also 1/4"x2"x2" ANGLE TO EMBEDMENT WELD HAS EXCESSIVE UNDERCUT, WELD IS UNDERSIZE WITH SLAG & COLD LAP</u>		

12. REVIEW BOARD (REQUIRED ON ALL ACCEPT/REPAIR DISPOSITIONS)

_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
S&L	DATE	CG&E	SPONSOR	ENGR	DATE	CG&E	O.A.&S.	DATE	KEI	OAE	D

KEI CONSTRUCTION ENGR. DATE _____

13. REPAIR/REWORK COMPLETE AND ACCEPTABLE

_____	_____
INSPECTOR/ENGINEER	DATE

14. CAUSE

15. CORRECTIVE ACTION

HENRY J. KAISER, CO.

WM. H. ZIMMER POWER STATION

NONCONFORMANCE REPORT

NO. _____ PAGE 1 OF 1

1. DWG/INSTALLATION NO. <u>H 428-35H-SHT #9</u>	2. DWG/INSTALLATION NAME: <u>PIPE SUPPORT</u>	3. PO/CONTRACT NO. <u>7070</u>	4. SUPPLIER/CONTRACTOR NAME: <u>HJK</u>
--	--	-----------------------------------	--

5. INSPECTION PLAN NO.:	6. INSPECTOR: <u>G. Mc Cann</u>	7. DATE: <u>9-9-80</u>	8. SPECIFICATION NO. <u>H 2256</u>	ASME YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
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9. DESCRIPTION OF NONCONFORMANCE	10. DISPOSITION	11. DISPOSITION INSTRUCTIONS/JUSTIFICATION
<u>LOCATION: "A" DG ROOM</u> <u>EL 532'-8" S.E</u>		
<u>SYSTEM: DG ^{SEIS} CLASS "B"</u>		
<u>REQUIREMENT: QACAT</u> <u>M-12 R.7</u>		
<u>DEFICIENCY: IDG095HR</u> <u>HANGER 1/4" X 2" X 3" ANGLE</u> <u>TO EMBEDMENT WELD</u> <u>HAS EXCESSIVE SLAG,</u> <u>RUST, COLD LAP AND</u> <u>UNDERSIZED FILLET</u>		

12. REVIEW BOARD (REQUIRED ON ALL ACCEPT/REPAIR DISPOSITIONS)

S&L	DATE	CG&E SPONSOR	ENGR	DATE	CG&E Q.A.&S.	DATE	KEI	QAE	DATE
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13. REPAIR/REWORK COMPLETE AND ACCEPTABLE

INSPECTOR/ENGINEER _____ DATE _____

14. CAUSE

15. CORRECTIVE ACTION

INTER-DEPARTMENT CORRESPONDENCE

TO: SIGNATORIES

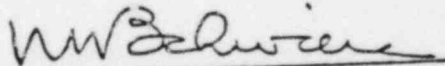
FROM: W. W. SCHWIERS

SUBJECT: WM. H. ZIMMER NUCLEAR POWER STATION
UNIT I - TURNOVER OF SYSTEMS FOR
PREOPERATIONAL TESTING - W.O. #57300-
957, JOB E-5590

DATE: NOVEMBER

Attached, for your information, is a copy of sheet titled "Turnover of Systems for Preoperational Testing". This sheet shall serve as interim approval for elimination of Henry J. Kaiser certification prior to system release for preoperational testing.

If you have any questions, please call.


W. W. SCHWIERS

WWS:pa
Enclosure
cc: E. A. Borgmann

Signatories: S. C. Swain
J. R. Schott
W. W. Schwiers
Henry J. Kaiser Co.
Attn: P. S. Gittings /

November 7, 1980

TURNOVER OF SYSTEMS FOR PREOPERATIONAL TESTING

Effective November 7, 1980, release of systems from Construction to the Electric Production Department for preoperational testing shall not require certification by Henry J. Kaiser Company that all Construction QA documentation has been reviewed. All procedures stating the prior requirement shall be revised as expeditiously as possible, but no later than November 14, 1980. Review of the Quality Assurance documentation shall continue on a scheduled basis for each system.

WBSwain fo - SCS
S. C. Swain, Site Construction Manager
11-7-80 WBS

JRSchott (PE) 111
J. R. Schott, Station Superin

PSGittings 11/7/80
P. S. Gittings, H&A QA Manager

WWSchwiens 11-
W. W. Schwiers, QA Manager