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PACIFIC GAS AND ELECTRIC COMPANY

NUCLEAR PLANT OPERATIONS

ANNUAL SUMMARY REPORT ON MONITORING AND REPORTING PROGRAM AT DIABLO CANYON POWER PLANT DURING 1984

I425

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OVERVIEW

This annual summary report follows the format used in our quarterly monitoring reports.

During 1984 discharges were made from all discharge paths except 001-G, and 001-K.

Appendix 1 contains a list of non-routine reports sent to staff during 1982.

SUMMARY OF MONITORING PROGRAM RESULTS

A. Monitoring of Plant Influent and Effluent

Appendix 2 contains a summary of the monthly volumes from discharge pathways and both tabular and graphical summaries of the monitoring results previously reported in quarterly and monthly reports.

B. Monitoring of Receiving Waters

1. Ecological Studies at Diablo Canyon

Studies in accordance with the Thermal Effects Monitoring Program (Provision D.7) continue. The annual report of the TEMP program will be submitted to the Board with the Provision D.6 and D.7 progress reports.

2. Sediment Analysis

Annual sediment samples were collected on August 17, 1984. Results of analysis were presented in the September report.

3. Aerial Photography of Kelp Beds

Aerial photography (infrared film type 2443) of kelp beds in the vicinity of Diablo Canyon were taken March 20, August 4 and December 1, 1984. Color transparencies of the photos were submitted to staff in the respective quarterly reports.

4. Surface Water Temperature

These measurements are not scheduled for monitoring until after plant commercial operation begins.

5. Stratified Water Temperatures

These measurements are not scheduled for monitoring until after plant commercial operation begins.

6. pH and Dissolved Oxygen of Receiving Waters

Dissolved Oxygen monitoring in the receiving waters were submitted to staff in the routine quarterly and monthly reports.

7. Incident Light Measurements

Subsurface light measurements are not scheduled for monitoring until after commercial operation begins.

8. Environmental Radiological Monitoring Program

Monthly radiological determinations (gamma isotopic) on seawater and bullkelp, and quarterly samples on black abalone, red abalone, perch and rockfish and mussels continued, and results are contained in the routine reports.

9. In situ Bioassay

Results of Mussel Watch will be reported to the Board in the California Department of Fish and Game periodic report for this program.

APPENDIX 1

Non-Routine Reports

PACIFIC GAS AND ELECTRIC COMPANY

DIABLO CANYON NUCLEAR POWER PLANT

Non Routine Reports sent to California Regional Water Quality Control Board - Central Coast Region during 1984

1.	August 14, 1984	Spill of sodium bisulfite solution to Diablo Creek
2.	September 11, 1984	Release of reverse osmosis blowdown to Diablo Creek

APPENDIX 2

Summaries of Influent and Effluent Monitoring

SYSTEM: INTAKE
UNIT: Common System
POINT: INTAKE COVE

Parameter:		pH	TURBIDITY	NonFiltRes	GREASE/OIL
High Limit:					
Low Limit:					
Units:			NTU	mg/L	mg/L
1/ 9/84	09:40	8.0	.66		
1/ 9/84	09:40			9.2	< 3.0
2/ 6/84	09:00	8.2	.41	< 1.0	
2/ 6/84	09:00			< 1.0	
3/ 8/84	09:20	8.1	1.50		
4/ 3/84	09:00	7.8	.55		
4/ 3/84	09:00			1.4	< 3.0
5/ 1/84	07:45	7.7	.62		
6/ 4/84	10:35	7.9	.64		
7/ 2/84	09:00	7.8	2.00	8.7	
7/ 5/84	09:00			8.7	
8/ 1/84	09:00	7.9	.73		
9/ 4/84	09:00	8.1	.86		
9/10/84	09:00	8.1			
9/17/84	09:00	8.1			
9/28/84	09:00				< 3.0
10/ 1/84	09:00	8.0	.35	12.0	< 3.0
10/ 1/84	09:00			12.0	< 3.0
10/15/84	09:00	7.9			
11/ 5/84	09:00	7.9	1.50		
11/12/84	09:00	8.0			
12/10/84	09:00	8.1			
12/11/84	09:00		.53		
12/12/84	09:00			3.2	
12/17/84	09:00	8.0			
12/31/84	08:50	8.1			

END LIST

SYSTEM: INTAKE
UNIT: Common System
POINT: INTAKE COVE

Parameter:		Ni	TOTAL Cr	Zn	Cu
High Limit:					
Low Limit:					
Units:		ppm	ppm	ppm	ppm
1/ 9/84	09:40	.002	< .001	.015	.003
4/ 3/84	09:00	.001		.003	.002
6/11/84	09:31	.006	.004	.081	.007
6/13/84	09:00	.002		.058	.001
6/19/84	09:00	.002		.018	.002
6/20/84	13:05	.002		.034	.001
6/21/84	08:30	.003		.020	.003
6/25/84	09:00		< .001		
6/28/84	09:00		< .001		
6/29/84	09:00		.001		
6/30/84	09:00		.004		
7/ 5/84	09:00	< .001	< .001	.025	.001
10/ 1/84	09:00			.017	.002
10/ 1/84	09:00	< .003	< .001	.017	.002
10/ 2/84	09:00	< .003	< .001	.017	.002
11/26/84	09:00			.006	.001
12/11/84	09:00	.004	< .001	.005	.001

END LIST

SYSTEM: INTAKE
UNIT: Common System
POINT: INTAKE COVE

Parameter:	Cd	Pb	Hg	Ag	
High Limit:					
Low Limit:					
Units:	ppm	ppm	ppm	ppm	
7/ 5/84 09:00	< .001	< .001		< .0010	
10/ 1/84 09:00	< .003			< .0010	
10/ 1/84 09:00	< .003			< .0010	
12/24/84 09:00		< .008			
12/26/84 09:00			< .00002		

END LIST

SYSTEM: INTAKE
UNIT: Common System
POINT: INTAKE COVE

Parameter:	As	PHENOLICS	CYANIDE	NH3 AS N	
High Limit:					
Low Limit:					
Units:	ppm	ppm	ppm	ppm	
1/ 9/84 09:40				< .1	
4/23/84 09:25				.1	
9/28/84 09:00				< .1	
10/ 1/84 09:00				< .1	
10/ 1/84 09:00	< .001	< .01	< .020		
10/ 1/84 09:00	< .001	< .01	< .020	< .1	
10/ 2/84 09:00				< .1	

END LIST

SYSTEM: OUTFALL
UNIT: Common System
POINT: DISCHARGE 001

Parameter:		Ti	As	Cd	Pb	
High Limit:			.028	.015	.040	
Low Limit:						
Units:		ppm	ppm	ppm	ppm	
1/ 9/84	10:00	< .010				
1/ 9/84	10:00		< .001		< .001	
2/ 6/84	09:09	< .010				
2/ 6/84	09:09			< .001		
3/ 8/84	09:30	< .010				
4/ 3/84	09:00	< .010				
4/ 3/84	09:00			.001	.011	
4/23/84	09:00				.002	
5/ 1/84	07:54	< .010				
6/ 4/84	10:40	< .010	< .001			
7/ 2/84	09:00	< .010				
7/ 5/84	09:00		< .001	< .001	.001	
8/ 1/84	09:00	< .010	< .001			
9/10/84	09:00	< .010				
10/ 1/84	09:00		< .001	< .003		
10/ 2/84	09:00	< .010				
11/ 6/84	09:00			< .001	< .001	
12/ 8/84	09:00	.010				
12/24/84	09:00				.008	

END LIST

SYSTEM: OUTFALL
UNIT: Common System
POINT: DISCHARGE 001

Parameter:		Hg	Ag	CYANIDE		
High Limit:		.00046	.0016	.025		
Low Limit:						
Units:		ppm	ppm	ppm		
1/ 9/84	10:00	< .00020	< .0010	< .020		
4/23/84	09:00	< .00020	< .0010	< .020		
7/ 5/84	09:00	< .00020	< .0010	< .020		
10/ 1/84	09:00		< .0010	< .020		
11/12/84	09:00	< .00020				
12/26/84	09:00	< .00020				

END LIST

SYSTEM: OUTFALL
UNIT: Common System
POINT: DISCHARGE 001

Parameter:		TCP	PCB	PHENOLICS		
High Limit:		.002		.15		
Low Limit:						
Units:		mg/L	mg/L	mg/L		
1/ 9/84	10:00			.01		
4/23/84	09:00	< .001	< .001	< .01		
7/ 5/84	09:00	< .001	< .001	< .01		
10/ 1/84	09:00	< .001	< .001	< .01		

END LIST

SYSTEM: OUTFALL
UNIT: Common System
POINT: DISCHARGE 001

Parameter:		NH3 AS N	BORON	D02	N2H4	
High Limit:		3.0		5.0		
Low Limit:						
Units:		mg/L	ppm	ppm	ppm	
1/ 9/84	10:00	.1	6.0	8.4	< .10	
1/30/84	10:15				< .01	
2/ 6/84	09:09	< .1	4.0	7.2	< .01	
3/ 6/84	08:45	< .1				
3/ 8/84	09:30	< .1	5.3	8.5	< .00	
4/ 3/84	09:00	< .1	6.4	8.5	< .01	
5/ 1/84	07:54	< .1	6.1	8.6	< .01	
5/11/84	11:18				.03	
6/ 4/84	10:40	< .1	4.3	8.2	< .01	
7/ 2/84	09:00	< .1	4.7	8.7		
7/ 5/84	09:00	< .1				
7/25/84	09:00				< .01	
8/ 1/84	09:00	< .1	6.0	8.3		
8/ 7/84	09:00				< .01	
9/ 4/84	09:00	< .1	3.4	10.7	< .01	
9/10/84	09:00		5.3			
10/ 1/84	09:00			8.1	< .01	
10/ 1/84	09:00	< .1				
10/ 2/84	09:00	< .1	5.1			
11/ 5/84	09:00	.1	5.3	8.4	< .01	
12/ 8/84	09:00		3.1	8.1		
12/10/84	09:00			7.8		
12/11/84	09:00	< .1				
12/24/84	09:15			7.7	< .01	

END LIST

SYSTEM: OUTFALL
UNIT: Common System
POINT: DISCHARGE 001

Parameter:		pH	TURBIDITY	TOTAL NFR	GREASE/OIL	
High Limit:		9.0			5.0	
Low Limit:		6.0				
Units:			NTU	mg/L	mg/L	
1/ 9/84	10:00	8.0	.67	10.2	< 3.0	
2/ 6/84	09:09	8.2	.41	< 1.0	< 3.0	
3/ 8/84	09:30	8.1	.75	5.1	< 3.0	
4/ 3/84	09:00	7.8	.72	1.2	< 3.0	
5/ 1/84	07:54	7.8	.45	< 1.0	< 3.0	
6/ 4/84	10:40	7.9	.41	1.0	< 3.0	
7/ 2/84	09:00	7.8	.65	8.9	< 3.0	
7/ 5/84	09:00			8.9	< 3.0	
8/ 1/84	09:00	8.0	.34	.4	< 3.0	
8/27/84	09:00	8.0				
9/ 4/84	09:00	8.1	1.10	3.6	< 3.0	
9/10/84	09:00	8.0				
9/17/84	09:00	8.1				
10/ 1/84	09:00	8.1	.42	13.0	< 3.0	
10/ 1/84	09:00			13.0	< 3.0	
10/15/84	09:00	7.9				
11/ 5/84	09:00	7.9	1.50	11.7	< 3.0	
11/12/84	09:00	8.0				
12/ 8/84	09:00				< 3.0	
12/10/84	09:00	8.1				
12/11/84	09:00		.60	2.6		
12/31/84	09:00	8.0				

END LIST

SYSTEM: OUTFALL
UNIT: Common System
POINT: DISCHARGE 001

Parameter:		Ni	TOTAL Cr	Zn	Cu	
High Limit:		.100	.010	.068	.017	
Low Limit:						
Units:		ppm	ppm	ppm	ppm	
1/ 9/84	10:00	.003	< .001	.012	.002	
2/ 6/84	09:09	.004	< .001	.012	< .001	
3/ 8/84	09:30	.002		.022	.002	
4/ 3/84	09:00	.002		.003	.001	
4/18/84	13:25		< .001			
5/ 1/84	07:54	.001	.002	.008	.002	
6/11/84	09:40	.002	.008	.011	.007	
6/13/84	09:00	.002		.063	.003	
6/19/84	09:04	.002		.013	.001	
6/20/84	13:09	< .001		.005	.001	
6/21/84	08:35	< .001		.036	.001	
6/25/84	09:00		< .001			
6/28/84	09:00		< .001			
6/29/84	09:00		.001			
6/30/84	09:00		.005			
7/ 5/84	09:00	.001	< .001	.015	< .001	
7/25/84	09:00		< .001	.013	.004	
8/ 1/84	09:00	.005	.006	.063	.008	
8/ 6/84	09:00			.023	.004	
8/ 9/84	09:00			.015		
9/ 4/84	09:00	.004		.025	.005	
9/10/84	09:00		< .001	.011	.002	
9/14/84	09:00			.001	< .001	
9/17/84	09:00			.030	.043	OOS
9/20/84	09:00			.058	.020	OOS
10/ 1/84	09:00	< .003	< .001	.011	.001	
10/ 2/84	09:00	< .003	< .001	.011	.001	
11/ 5/84	09:00	.001		< .001	< .001	
11/19/84	09:00		< .001			
11/19/84	09:00		.002			
11/19/84	09:00		< .001			
11/26/84	09:00			< .001	< .001	
12/11/84	09:00	.004	< .001	.005	.001	

END LIST

SYSTEM: DISCHARGE 001C - MAKE UP DEMINERALIZER
UNIT: Common System
POINT: DISCHARGE 001C MAKE-UP WATER

Parameter:		GREASE/OIL	TOTAL NFR				
High Limit:		15.0	30.0				
Low Limit:							
Units:		mg/L	mg/L				
1/26/84	16:00	< 3.0	16.0				
2/ 5/84	09:55	< 3.0	< 3.0				
3/ 3/84	06:45	< 3.0	48.0				OOS
3/ 7/84	20:43	14.0					
3/20/84	13:20	< 3.0					
4/ 9/84	08:45	3.0					
4/ 9/84	10:30	< 3.0					
7/10/84	10:30	< 3.0	< 1.0				
8/14/84	16:20	< 3.0	51.0				OOS
8/21/84	09:00	< 3.0	14.0				
8/30/84	09:00	4.7	4.7				
8/31/84	09:00		5.6				
9/18/84	09:00	< 3.0					
9/19/84	09:00		3.1				
10/ 8/84	09:00	< 3.0	2.0				

END LIST

SYSTEM: DISCHARGE 001D - LRW SYSTEM EFFLUENT
UNIT: Common System
POINT: FLOOR DRAIN RECEIVER

Parameter:	N2H4	BORON	Li		
High Limit:					
Low Limit:					
Units:	ppm	ppm	ppb		
1/ 2/84 16:18	.325	75	15		
1/ 7/84 12:30	.590	27	10		
1/16/84 12:15	.420	18	12		
1/20/84 08:20	.390	32	6		
1/24/84 11:00	.150	276	143		
1/27/84 04:00	.070	98			
1/29/84 00:45	.880	180	89		
2/ 3/84 09:00	.057	40	37		
2/ 7/84 16:55	.480	290	41		
2/10/84 01:45	.100	55	13		
2/14/84 02:05	.120	82	43		
2/17/84 09:05	.020	52	18		
2/19/84 06:20	.600	26	67		
2/24/84 00:35	4.800	140	210		
2/28/84 07:19	.029	27	30		
2/29/84 09:00	.280	27	28		
3/ 3/84 00:50	.290	27	6		
3/ 6/84 08:30	.065	2,100	40		
3/ 9/84 16:26	.050	50	31		
3/11/84 05:10	2.100	100	9		
3/15/84 13:30	4.500	14	10		
3/17/84 22:10	.320	20	41		
3/27/84 08:40	1.800	1,800	74		
3/28/84 18:35	3.600	38	52		
4/ 1/84 12:23	1.000	52	99		
4/ 3/84 01:40	4.800	180	243		
4/ 6/84 08:55	.400				
4/ 7/84 13:20	.180	15	42		
4/ 8/84 23:20	.042	730	59		
4/12/84 02:00	4.000	520	187		
4/15/84 05:00	24.000	430	91		
4/19/84 06:20	5.500	205	126		
4/22/84 05:33	44.000	120	73		
4/24/84 13:00	100.000	122	37		
4/26/84 14:07	45.000	120	20		
4/28/84 16:20	2.500	130	14		
4/30/84 01:55	1.600	76	125		
5/ 1/84 11:00	5.700	150	22		
5/ 3/84 20:00	4.000	71	60		
5/ 7/84 14:00	.220	80	222		
5/ 9/84 08:11	1.300	< 1	29		
5/11/84 08:30	.170	1,320	37		
5/13/84 02:10	2.000	93	15		
5/14/84 15:45	2.900	150	7		
5/20/84 08:40	.800	39	1		
5/22/84 12:50	.060	19	7		
5/24/84 05:15	.750	20	13		
6/ 2/84 10:40	123.000	1,520	16		
6/10/84 14:30	64.000				
6/13/84 14:30	14.000				
6/14/84 15:40	3.400				
6/28/84 08:15	4.200				
6/30/84 05:55	9.100				
7/ 3/84 20:45	8.600				
7/ 6/84 15:00	.020				
7/ 9/84 12:55	.240				
7/11/84 19:15	20.000				

END LIST

SYSTEM: DISCHARGE 001D - LRW SYSTEM EFFLUENT
UNIT: Common System
POINT: FLOOR DRAIN RECEIVER

Parameter:		N2H4	BORON	Li		
High Limit:						
Low Limit:						
Units:		ppm	ppm	ppb		
7/13/84	15:50	84.000				
7/15/84	10:40	17.000				
7/18/84	08:39	.900				
7/20/84	18:20	25.000				
7/22/84	09:50	5.200				
7/24/84	15:15	2.600				
7/28/84	09:10	2.000				
7/30/84	07:56	6.200				
8/ 3/84	14:00	.320				
8/10/84	10:27	.190				
8/17/84	08:30	.140				
8/19/84	16:40	.008				
8/24/84	11:04	1.250				
8/26/84	08:45	7.000				
9/ 3/84	12:02	40.000				
9/10/84	11:15	1.600				
9/18/84	21:00	2.520				
9/22/84	07:04	5.500				
9/26/84	08:18	1.600				
10/ 1/84	16:20	.450				
10/ 9/84	06:15	5.400				
10/11/84	18:05	1.100				
10/14/84	06:52	.350				
10/18/84	22:00	13.000				
10/24/84	00:15	2.500				
10/26/84	04:00	3.250				
10/27/84	03:45	< .010				
10/28/84	10:25	11.500				
10/29/84	23:20	5.000				
11/ 1/84	19:00	3.200				
11/ 3/84	09:35	.650				
11/ 7/84	17:30	358.000				
11/ 8/84	23:33	4.200				
11/13/84	11:10	15.500				
11/16/84	08:20	192.200				
11/20/84	23:09	148.000				
11/23/84	09:00	10.500				
11/25/84	10:05	3.600				
11/26/84	17:10	3.200				
11/28/84	21:00	3.000				
11/30/84	15:40	.108				
12/ 2/84	00:15	.130				
12/ 3/84	18:08	.060				
12/ 5/84	08:45	.040				
12/ 7/84	04:45	.400				
12/ 8/84	20:30	.062				
12/12/84	08:15	.017				
12/14/84	07:50	.010				
12/15/84	20:05	.056				
12/17/84	15:20	.010				
12/19/84	09:10	.210				
12/21/84	07:20	.029				
12/23/84	09:00	.010				
12/24/84	09:45	.027				
12/27/84	06:25	.160				
12/29/84	16:30	.003				

END LIST

SYSTEM: DISCHARGE 001D - LRW SYSTEM EFFLUENT
UNIT: Common System
POINT: EQUIPMENT DRAIN RECEIVER

Parameter:		N2H4	Li	BORON		
High Limit:						
Low Limit:						
Units:		ppm	ppb	ppm		
1/17/84	09:00	< .002	965	2,080		
1/28/84	00:45	< .010	440	360		
1/30/84	15:30	.022	114	1,100		
2/10/84	01:47	< .010	411	840		
2/15/84	23:20	.232	696	1,530		
2/17/84	09:10	.013	253	520		
2/19/84	06:25	.070	751	1,560		
2/21/84	21:40	.250	387	1,540		
2/22/84	18:00	.011	109	920		
2/24/84	11:25	.032	201	1,290		
2/26/84	23:30	.009	80	630		
2/28/84	13:17	< .010	47	700		
3/ 3/84	05:10	.060	200	1,270		
3/ 5/84	11:48	.160	1,171	1,660		
3/ 7/84	09:50	.270	1,000	1,300		
3/11/84	05:00	.550	444	1,050		
3/15/84	13:30	.012	297	200		
3/17/84	10:40	9.700	76	171		
3/26/84	09:30	.025	239	238		
4/ 1/84	12:26	.510	144	137		
4/ 4/84	14:30	178.000	133	6		
4/10/84	11:35	.050	642	1,110		
4/11/84	19:50	30.400	427	1,085		
4/15/84	04:00	< .020	858	1,460		
4/16/84	17:50	.010	850	1,660		
4/17/84	22:30	.009	1,103	1,520		
4/19/84	09:15	< .010	1,000	1,960		
4/21/84	09:00	< .010	1,073	2,020		
4/24/84	02:10	.040	789	690		
4/25/84	22:22	< .005	1,386	1,980		
4/27/84	08:20	.055	1,340	2,080		
4/30/84	01:50	18.000	1,768	200		
5/ 2/84	15:30	.036	654	1,820		
5/ 4/84	14:30	.260	778	1,000		
5/ 6/84	03:30	40.000	933	890		
5/ 7/84	17:35	.038	671	2,320		
5/ 9/84	19:50	.047	409	990		
5/11/84	08:30	.200	666	885		
5/13/84	15:30	.016	790	1,120		
5/17/84	06:20	.400	311	490		
5/18/84	11:52	.085	1,300	1,420		
5/20/84	08:40	.014	741	1,320		
5/21/84	08:30	.210	844	1,220		
5/22/84	09:48	.125	884	1,200		
5/23/84	14:50	.085	580	1,080		
5/24/84	19:52	.003	1,053	1,834		
5/29/84	07:03	.007	1,293	95		
6/ 2/84	10:35	.700	1,309	1,290		
6/ 4/84	06:15	< .003	1,413			
6/ 6/84	14:00	< .005	1,277	420		
6/12/84	12:45	.800				
6/13/84	14:30	.023				
6/15/84	19:30	.092				

END LIST

SYSTEM: DISCHARGE 001D - LRW SYSTEM EFFLUENT
UNIT: Common System
POINT: EQUIPMENT DRAIN RECEIVER

Parameter:		N2H4	Li	BORON		
High Limit:						
Low Limit:						
Units:		ppm	ppb	ppm		
6/18/84	09:15	80.000				
6/22/84	13:25	1.900				
6/28/84	08:15	2.050				
7/ 1/84	17:40	.550				
7/ 6/84	15:00	.020				
7/ 9/84	18:30	.980				
7/12/84	21:30	5.000				
7/15/84	18:05	2.250				
7/19/84	01:35	35.000				
7/20/84	18:15	190.000				
7/21/84	10:10	51.000				
7/23/84	09:48	.250				
7/25/84	07:05	.700				
7/28/84	09:15	.065				
7/30/84	11:55	.680				
8/ 3/84	08:15	.060				
8/ 4/84	14:09	.046				
8/ 6/84	11:10	.010				
8/ 7/84	17:35	3.500				
8/18/84	18:40	.044				
8/20/84	18:03	< .010				
8/22/84	20:00	.020				
9/17/84	12:45	35.000				
9/24/84	01:06	.140				
9/28/84	16:35	.003				
10/ 3/84	03:00	.800				
10/17/84	05:38	55.000				
10/23/84	06:20	.240				
10/25/84	08:40	.034				
10/27/84	04:00	4.500				
10/28/84	19:30	.006				
10/30/84	14:10	.010				
10/31/84	16:40	.023				
11/ 2/84	15:03	.500				
11/ 4/84	13:30	4.200				
11/ 6/84	20:55	51.300				
11/ 7/84	19:05	332.000				
11/ 8/84	14:29	4.990				
11/10/84	08:45	.380				
11/12/84	14:05	.130				
11/14/84	11:34	.075				
11/23/84	15:10	.067				
11/28/84	17:15	2.400				
11/30/84	00:25	.032				
12/ 5/84	08:45	< .010				
12/12/84	22:10	.003				
12/13/84	19:12	.008				
12/18/84	15:06	.030				
12/20/84	21:10	.023				
12/23/84	09:00	.010				
12/25/84	09:45	< .002				
12/29/84	09:35	.003				

END LIST

SYSTEM: DISCHARGE 001D - LRW SYSTEM EFFLUENT
UNIT: Common System
POINT: CHEM DRAIN TANK

Parameter:		N2H4	Li	BORON		
High Limit:						
Low Limit:						
Units:		ppm	ppb	ppm		
1/ 6/84	08:20	7.500	122	220		
1/16/84	21:50	.470	30	78		
1/20/84	08:35	.400	121	74		
1/25/84	09:30	< 1.000	42	37		
2/ 2/84	20:20	.120	15	44		
2/ 7/84	16:55	.120	17	430		
2/10/84	01:53	.750	28	50		
2/15/84	11:00	1.800	67	48		
2/17/84	08:20	.250	9	29		
2/21/84	00:50	3.120	11,756	85		
3/ 1/84	08:52	45.000	997	85		
3/ 5/84	11:50	3.350	631	125		
3/ 8/84	19:00	.640	87	250		
3/13/84	22:05	6.500	88	50		
3/27/84	08:45	.700	558	2		
3/28/84	08:12	.145	525	307		
4/ 1/84	12:32	23.000	256	198		
4/ 5/84	06:00	13.500	668	228		
4/10/84	05:30	2.400	335	17		
4/15/84	10:20	132.000	78	320		
4/19/84	06:25	4.500	31	240		
4/24/84	02:20	12.000	119	410		
4/27/84	09:29	90.000	33	190		
5/ 2/84	08:48	2.000	192	190		
5/ 3/84	15:28	180.000	620	300		
5/10/84	13:50	7.200	996	225		
5/10/84	21:55	9.300	3,306	268		
5/11/84	08:30	6.000	3,864	30		
5/16/84	08:55	25.000	53	40		
5/18/84	03:50	.090	474	18		
5/20/84	08:45	6.000	17	12		
5/24/84	05:10	47.600	204	39		
5/24/84	19:50	1.100	18	23		
5/30/84	02:55	4.250	59	90		
6/ 3/84	06:40	6.000				
6/ 8/84	08:10	4.700				
6/13/84	18:05	10.000				
6/18/84	22:30	1.200				
6/23/84	02:15	.950				
6/28/84	02:45	.290				
7/ 1/84	21:22	.880				
7/ 2/84	21:12	.230				
7/ 6/84	03:55	.010				
7/11/84	19:15	2.400				
7/16/84	18:40	.460				
7/19/84	18:20	.180				
7/22/84	10:00	1.400				
7/25/84	20:00	12.500				
7/30/84	08:40	19.000				
8/ 1/84	10:07	2.300				

END LIST

SYSTEM: DISCHARGE 001D - LRW SYSTEM EFFLUENT
UNIT: Common System
POINT: CHEM DRAIN TANK

Parameter:	N2H4	Li	BORON		
High Limit:					
Low Limit:					
Units:	ppm	ppb	ppm		
8/ 4/84 19:00	12.500				
8/ 5/84 22:00	.650				
8/ 6/84 20:39	14.000				
8/10/84 09:25	.950				
8/11/84 23:30	27.000				
8/17/84 08:30	.650				
8/20/84 08:46	.520				
8/27/84 06:35	27.000				
8/31/84 13:00	6.000				
9/ 5/84 16:00	37.500				
9/11/84 18:40	.850				
9/18/84 14:00	1.900				
9/21/84 08:45	10.400				
9/26/84 13:10	12.000				
9/29/84 16:55	3.000				
10/ 3/84 03:07	1.900				
10/ 5/84 05:30	.320				
10/ 8/84 06:55	.320				
10/11/84 14:00	9.000				
10/14/84 08:30	20.900				
10/18/84 11:50	.600				
10/22/84 16:35	.120				
10/26/84 08:30	29.000				
10/30/84 21:20	5.500				
11/ 2/84 08:50	.140				
11/ 4/84 19:10	2.000				
11/ 9/84 16:20	358.000				
11/12/84 11:10	6.500				
11/13/84 15:10	13.500				
11/16/84 18:10	.650				
11/17/84 13:20	.210				
11/21/84 18:20	324.400				
11/24/84 10:30	3.000				
11/25/84 10:00	8.200				
11/27/84 15:45	3.400				
11/28/84 11:17	1.600				
11/30/84 08:50	.600				
12/ 4/84 15:30	1.700				
12/ 7/84 04:50	1.000				
12/ 8/84 20:40	.820				
12/12/84 22:08	460.000				
12/18/84 05:45	4.800				
12/21/84 07:40	12.000				
12/23/84 22:35	.320				
12/25/84 18:30	2.050				
12/27/84 18:30	.670				

END LIST

SYSTEM: DISCHARGE 001D - LRW SYSTEM EFFLUENT
UNIT: Common System
POINT: QUARTERLY LRW COMPOSITE

Parameter:		Cd		Cr		Cu		Pb		
High Limit:										
Low Limit:										
Units:		ppm		ppm		ppm		ppm		
3/31/84	09:00	.003	<	.001		.022		.019		
6/30/84	09:00	< .001		.040		.072	<	.100		
9/30/84	09:00	.016		.088		.038	<	.045		
12/31/84	09:00	< .001		.169		.216		.025		

END LIST

SYSTEM: DISCHARGE 001D - LRW SYSTEM EFFLUENT
UNIT: Common System
POINT: QUARTERLY LRW COMPOSITE

Parameter:		Hg		Ni		Ag		Zn		
High Limit:										
Low Limit:										
Units:		ppm		ppm		ppm		ppm		
3/31/84	09:00	.00500		.052	<	.001		.419		
6/30/84	09:00	.00080		.027		.002		.826		
9/30/84	09:00			.063				1.000		
12/31/84	09:00	.00080		.027	<	.001		.865		

END LIST

SYSTEM: DISCHARGE 001D - LRW SYSTEM EFFLUENT
UNIT: Common System
POINT: MONTHLY LRW COMPOSITE

Parameter:		Li	BORON				
High Limit:							
Low Limit:							
Units:		ppb	ppm				
6/30/84	09:00	5	465				
7/31/84	09:00	155	150				
8/31/84	09:00	418	420				
9/30/84	09:00	354	370				
10/31/84	09:00	228	1,130				
11/30/84	09:00	253	320				
12/31/84	09:00	149	210				

END LIST

SYSTEM: DISCHARGE 001F - TURBINE BUILDING SUMP & OWS
UNIT: Common System
POINT: OWS - TURBINE BUILDING SUMP

Parameter:		TOTAL NFR		GREASE/OIL					
High Limit:		30.0		15.0					
Low Limit:									
Units:		mg/L		mg/L					
1/19/84	09:00	62.0		9.0					OOS
1/23/84	08:11	13.0	<	3.0					
1/24/84	09:10	14.0							
1/25/84	22:30	28.0							
1/26/84	13:20	20.0							
2/ 7/84	09:42	24.0							
2/27/84	09:30			8.0					
3/12/84	11:30			8.0					
3/12/84	19:45			4.0					
3/21/84	08:00	18.0		13.0					
3/27/84	08:30	23.0							
4/ 9/84	14:00		<	3.0					
4/13/84	13:00	24.0							
5/ 7/84	13:25	15.0		16.0					OOS
5/30/84	13:00		<	3.0					
6/ 6/84	13:33	16.0							
6/22/84	17:00			13.0					
6/25/84	18:00			8.0					
7/17/84	09:00	32.7	<	3.0					OOS
7/26/84	09:00	17.1		4.9					
8/ 8/84	13:15	16.2		7.8					
8/13/84	13:10	23.0		6.6					
8/21/84	08:40	14.0	<	3.0					
8/30/84	11:30	37.6	<	3.0					OOS
9/ 5/84	12:40	11.7	<	3.0					
9/27/84	17:34			7.0					
10/16/84	09:00	19.0	<	3.0					
11/ 9/84	17:30	19.5	<	3.0					
11/23/84	16:30			65.0					OOS
11/23/84	17:50	124.0		21.0					OOS
11/24/84	10:00			5.0					
11/24/84	16:00			7.4					
11/28/84	12:10	43.0		3.0					OOS
12/ 4/84	11:25	37.8							OOS
12/ 7/84	08:00	12.0		34.0					OOS
12/ 7/84	14:00	19.8	<	3.0					
12/10/84	08:40	10.5		4.8					
12/11/84	09:00			18.0					OOS
12/13/84	09:30	19.2		8.2					
12/18/84	09:00	8.7		4.7					
12/19/84	00:40	8.7		4.1					
12/31/84	09:00	12.0		12.0					

END LIST

SYSTEM: DISCHARGE 001F - TURBINE BUILDING SUMP & OWS
UNIT: Common System
POINT: OWS/TURB. BUILD. SUMP QTR. COMP.

Parameter:	Cd	Cr	Cu	Pb	
High Limit:					
Low Limit:					
Units:	ppm	ppm	ppm	ppm	
3/31/84 09:00	.009	< .001	.021	.025	
6/30/84 09:00	.010	.012	.054	< .100	
9/30/84 09:00	.016	< .050	.108	.045	
12/31/84 09:00	< .001	.001	.252	.048	

END LIST

SYSTEM: DISCHARGE 001F - TURBINE BUILDING SUMP & OWS
UNIT: Common System
POINT: OWS/TURB. BUILD. SUMP QTR. COMP.

Parameter:	Hg	Ni	Ag	Zn	
High Limit:					
Low Limit:					
Units:	ppm	ppm	ppm	ppm	
3/31/84 09:00	< .00020	.052	< .001	.044	
6/30/84 09:00	< .00020	.011	.001	.094	
9/30/84 09:00	.00100	.063	.003	.554	
12/31/84 09:00	.00040	.008	< .001	.477	

END LIST

SYSTEM: DISCHARGE 001G - REVERSE OSMOSIS BLOWDOWN
UNIT: Common System
POINT: REVERSE OSMOSIS BLOWDOWN

Parameter:	TOTAL NFR	GREASE/OIL			
High Limit:	30.0	15.0			
Low Limit:					
Units:	mg/L	mg/L			
9/ 5/84 13:00	.3	< 3.0			
10/12/84 11:10	< 1.0	< 3.0			
11/13/84 09:15	< 1.0	< 3.0			

END LIST

SYSTEM: DISCHARGE 002 - INTAKE BUILDING FLOOR DRAINS
UNIT: Common System
POINT: INTAKE BUILDING FLOOR DRAINS

Parameter:	GREASE/OIL				
High Limit:	15.0				
Low Limit:					
Units:	mg/L				
2/21/84 13:35	< 3.0				
4/ 5/84 14:00	< 3.0				
4/25/84 18:00	< 3.0				
7/10/84 09:30	< 3.0				
10/10/84 09:30	< 3.0				
10/11/84 03:30	< 3.0				
10/12/84 09:30	< 3.0				

END LIST

SYSTEM: DISCHARGE 005 - YARD STROM DRAINS
UNIT: Common System
POINT: YARD STORM DRAINS

Parameter:	GREASE/OIL	TCP	PCB			
High Limit:	5.0					
Low Limit:						
Units:	mg/L	mg/L	mg/L			
2/ 8/84 09:00	< 3.0					
4/18/84 15:20	20.0					005
5/ 1/84 09:00		< .0010	< .0003			
8/15/84 09:00	< 3.0					
10/11/84 06:15	< 3.0	< .0011	< .0003			
11/12/84 22:25	< 3.0					

END LIST

SYSTEM: DISCHARGE 001I - SEAWATER EVAPORATOR BLOWDOWN
UNIT: Common System
POINT: SEAWATER EVAP.

Parameter:		TOTAL NFR		GREASE/OIL						
High Limit:		30.0		15.0						
Low Limit:										
Units:		mg/L		mg/L						
12/11/84	11:00	28.0	<	3.0						
12/17/84	13:15	20.2								

END LIST

SYSTEM: DISCHARGE 001J - COND. PUMPS DIS. HEADER OVERBOARD
UNIT: Common System
POINT: COND. DIS. OVERBOARD

Parameter:		TOTAL NFR		GREASE/OIL						
High Limit:		30.0		15.0						
Low Limit:										
Units:		mg/L		mg/L						
2/ 5/84	14:50	< 1.0		< 3.0						
2/13/84	04:15			< 3.0						
3/20/84	13:20	1.0								
3/22/84	15:00	3.0								
4/18/84	11:10	< 1.0		3.0						
4/19/84	11:00			< 3.0						
5/22/84	15:30	2.0		< 3.0						
6/13/84	13:52	3.0								
7/11/84	09:00	1.2		< 3.0						
7/13/84	10:00	< 1.0		< 3.0						
7/17/84	09:46	1.9		6.0						
8/ 2/84	09:00	< 1.0		< 3.0						
8/ 3/84	09:00	< 3.0		< 3.0						
9/ 8/84	09:00	3.6		3.6						
9/14/84	15:10	2.5		< 3.0						
10/ 5/84	15:05	< 3.0		< 3.0						
10/ 8/84	11:00	< 3.0		< 3.0						
10/16/84	14:00	19.0		7.0						
10/29/84	13:15	19.7								
10/30/84	18:12	36.0								OOS
10/30/84	22:10	20.6								
11/12/84	09:48	1.7		< 3.0						
11/14/84	10:00	< 1.0		< 3.0						
11/23/84	04:40	< 1.0		< 3.0						
11/23/84	18:55	< 1.0		< 3.0						
12/ 4/84	13:20	6.1		12.0						
12/31/84	09:46	4.8		4.8						

END LIST

SYSTEM: DISCHARGE 001H - HIGH & LOW COND. TANKS
UNIT: Common System
POINT: DISCHARGE 001H COMPOSITE

Parameter:		Cd	Cu	Cr	Pb	
High Limit:						
Low Limit:						
Units:		ppm	ppm	ppm	ppm	
4/ 7/84	09:00	.013	.029	2.606	.136	
6/30/84	09:00	.014	.060	.776	< .100	
9/30/84	09:00	.015	.083	.246	.069	
12/31/84	09:00	.020	.083	3.719	.154	

END LIST

SYSTEM: DISCHARGE 001H - HIGH & LOW COND. TANKS
UNIT: Common System
POINT: DISCHARGE 001H COMPOSITE

Parameter:		Hg	Ni	Ag	Zn	
High Limit:						
Low Limit:						
Units:		ppm	ppm	ppm	ppm	
4/ 7/84	09:00	< .00020	.301	.002	1.074	
6/30/84	09:00	< .00020	.288	.001	.509	
9/30/84	09:00		.050		.642	
12/31/84	09:00	.00030	.571	.010	2.873	

END LIST

SYSTEM: LOW CONDUCTIVITY TANK
UNIT: I
POINT: LCT

Parameter:		NFR	GREASE/OIL			
High Limit:						
Low Limit:						
Units:		mg/L	mg/L			
2/ 2/84	22:45	< 3.0				
7/27/84	16:25	11.0	< 3.0			
7/28/84	10:00	40.0	10.6			
7/30/84	15:00	51.3	< 3.0			
7/31/84	13:30	36.4	4.1			
9/30/84	08:35	6.2				
10/19/84	09:28	83.5	< 3.0			

END LIST

SYSTEM: HIGH CONDUCTIVITY TANK
UNIT: I
POINT: HIGH CONDUCTIVITY TANK

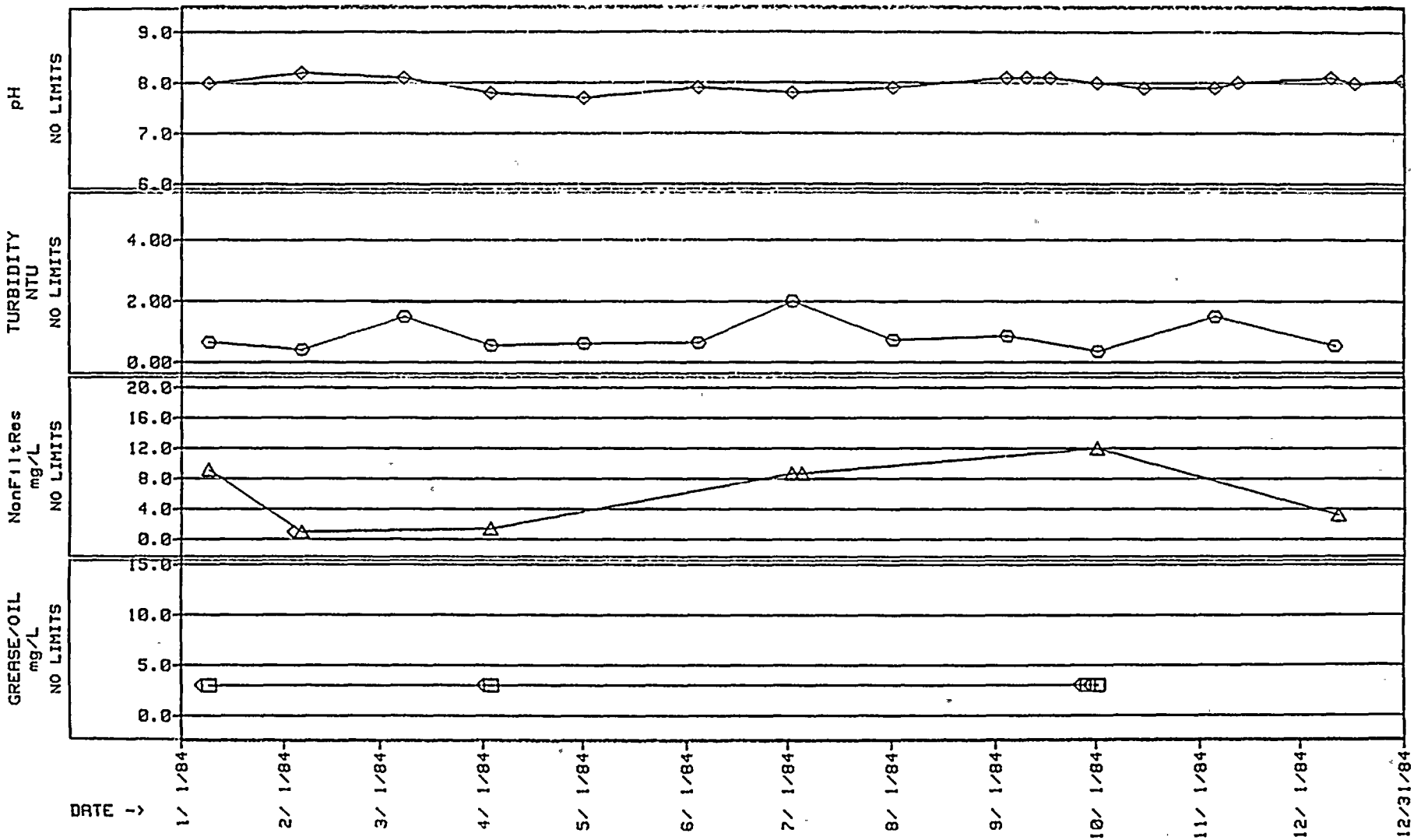
Parameter:		NFR	GREASE/OIL			
High Limit:						
Low Limit:						
Units:		mg/L	mg/L			
1/ 3/84	13:43	58.0				
1/24/84	09:00	7.0	< 3.0			
2/ 2/84	20:05	15.0	7.0			
2/14/84	15:23		9.0			
3/27/84	08:49	9.0				
4/13/84	08:45	28.0				
4/25/84	20:30	51.0	24.0			
4/26/84	19:30	62.0	13.0			
4/27/84	14:15		13.0			
4/30/84	04:19	30.0	7.0			
4/30/84	14:50		< 3.0			
5/ 3/84	09:13	21.0	< 3.0			
5/16/84	03:45	62.0				
5/17/84	05:45	119.0	105.0			
5/17/84	21:30	100.0				
7/23/84	08:40	12.0	9.0			
7/28/84	13:35	13.8	< 3.0			
7/29/84	14:45	12.9	7.4			
8/ 1/84	23:40	6.2				
8/ 2/84	23:06	14.0	< 3.0			
9/10/84	08:45	23.0				
9/26/84	19:10	571.0				
9/28/84	09:00	47.6				
9/29/84	05:30	11.4				
9/30/84	20:30	158.0				
10/11/84	13:15	58.0	< 3.0			
10/19/84	13:10	83.5	< 3.0			
11/18/84	15:40	12.3	< 3.0			
11/19/84	04:40	14.1				
12/ 4/84	14:52		< 3.0			
12/ 7/84	13:30	7.0				
12/14/84	10:00	13.8				
12/16/84	09:00	11.2				
12/26/84	14:15	19.0				
12/30/84	03:05	37.4				

END LIST

PG&E

NUCLEAR PLANT OPERATIONS - DIABLO CANYON POWER PLANT

INTAKE - INTAKE COVE



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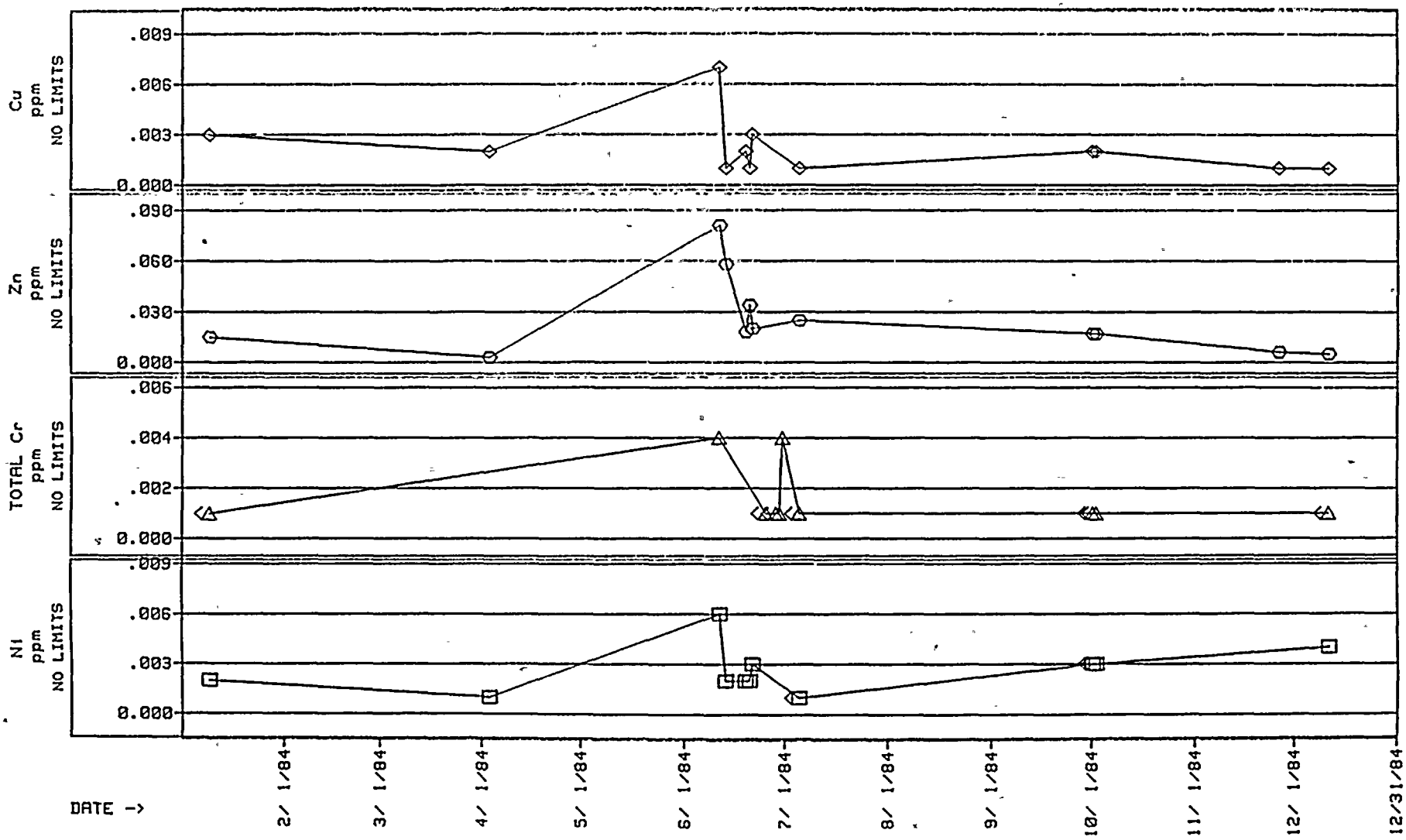
NUCLEAR PLANT OPERATIONS - DIABLO CANYON POWER PLANT

INTAKE - INTAKE COVE



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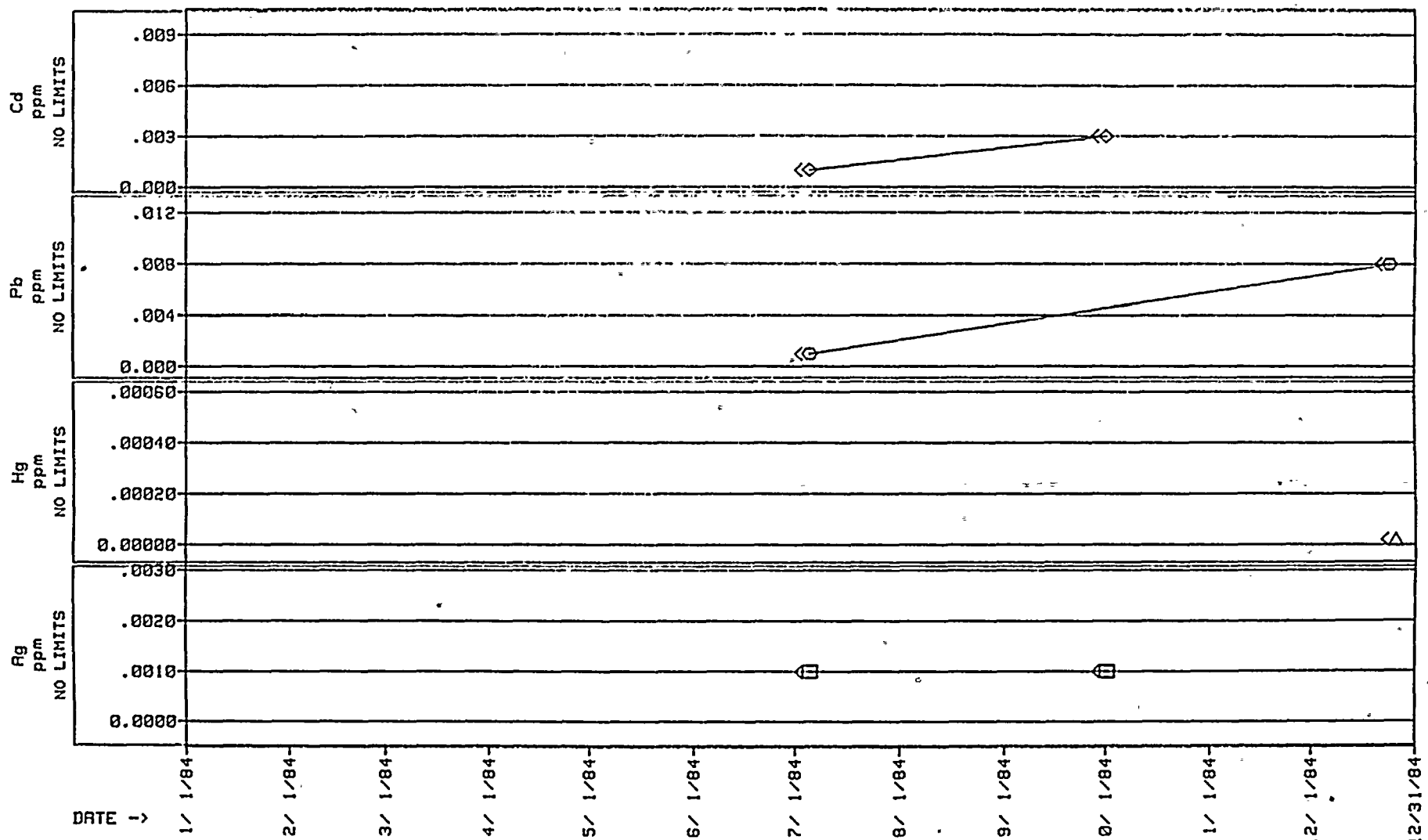
NUCLEAR PLANT OPERATIONS - DIABLO CANYON POWER PLANT

INTAKE - INTAKE COVE



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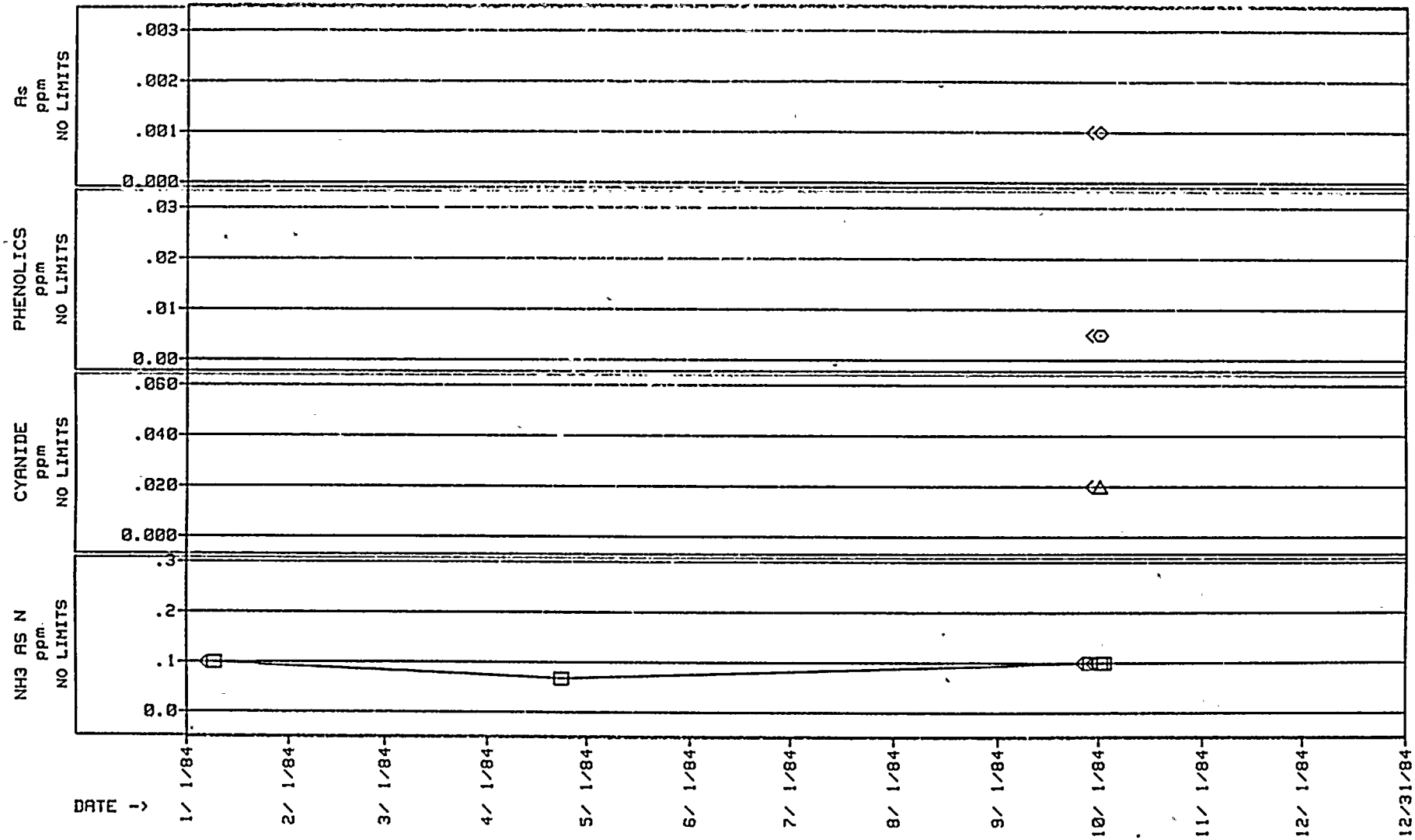
NUCLEAR PLANT OPERATIONS - DIABLO CANYON POWER PLANT

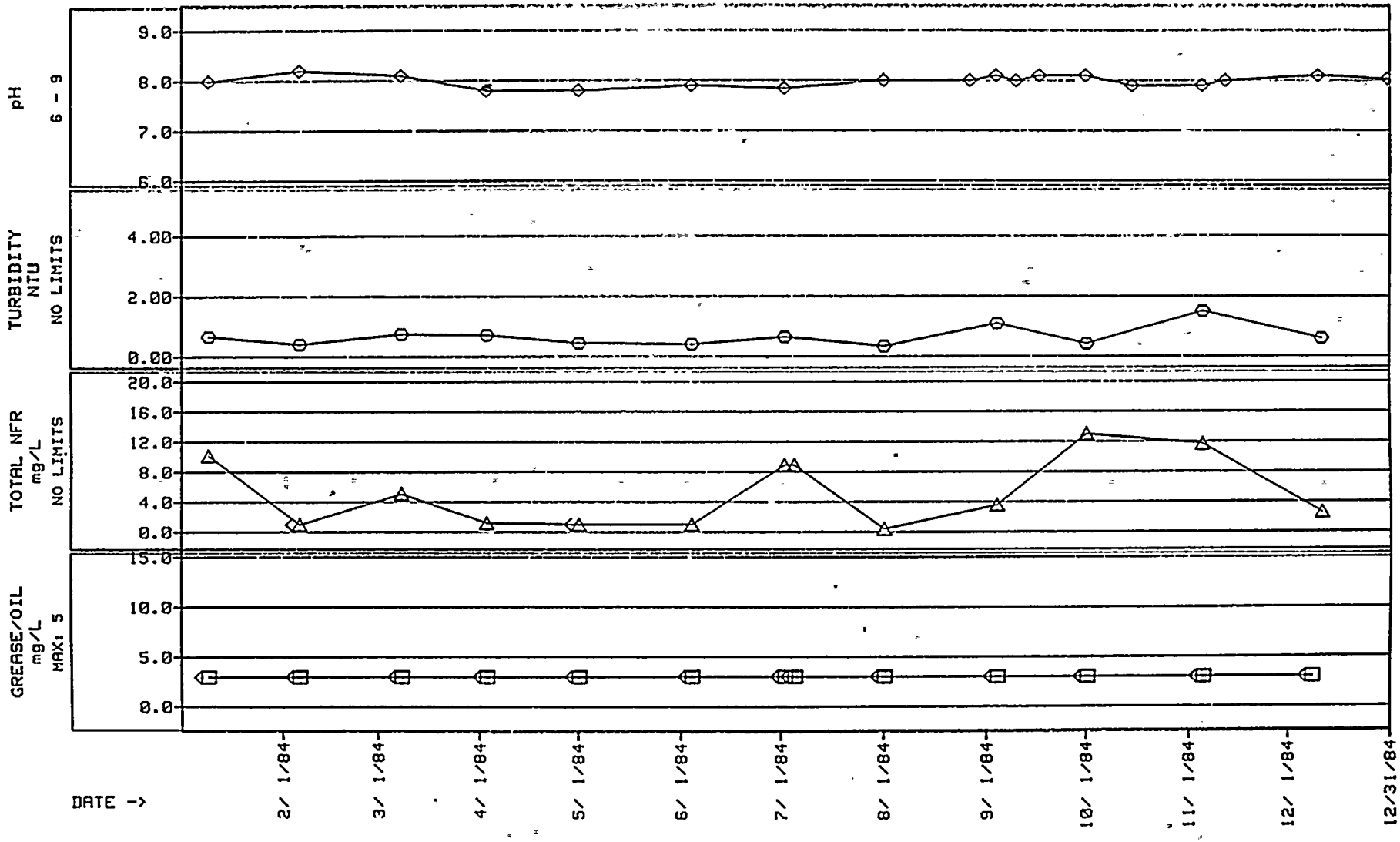
INTAKE - INTAKE COVE



PG&E

NUCLEAR PLANT OPERATIONS - DIABLO CANYON POWER PLANT

OUTFALL - DISCHARGE 001



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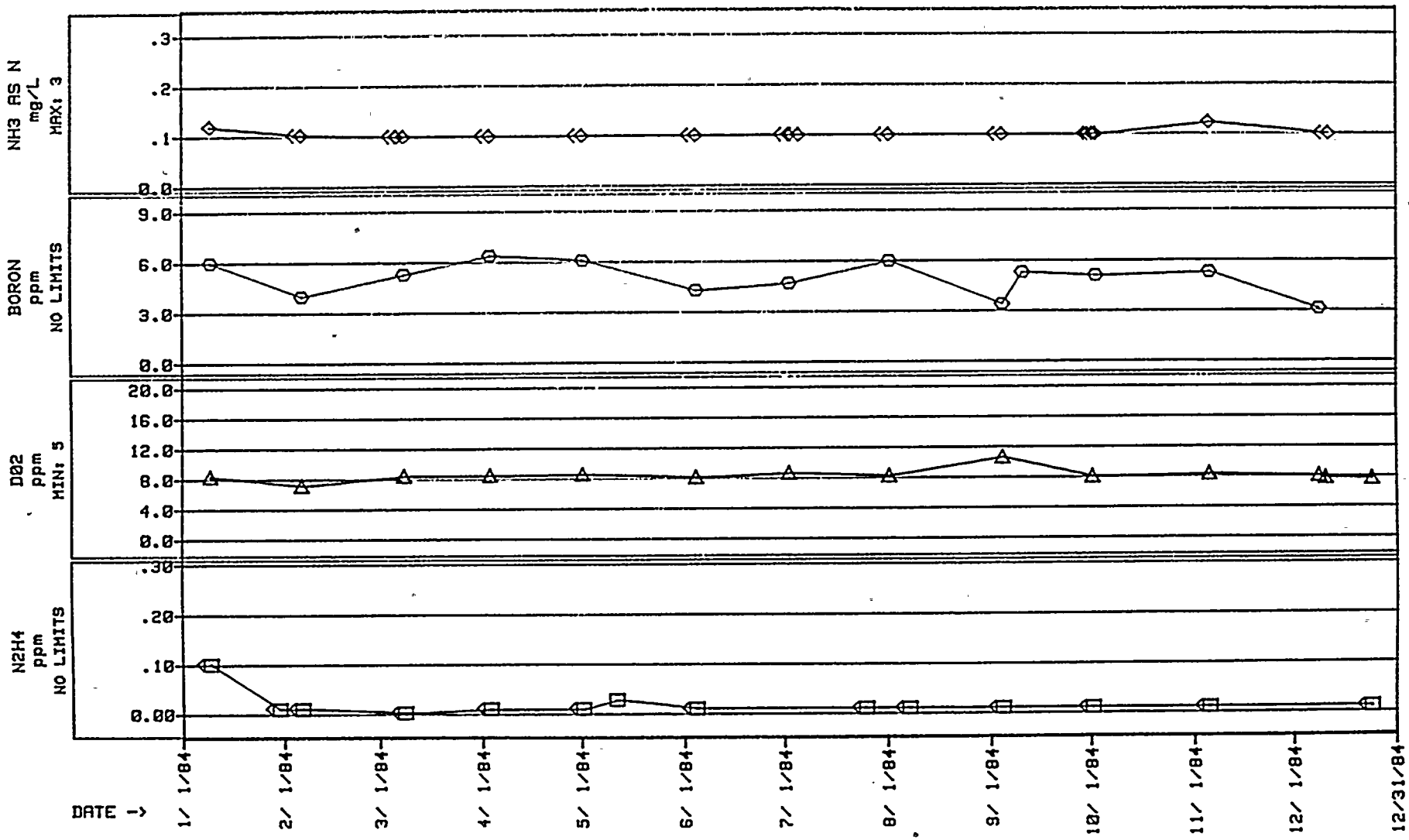
NUCLEAR PLANT OPERATIONS - DIABLO CANYON POWER PLANT

OUTFALL - DISCHARGE 001



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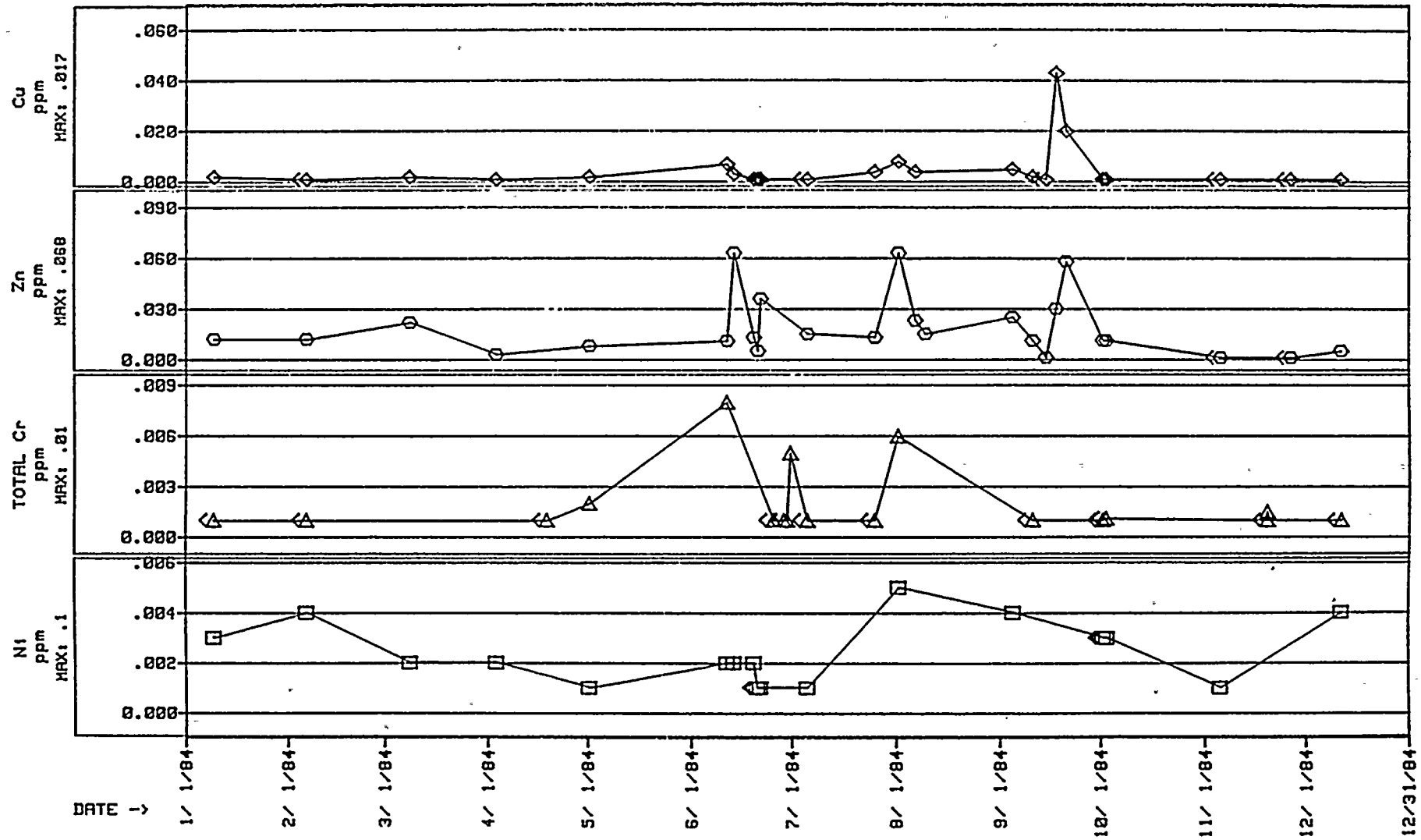
NUCLEAR PLANT OPERATIONS - DIABLO CANYON POWER PLANT

OUTFALL - DISCHARGE 001



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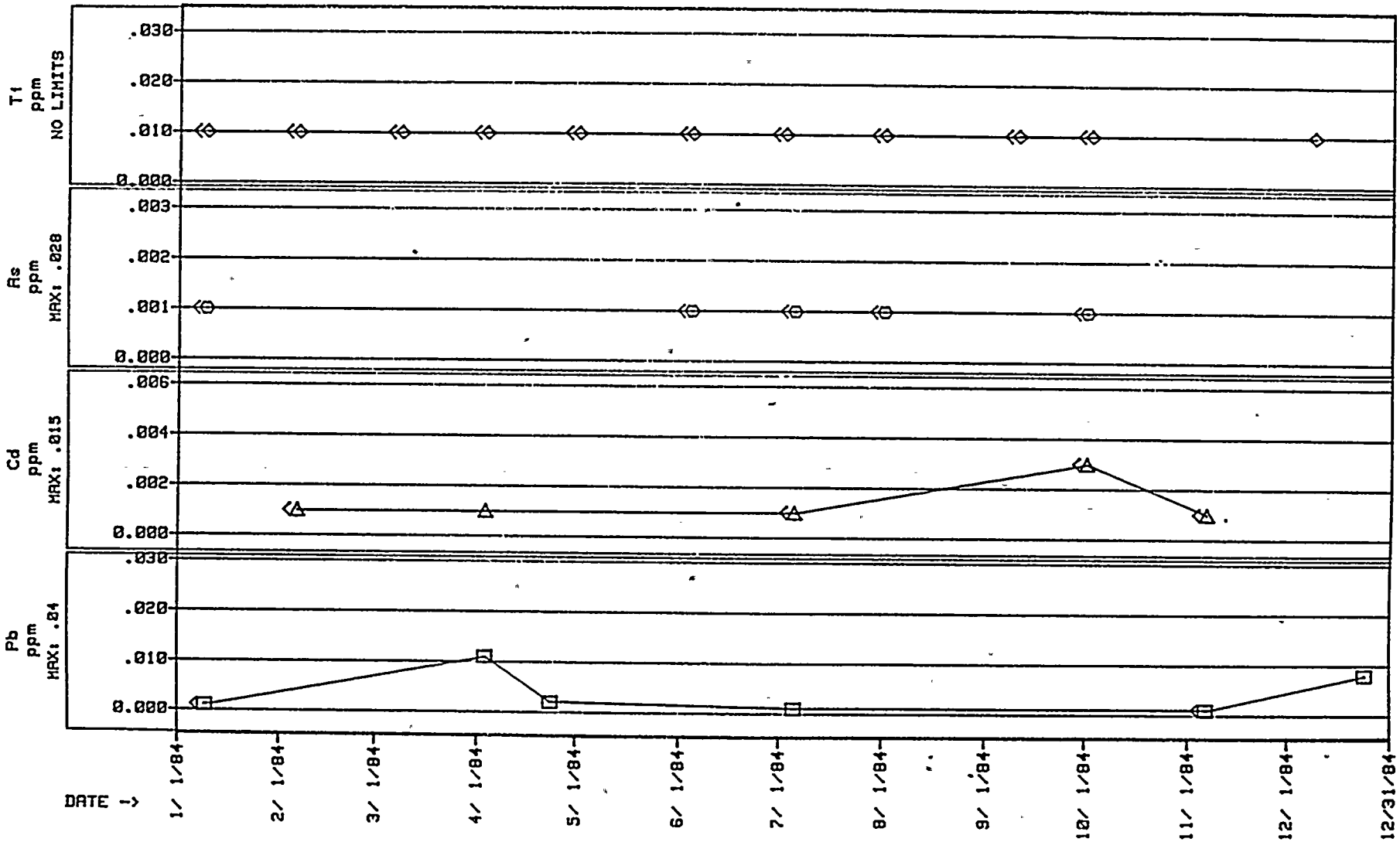
NUCLEAR PLANT OPERATIONS - DIABLO CANYON POWER PLANT

OUTFALL - DISCHARGE 001



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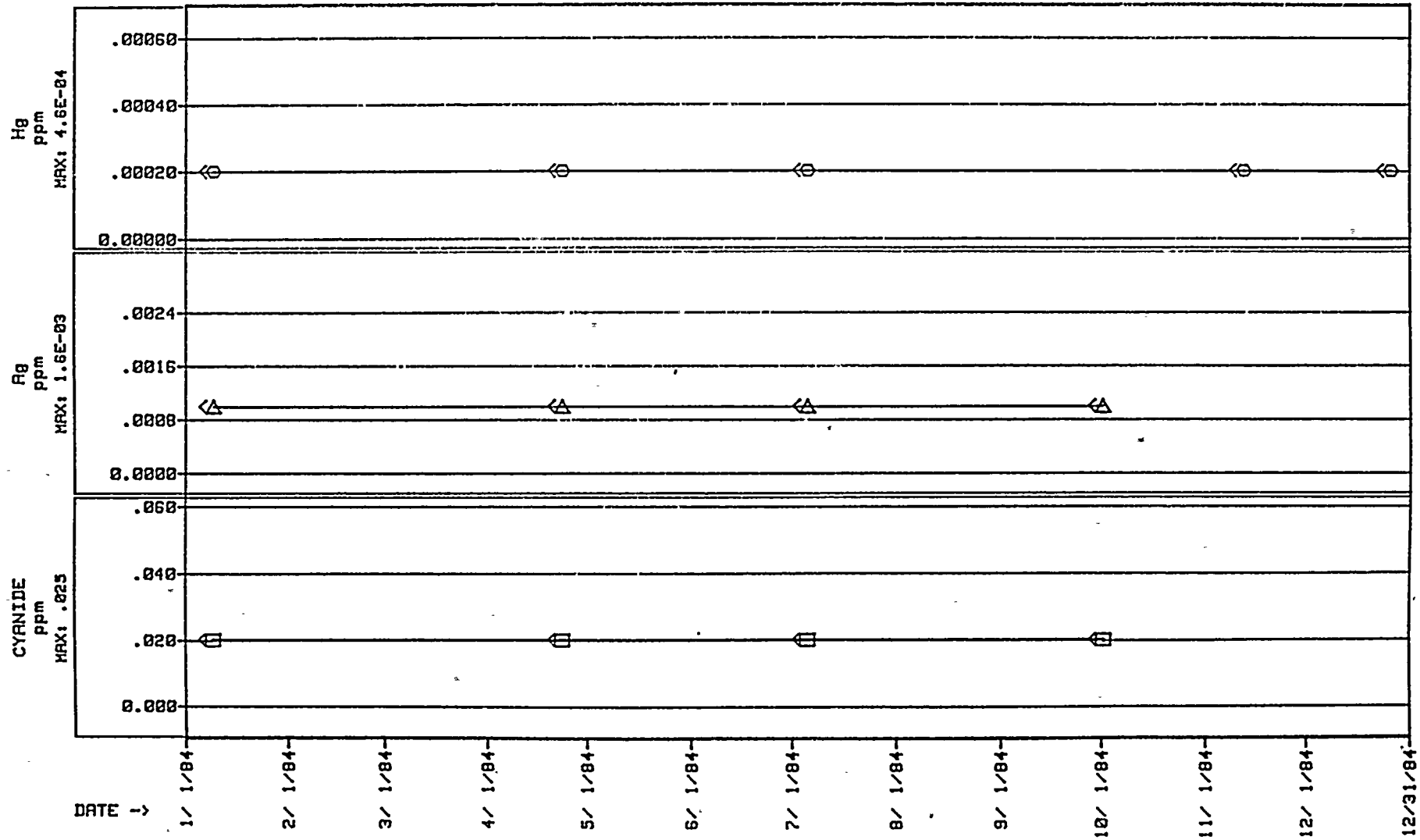
NUCLEAR PLANT OPERATIONS - DIABLO CANYON POWER PLANT

OUTFALL - DISCHARGE 001



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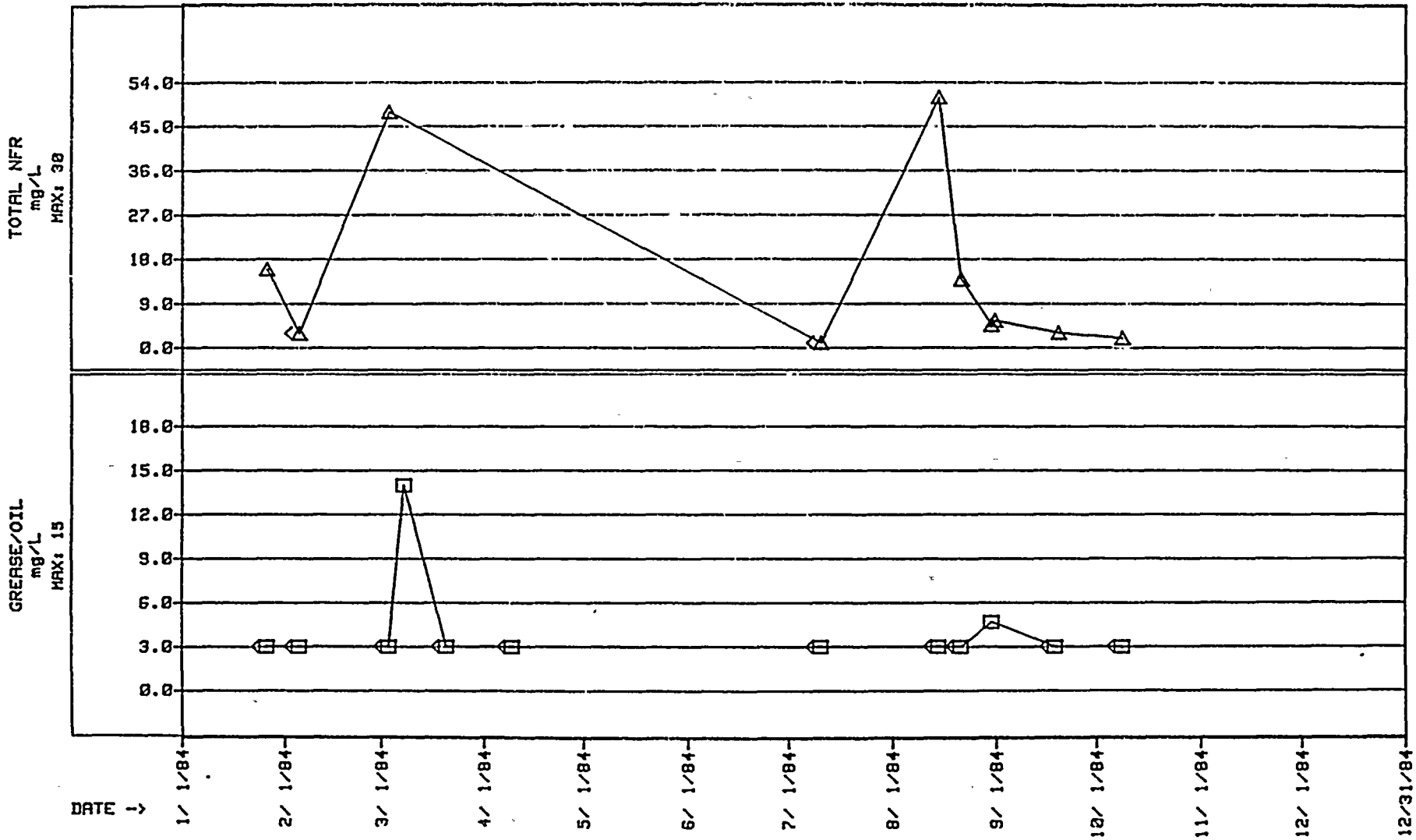
NUCLEAR PLANT OPERATIONS - DIABLO CANYON POWER PLANT

DISCHARGE 001C - MAKE UP DEMINERALIZER - MAKE-UP WATER



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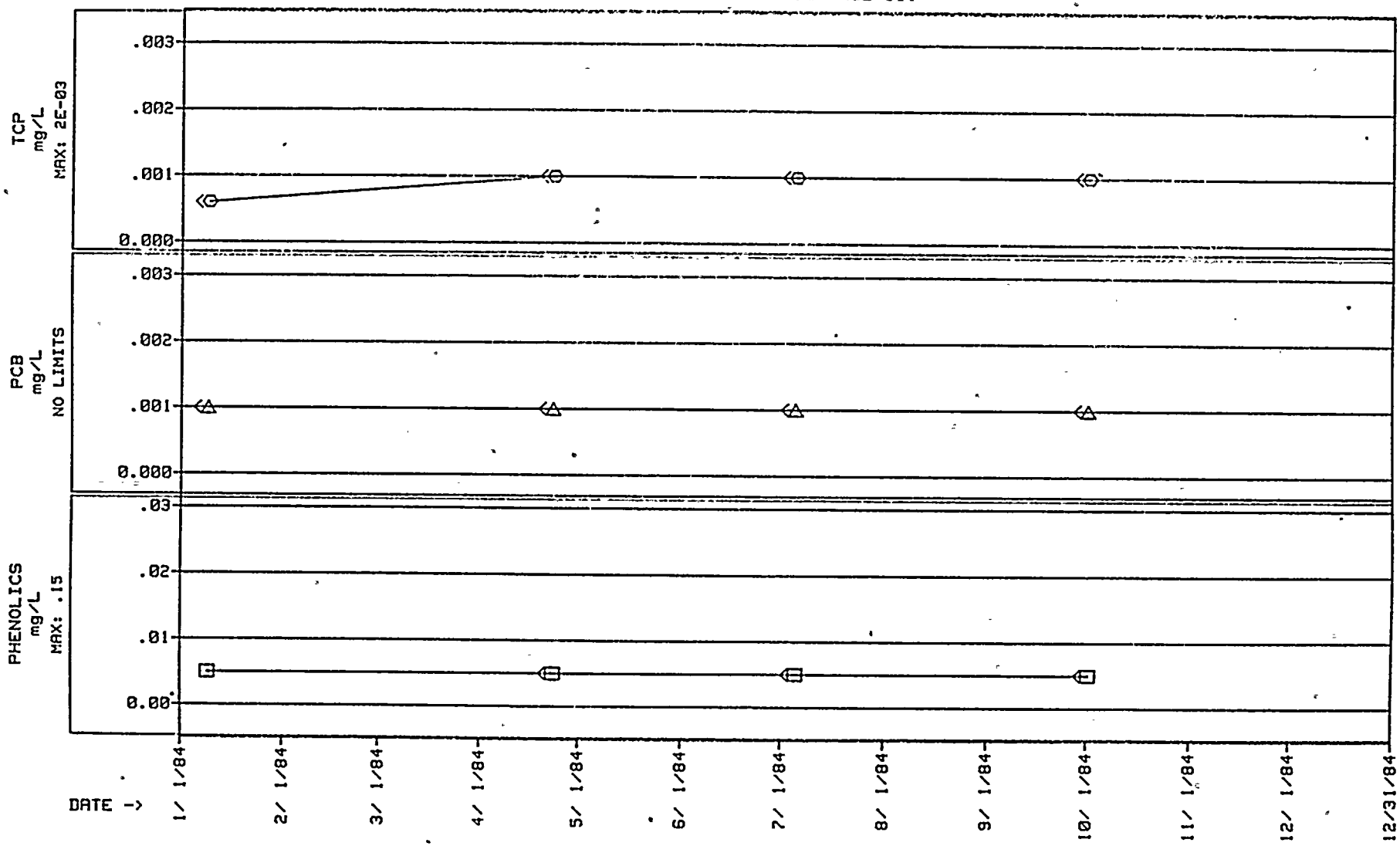
NUCLEAR PLANT OPERATIONS - DIABLO CANYON POWER PLANT

OUTFALL - DISCHARGE 001



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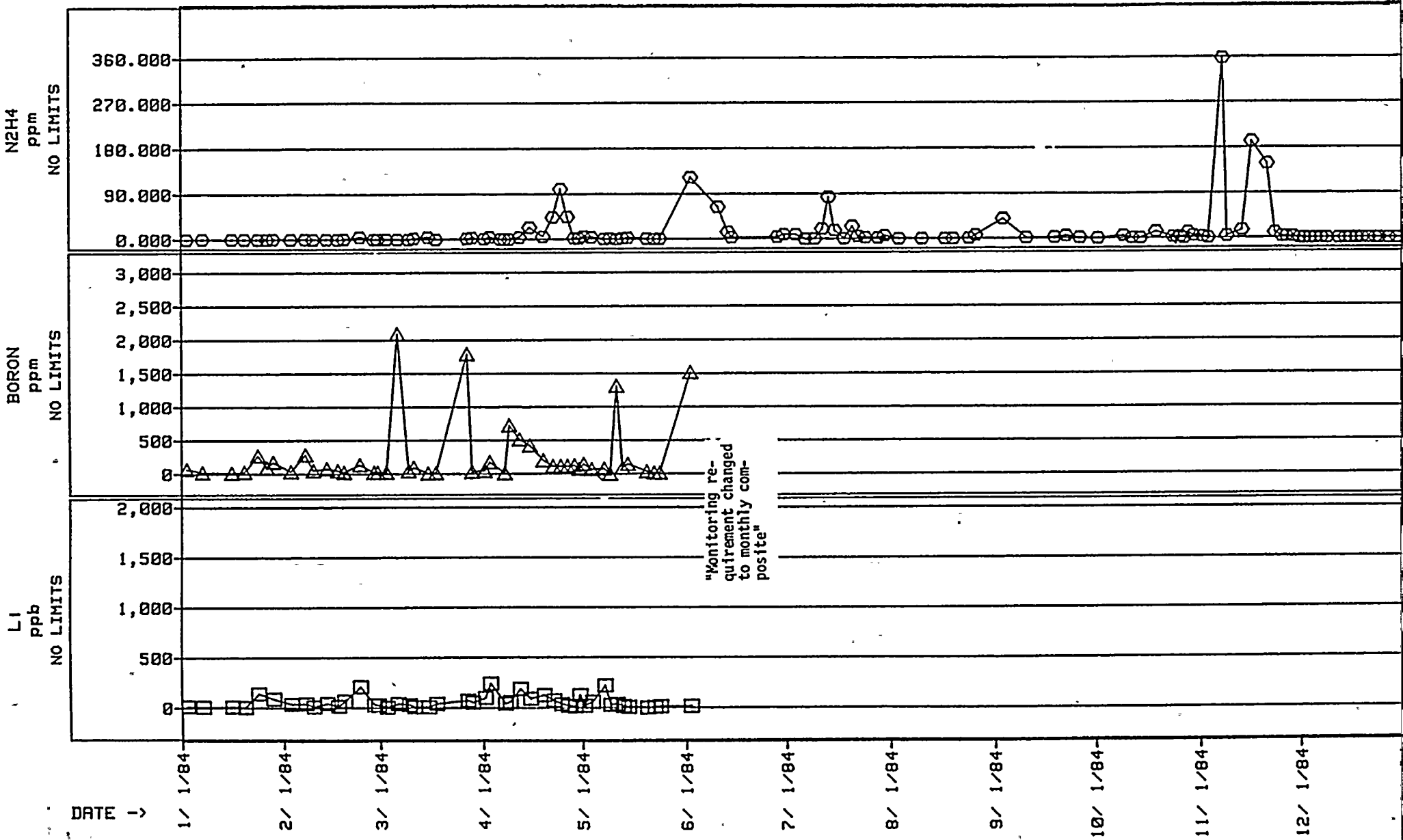
NUCLEAR PLANT OPERATIONS - DIABLO CANYON POWER PLANT

DISCHARGE 001D - LRW SYSTEM EFFLUENT - FLOOR DRAIN RECEIVER



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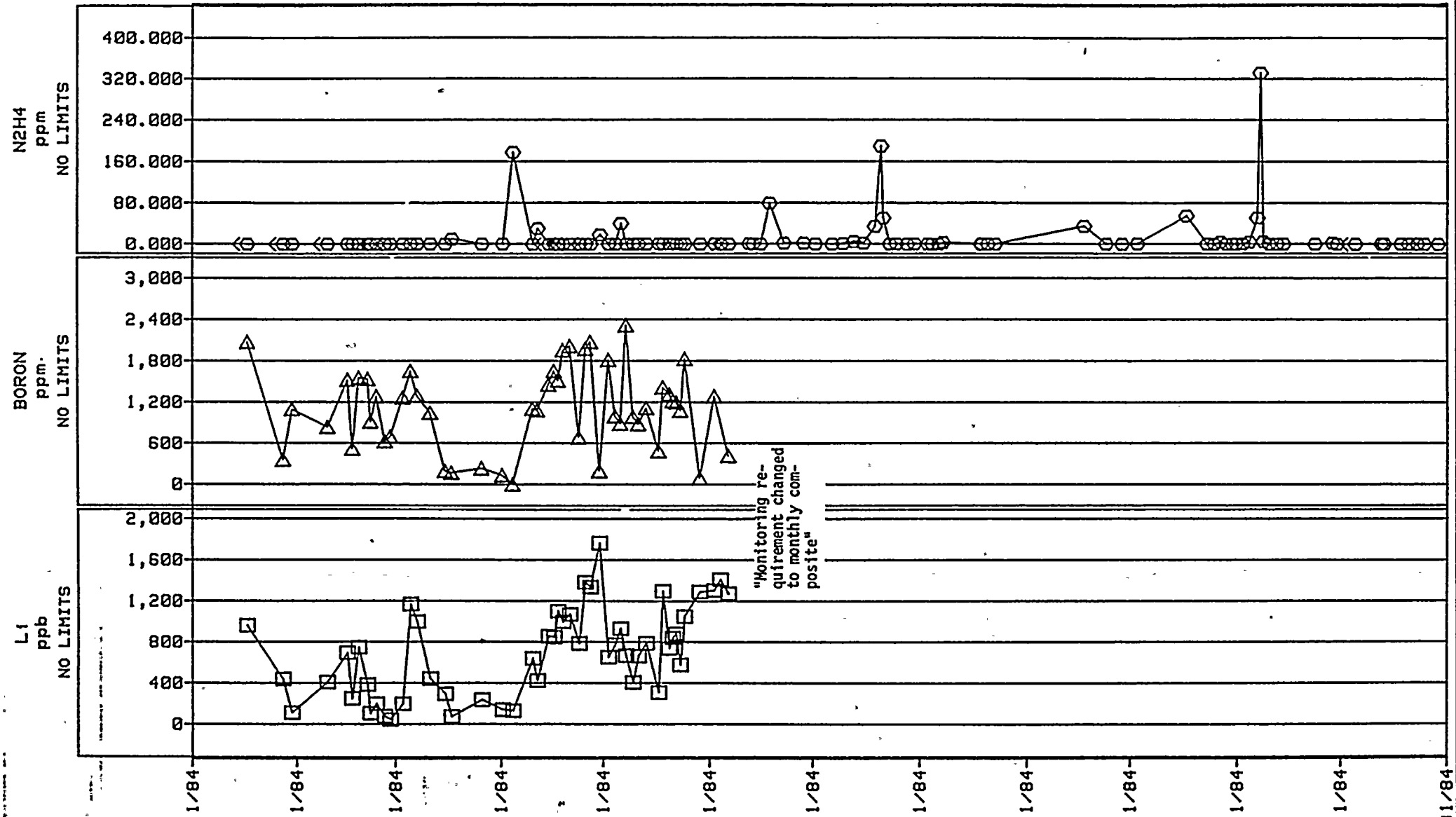
NUCLEAR PLANT OPERATIONS - DIABLO CANYON POWER PLANT

DISCHARGE 001D - LRW SYSTEM EFFLUENT - EQUIPMENT DRAIN RECEIVER



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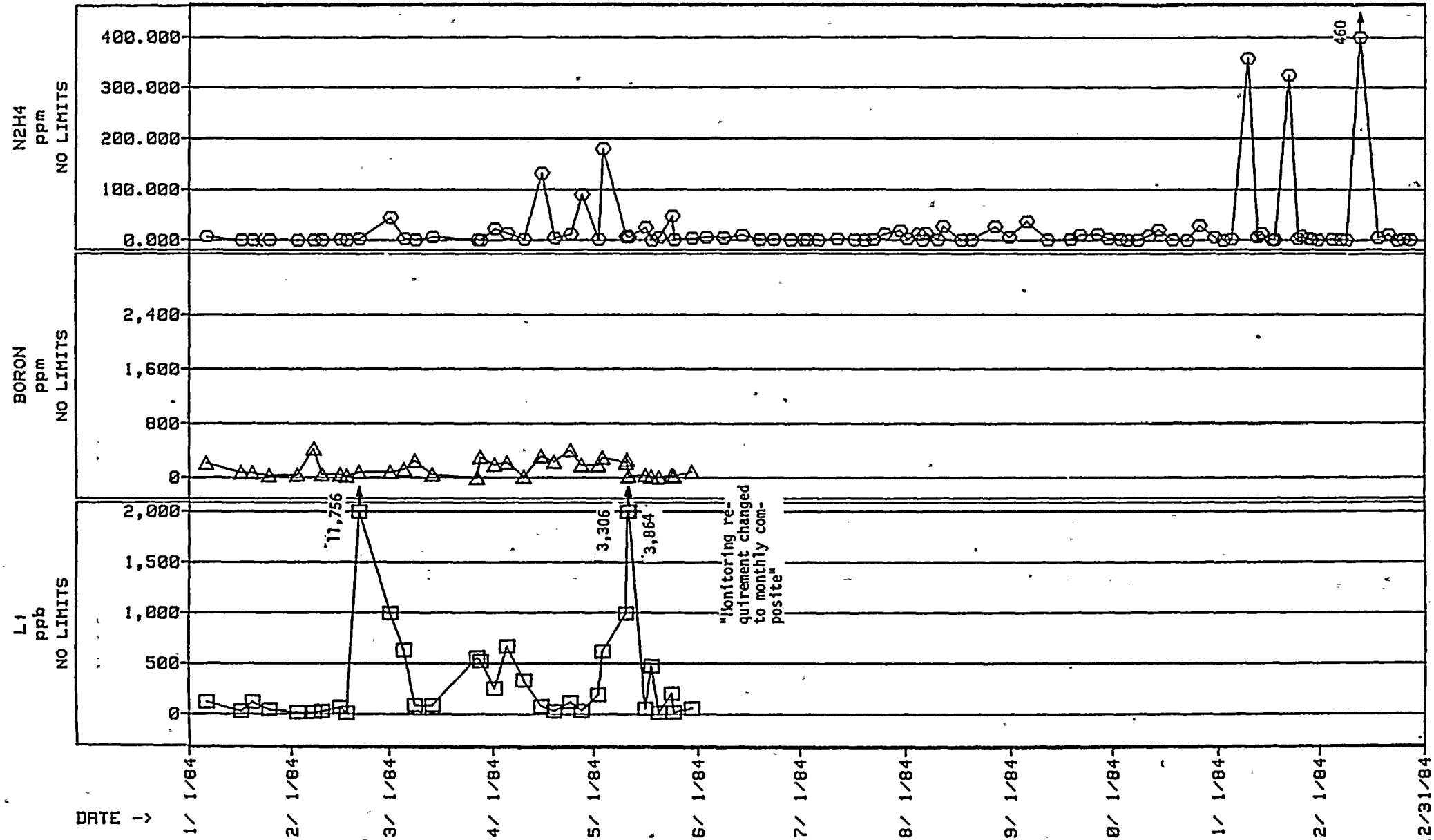
NUCLEAR PLANT OPERATIONS - DIABLO CANYON POWER PLANT

DISCHARGE 001D - LRW SYSTEM EFFLUENT - CHEM DRAIN TANK



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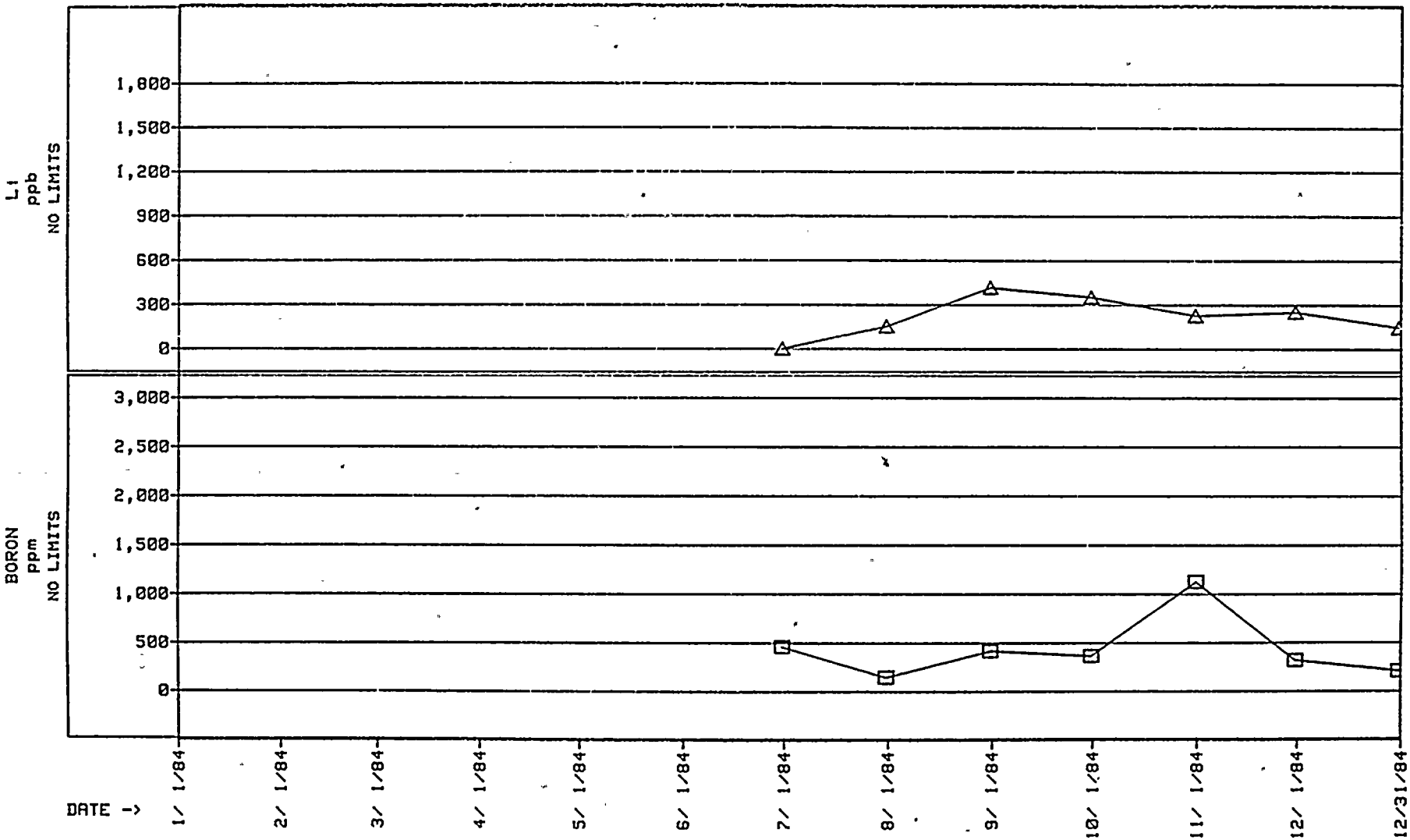
NUCLEAR PLANT OPERATIONS - DIABLO CANYON POWER PLANT

DISCHARGE 001D - LRW SYSTEM EFFLUENT - MONTHLY LRW COMPOSITE



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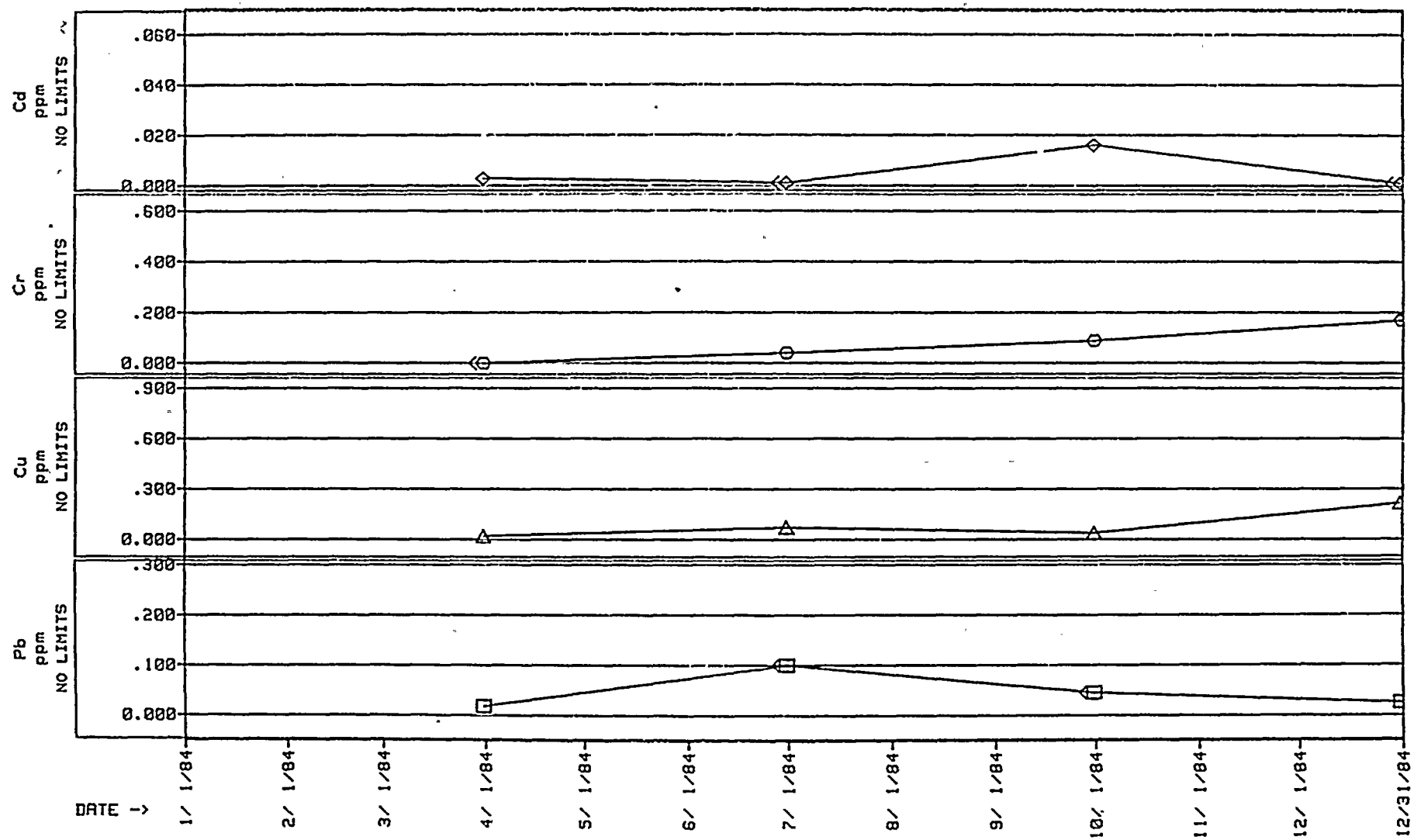
NUCLEAR PLANT OPERATIONS - DIABLO CANYON POWER PLANT

DISCHARGE 001D - LRW SYSTEM EFFLUENT - QUARTERLY LRW COMPOSITE



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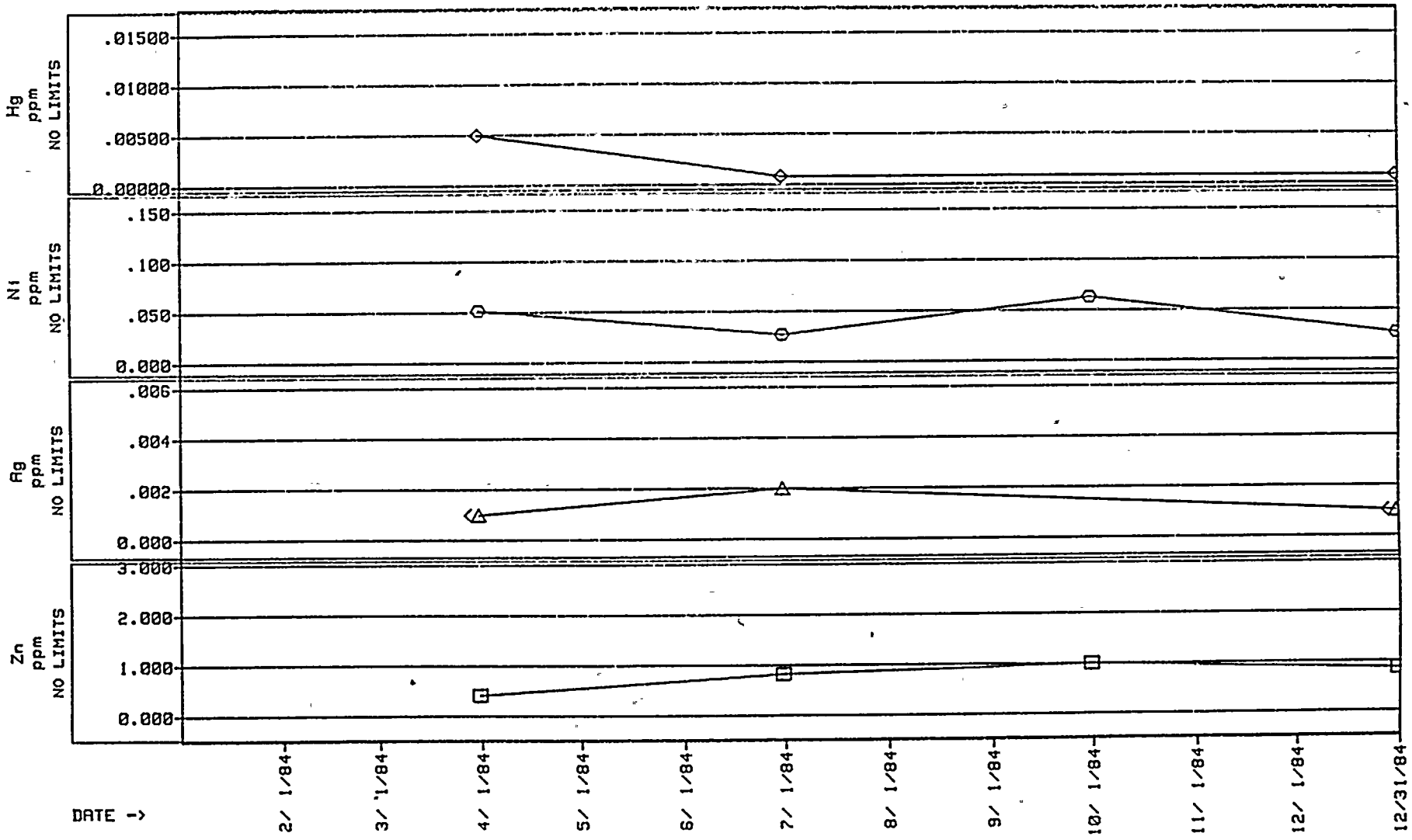
NUCLEAR PLANT OPERATIONS - DIABLO CANYON POWER PLANT

DISCHARGE 001D - LRW SYSTEM EFFLUENT - QUARTERLY LRW COMPOSITE



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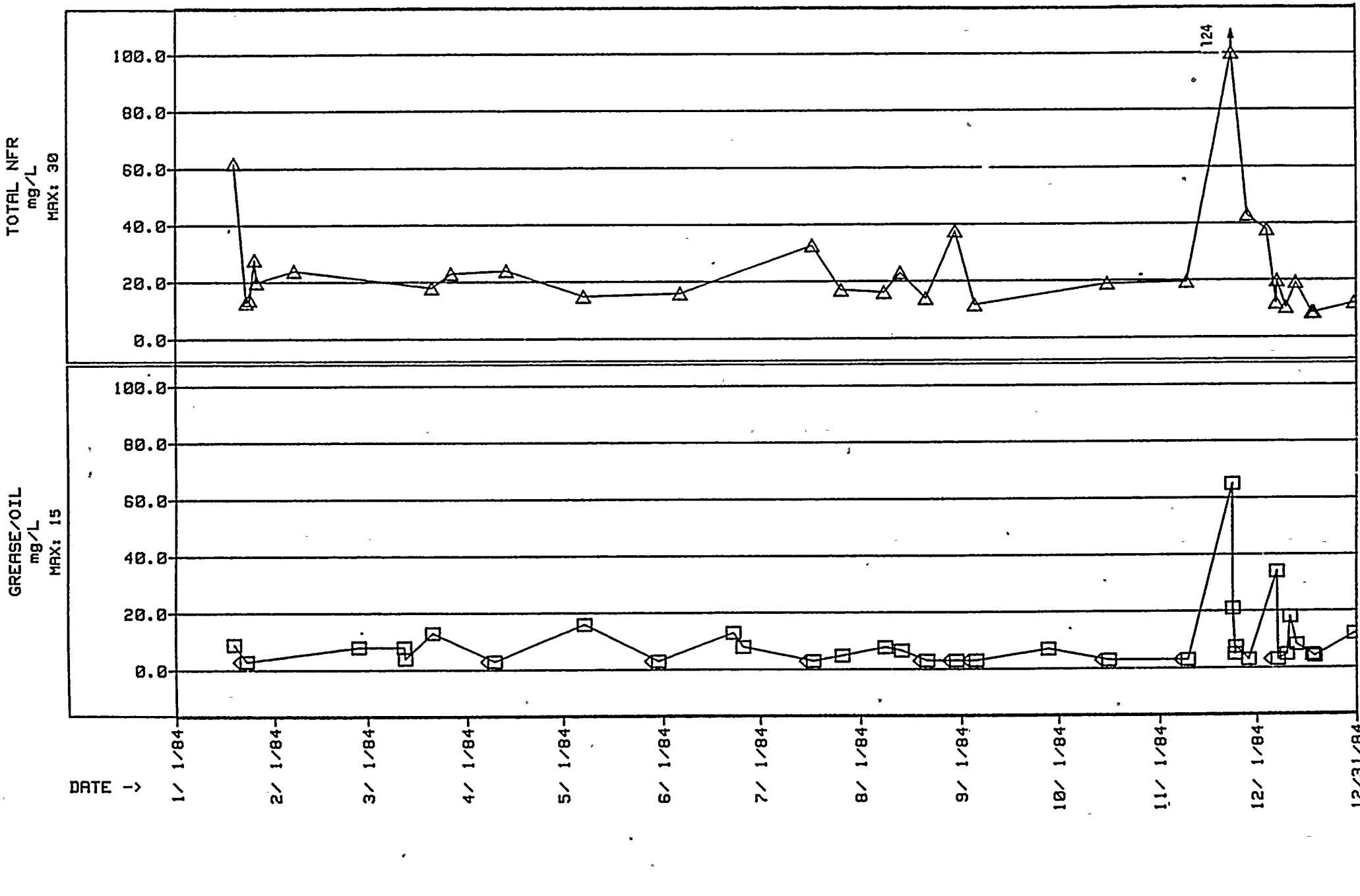
NUCLEAR PLANT OPERATIONS - DIABLO CANYON POWER PLANT

DISCHARGE 001F - TURBINE BUILDING SUMP & OWS - OWS - TURBINE BUILDING SUMP



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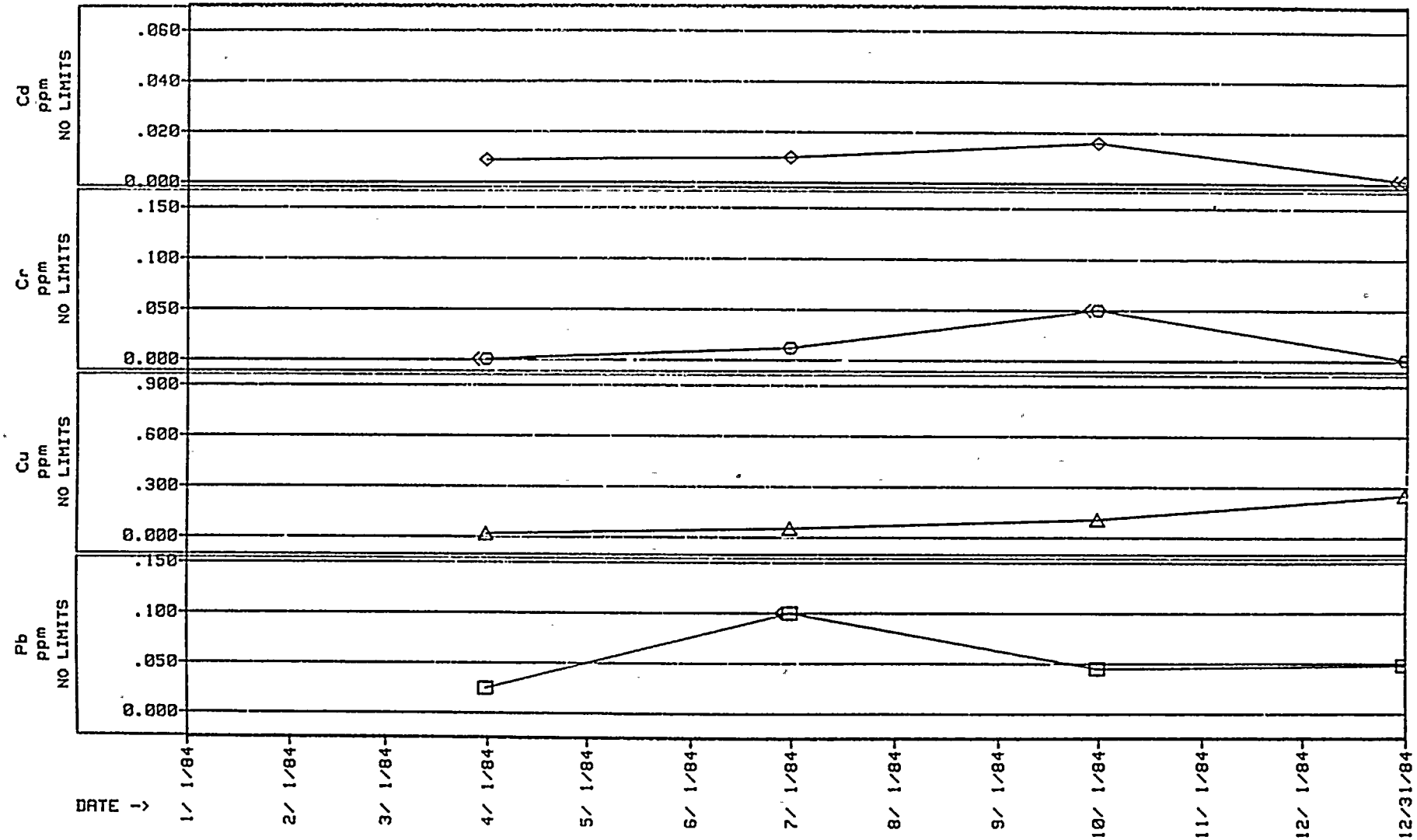
NUCLEAR PLANT OPERATIONS - DIABLO CANYON POWER PLANT

DISCHARGE 001F - TURBINE BUILDING SUMP & OWS - OWS/TURB. BUILD. SUMP QTR. COMP.



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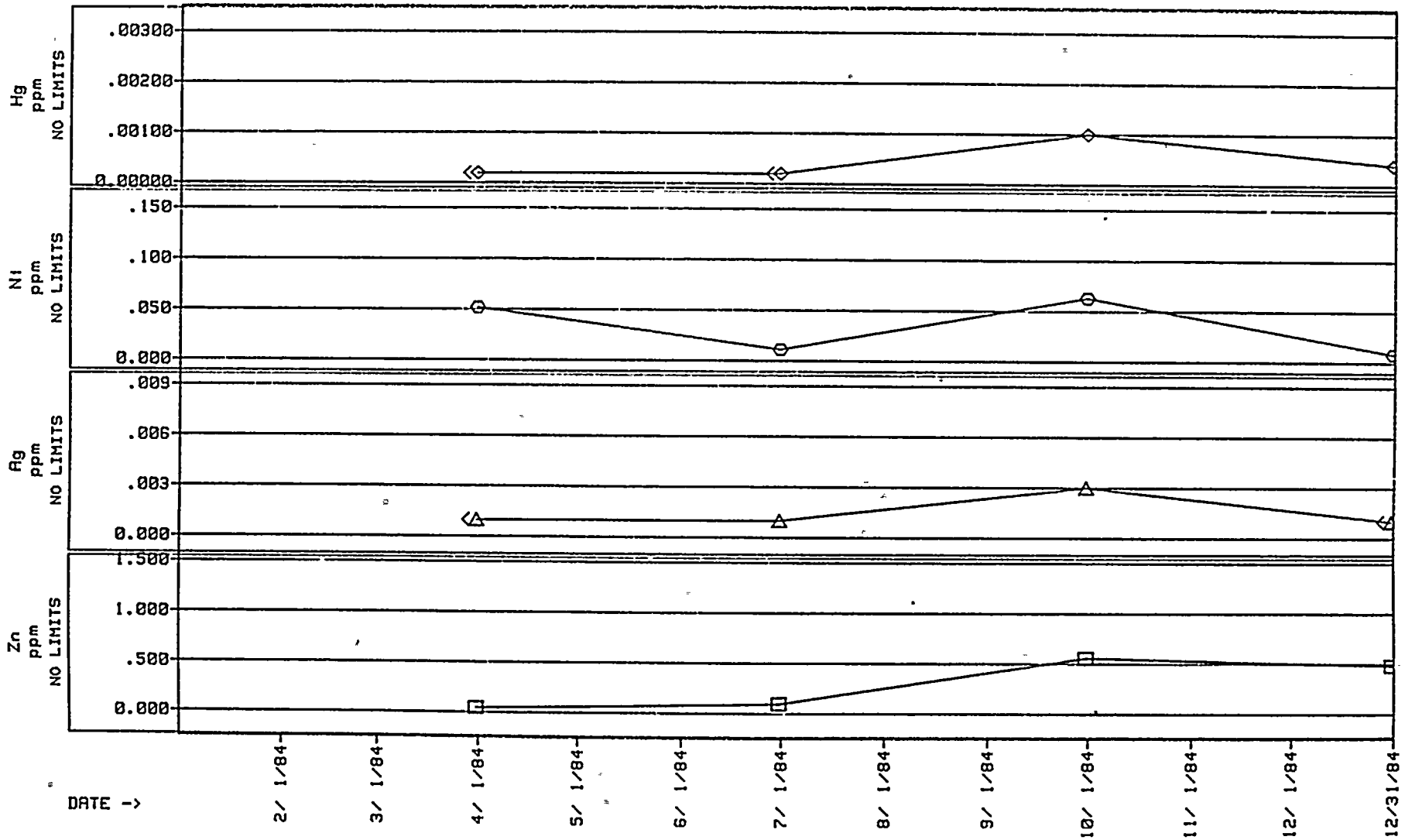
NUCLEAR PLANT OPERATIONS - DIABLO CANYON POWER PLANT

DISCHARGE 001F - TURBINE BUILDING SUMP & OWS - OWS/TURB. BUILD. SUMP QTR. COMP.



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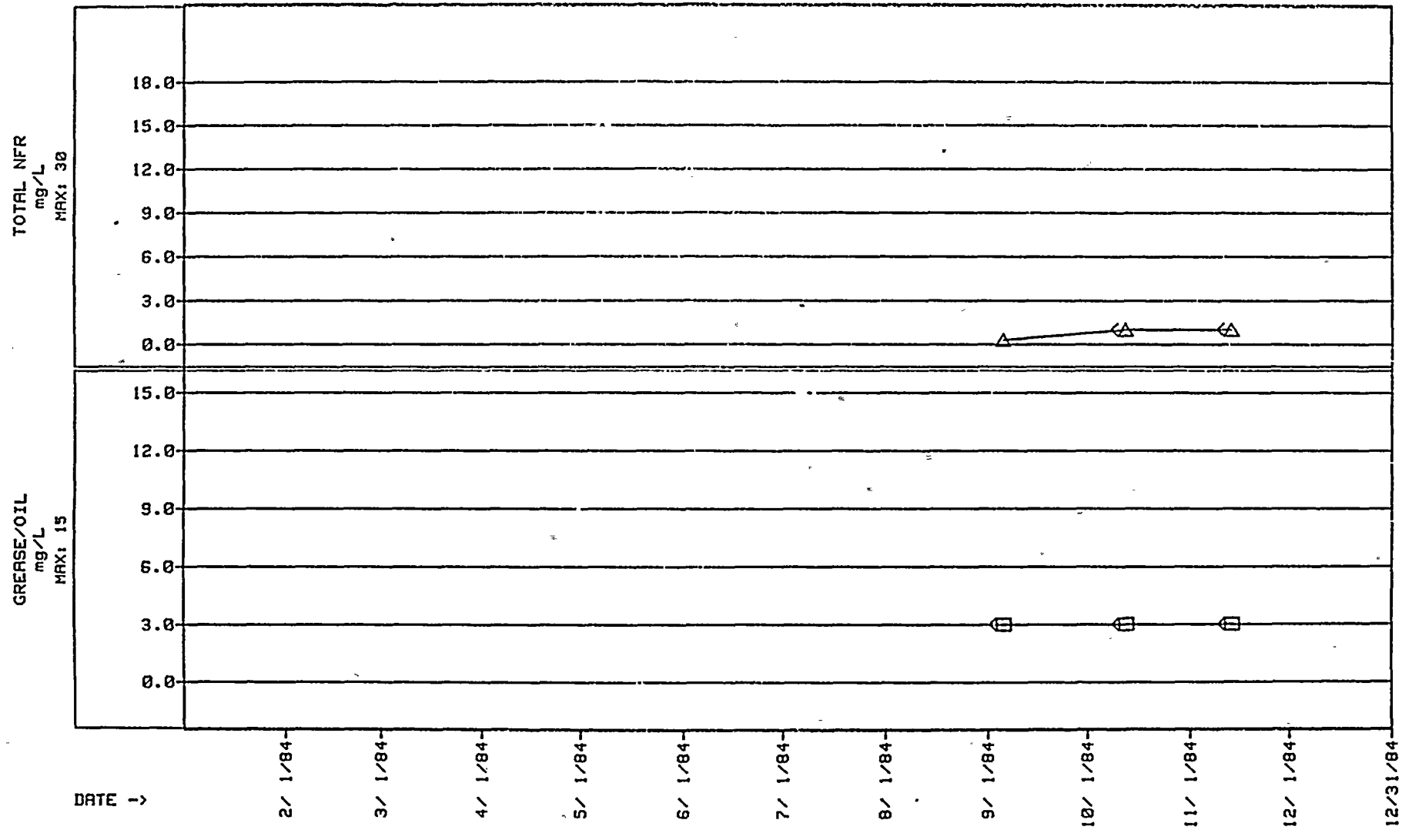
NUCLEAR PLANT OPERATIONS - DIABLO CANYON POWER PLANT

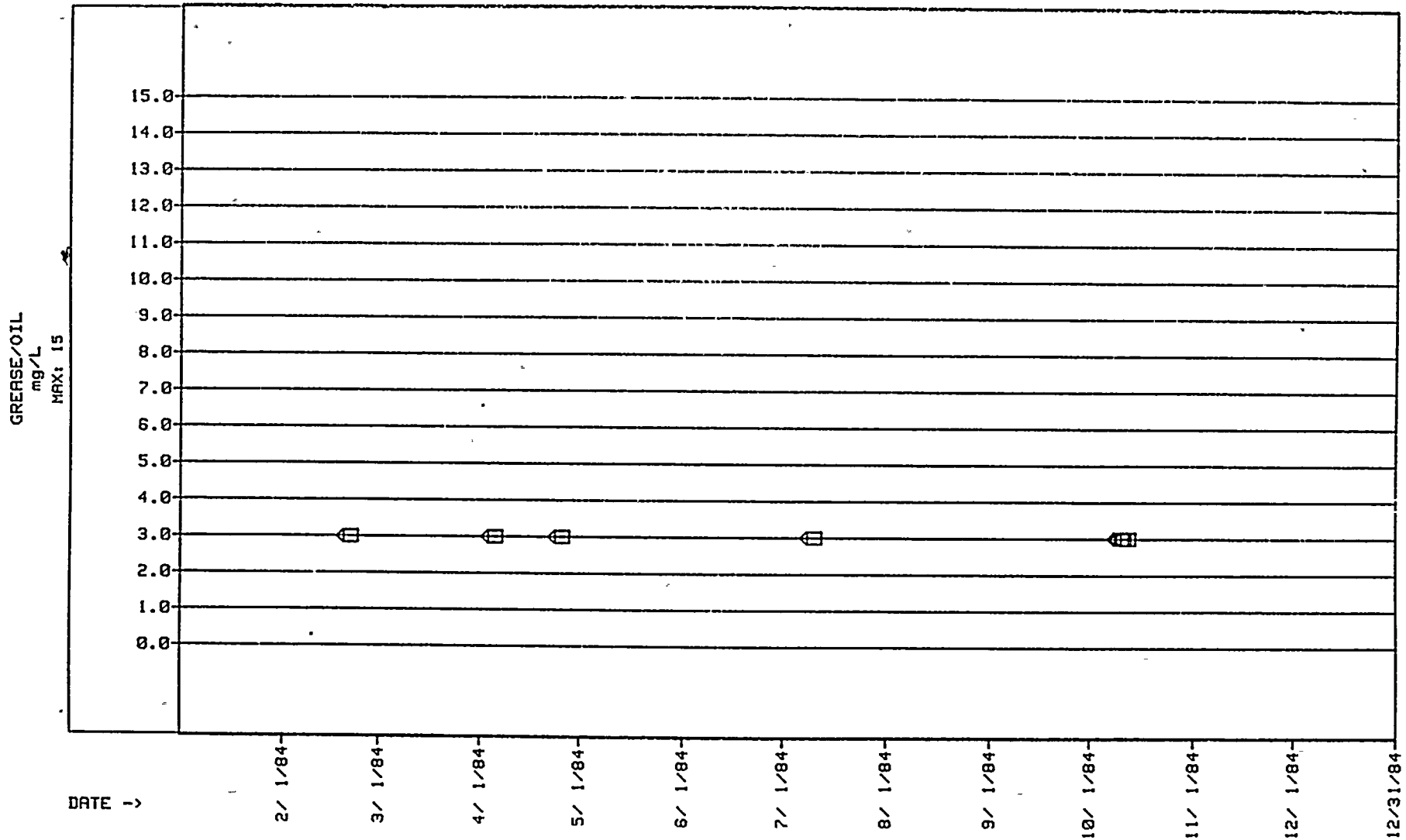
DISCHARGE 001G - REVERSE OSMOSIS BLOWDOWN - REVERSE OSMOSIS BLOWDOWN



PG&E

NUCLEAR PLANT OPERATIONS - DIABLO CANYON POWER PLANT

DISCHARGE 002 - INTAKE BUILDING FLOOR DRAINS - INTAKE BUILDING FLOOR DRAINS



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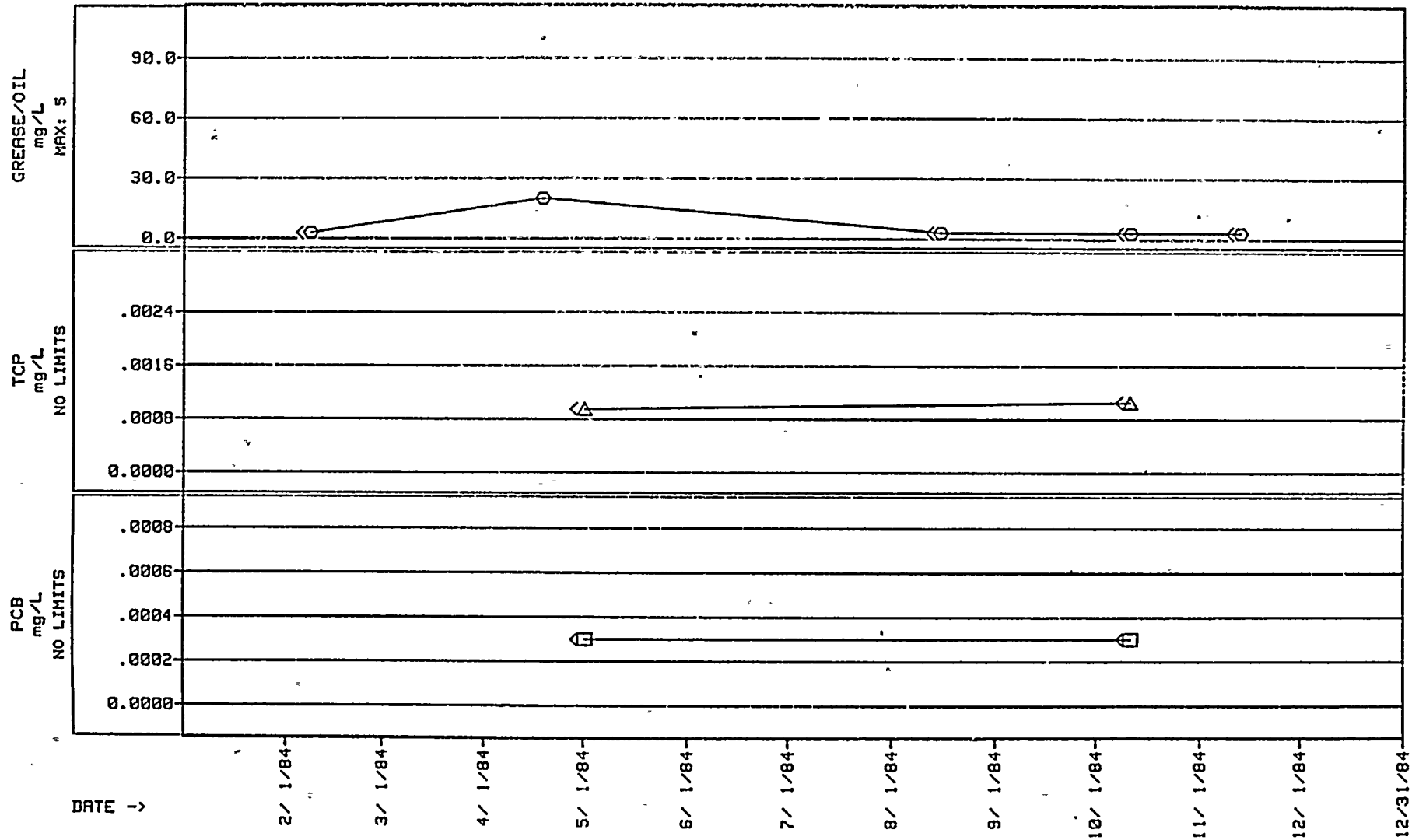
NUCLEAR PLANT OPERATIONS - DIABLO CANYON POWER PLANT

DISCHARGE 005 - YARD STROM DRAINS - YARD STORM DRAINS



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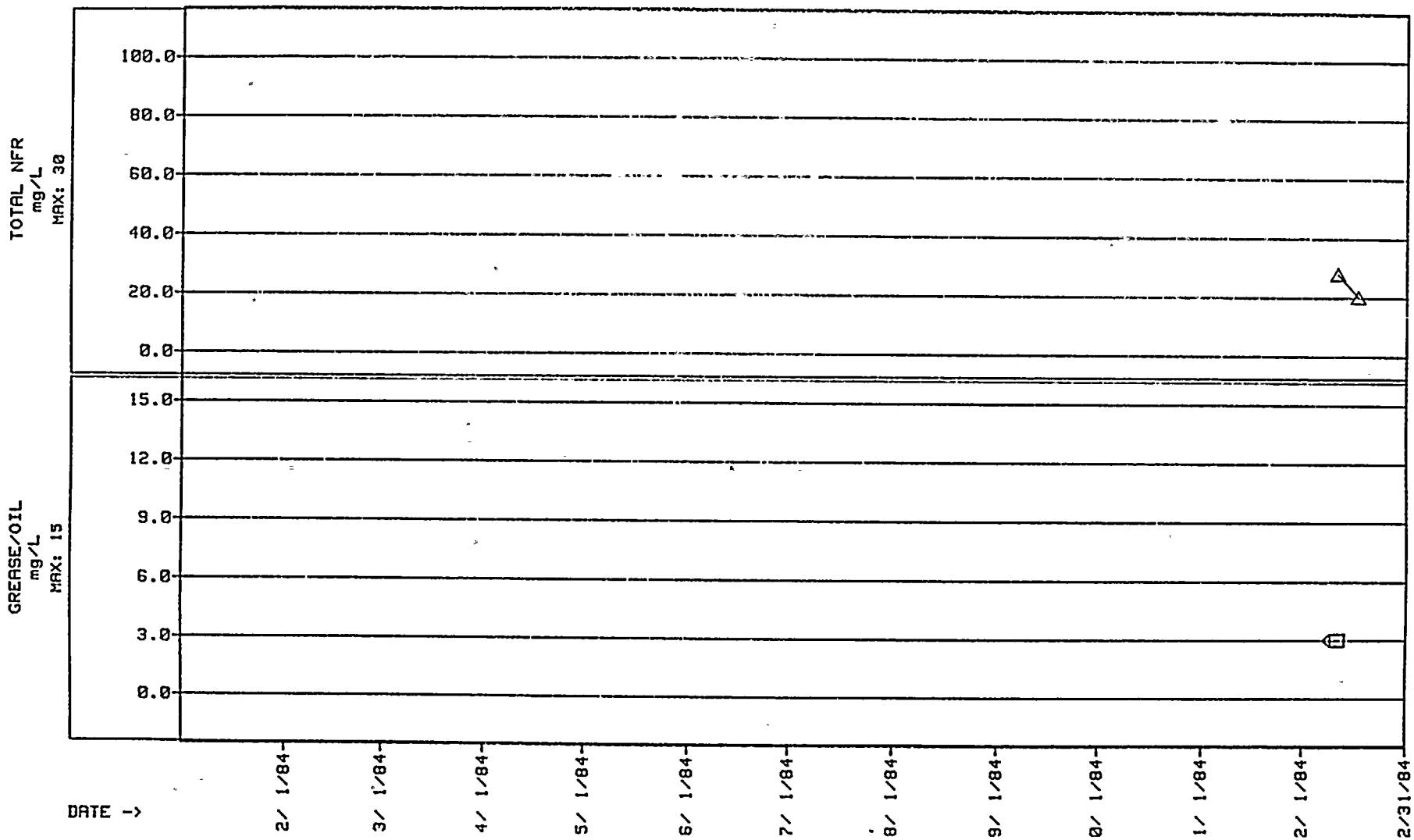
NUCLEAR PLANT OPERATIONS - DIABLO CANYON POWER PLANT

DISCHARGE 001I - SEAWATER EVAPORATOR BLOWDOWN - SEAWATER EVAP.



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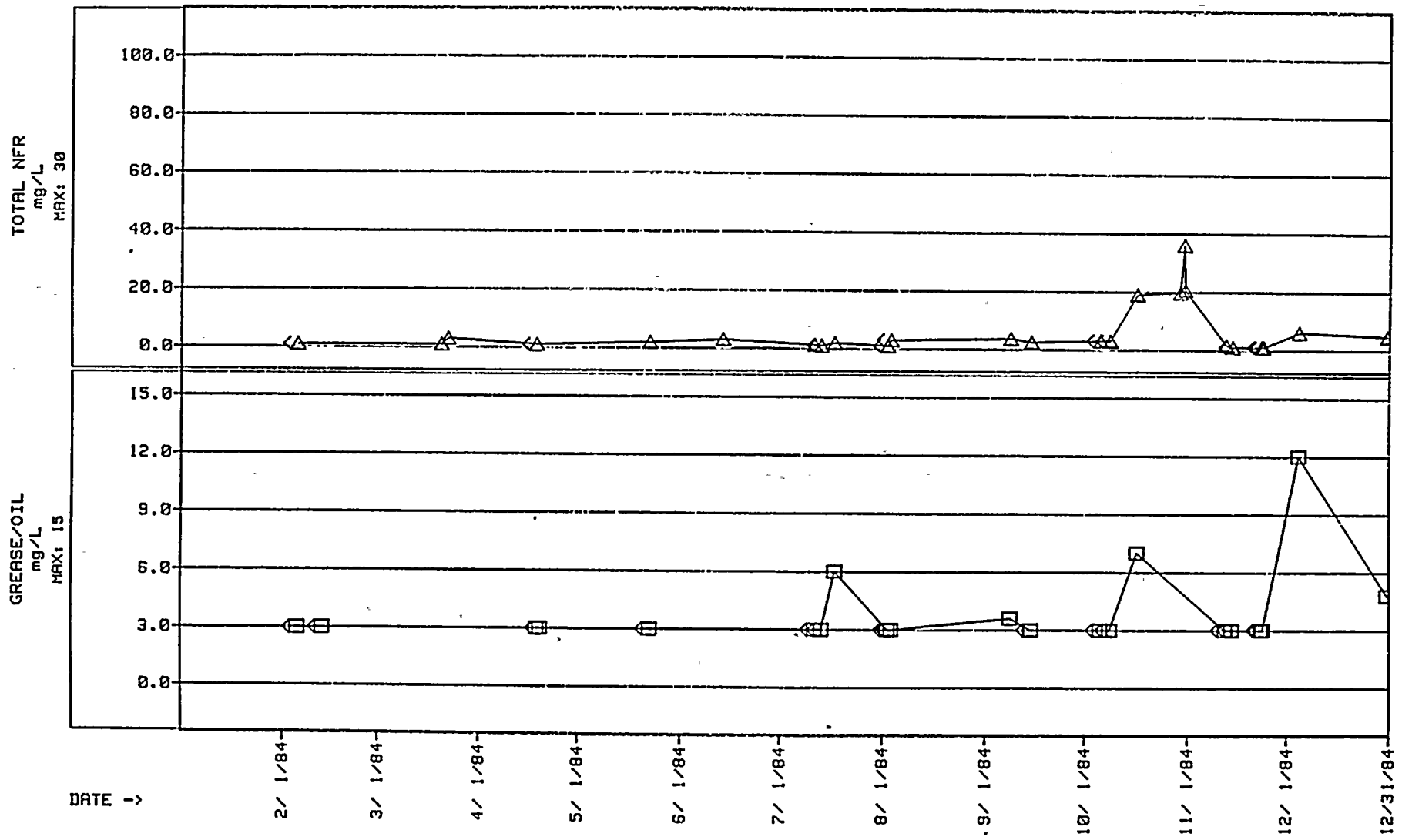
NUCLEAR PLANT OPERATIONS - DIABLO CANYON POWER PLANT

DISCHARGE 001J - COND. PUMPS DIS. HEADER OVERBOARD - COND. DIS. OVERBOARD



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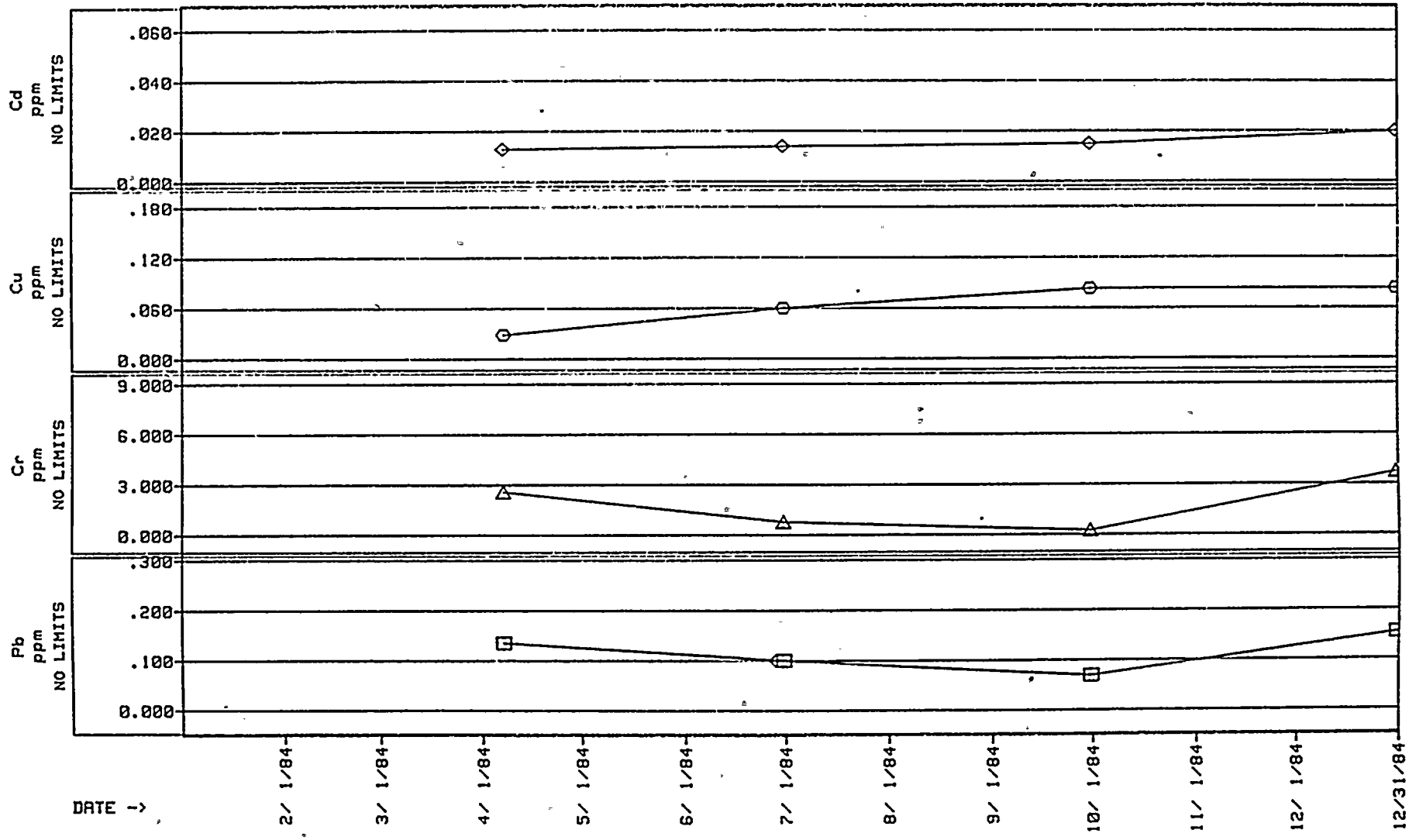
NUCLEAR PLANT OPERATIONS - DIABLO CANYON POWER PLANT

DISCHARGE 001H - HIGH & LOW COND. TANKS - DISCHARGE 001H COMPOSITE



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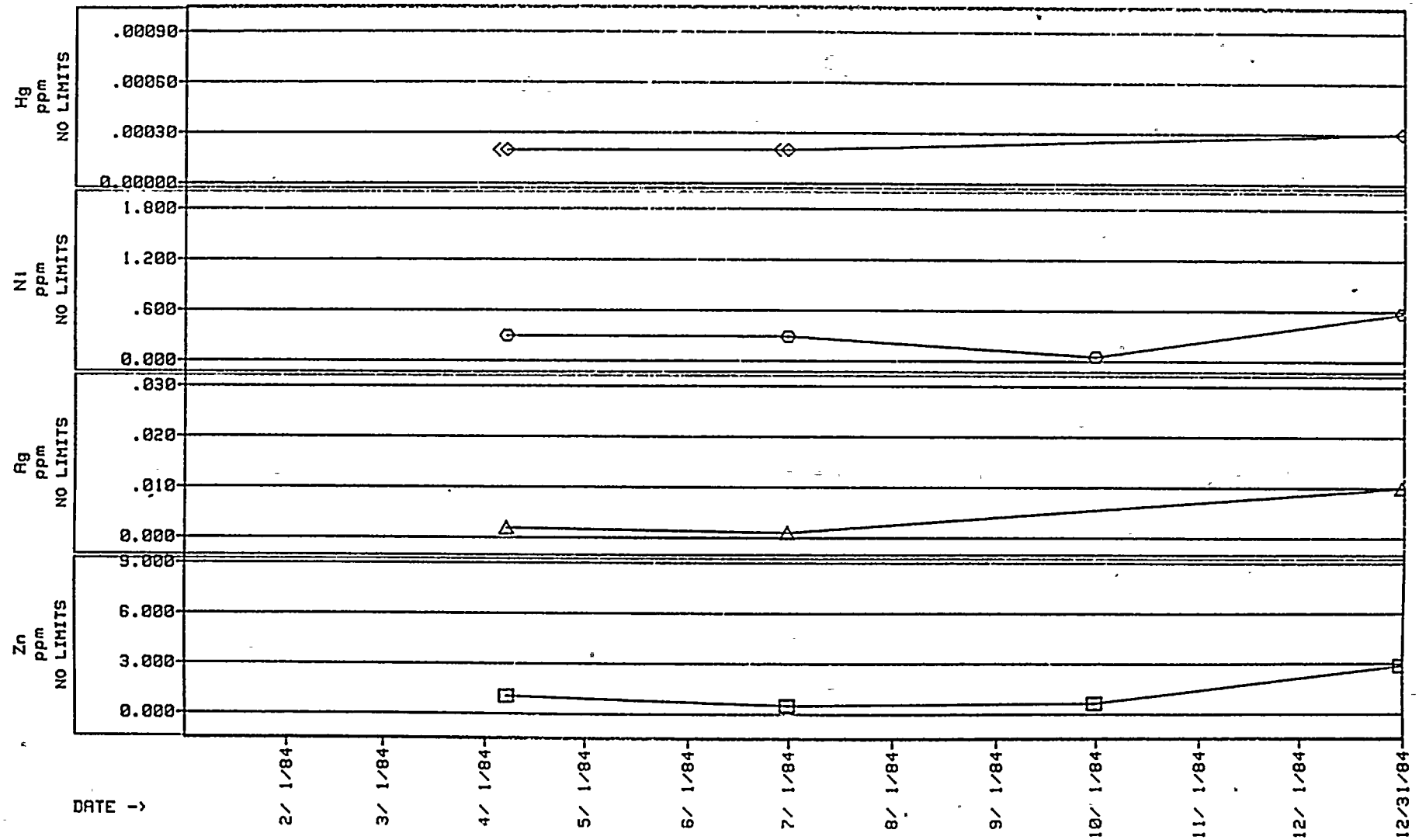
NUCLEAR PLANT OPERATIONS - DIABLO CANYON POWER PLANT

DISCHARGE 001H - HIGH & LOW COND. TANKS - DISCHARGE 001H COMPOSITE



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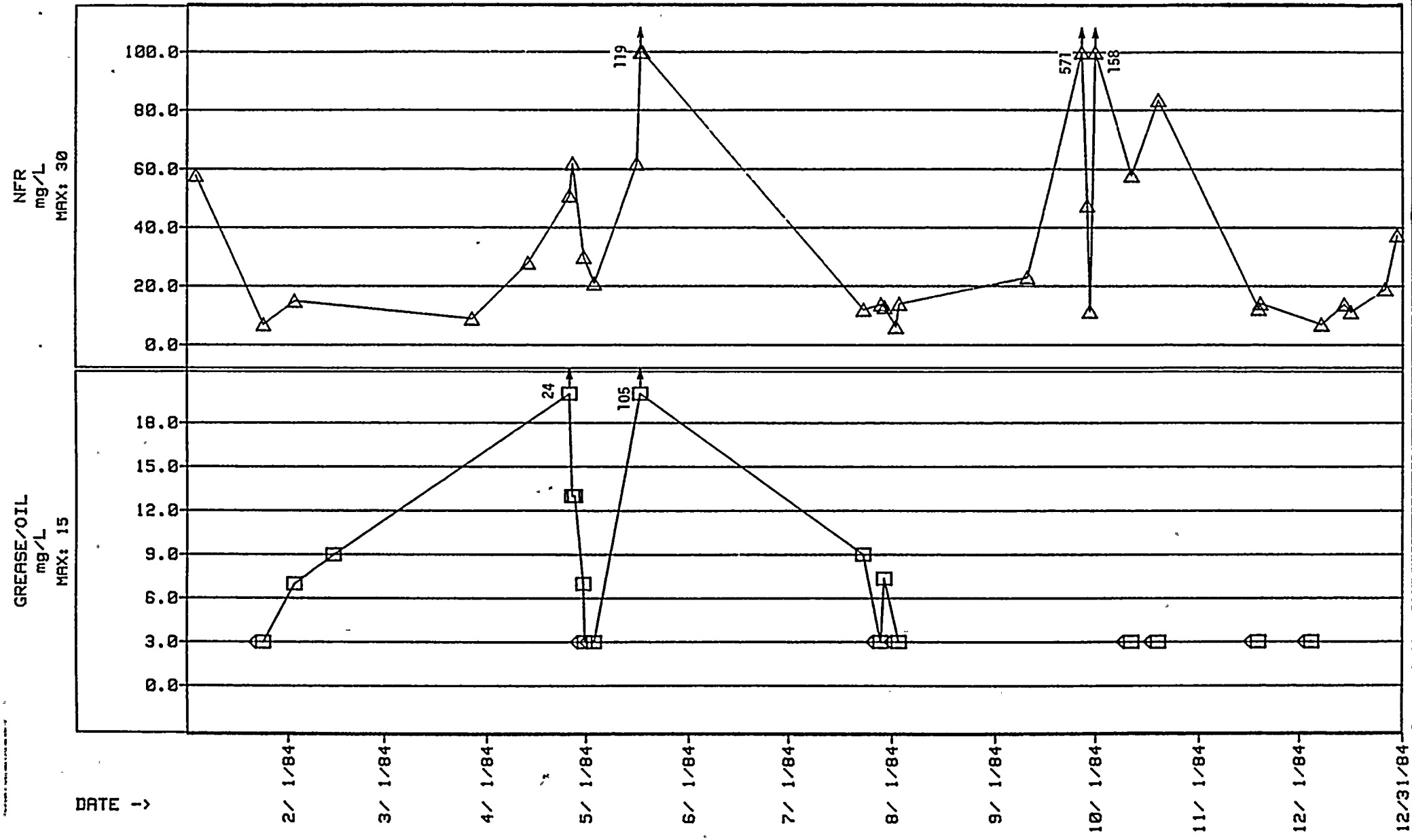
NUCLEAR PLANT OPERATIONS - DIABLO CANYON POWER PLANT

HIGH CONDUCTIVITY TANK Unit: I - HIGH CONDUCTIVITY TANK



PG&E

NUCLEAR PLANT OPERATIONS - DIABLO CANYON POWER PLANT

LOW CONDUCTIVITY TANK Unit: I - LCT