

Attachment to Licensee Event Report 82-41
Consumers Power Company
Palisades Plant
Docket 50-255

At 2152 on October 28, 1982, the plant tripped due to a loss of suction pressure to the main feedwater pumps. As required by Table 4.2.1 of Technical Specifications, a dose equivalent Iodine-131 analysis was performed at 0040 on October 29 which indicated 0.214 uCi/gm. In anticipation of an Iodine increase, another sample was performed at 0935 on October 29 which indicated 0.342 uCi/gm.

The reactor was taken critical at 2340 on October 29 and the plant placed on line at 0532 on October 30. At 0920, while at 37% power, another PCS sample was performed in accordance with Technical Specifications. This sample showed PCS dose equivalent Iodine-131 to be 1.38 uCi/gm, which is above the Technical Specification limit of 1.0 uCi/gm. Letdown flow to the purification demineralizers was increased from 40 to 80 gpm and iodine dose analyses were commenced at four hour intervals. At 1720 on October 30, dose equivalent Iodine-131 had been lowered to 0.88 uCi/gm.

The spike seen in the dose equivalent Iodine-131 concentration has been attributed to the increase in thermal power. These spikes are not abnormal and are in fact the basis of Technical Specification 3.1.4.b. To prevent recurrence, the post transient sampling frequency will be increased and a plan developed to provide more timely increase in the letdown flow to the purification demineralizers.

1. Sample Results

<u>Date/Time</u>	<u>Activity (uCi/gm)</u>
10/29 0040	0.214
10/29 0935	0.342
10/30 0920	1.38
10/30 1320	1.16
10/30 1720	0.88
10/30 2120	0.65
10/31 0120	0.48
10/31 0703	0.31

2. Power History

<u>From</u>	<u>To</u>	<u>Power Level</u>
10/28 0920	10/28 2152	100%
10/28 2152	10/29 2320	Hot Shutdown
10/29 2320	10/30 0532	Critical 0.0%
10/30 0532	10/30 0647	0 - 25%
10/30 0647	10/30 0725	25%
10/30 0725	10/30 0920	25 - 37%

3. Fuel Burnup by Core Region

See attached report

4. Cleanup Flow History

<u>From</u>	<u>To</u>	<u>Power Level</u>
10/28 0920	10/30 1212	40
10/30 1212	10/31 0935	80
10/31 0935	-	40

5. Degassing Operation History

No degassing was performed during the 48 hours prior to the event.

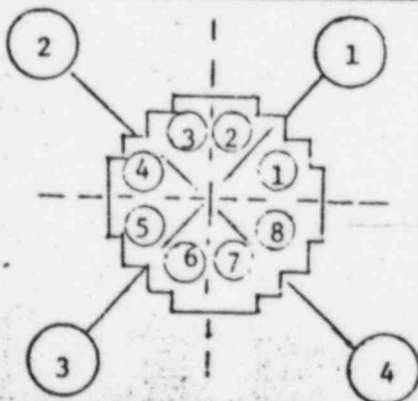
6. Duration

The specific activity of the primary coolant exceeded 1.0 uCi/gm dose equivalent iodine 131 for approximately 8 hours.

FUEL BURNUP BY CORE REGION
CYCLE V

Month October ³¹ 1982

OCTANT NUMBER								OCTANT BURNUP (MWD/T)	OCTANT ASS'Y. NO.	ON SYM LINI
1	2	3	4	5	6	7	8			
H-27		H-24		H-46		H-47		18232.9	1	Yes
H-36	H-23	H-19	H-29	H-37	H-50	H-51	H-45	16953.3	2	
H-15	H-12	H-11	H-14	H-48	H-53	H-54	H-49	16011.4	3	
G-33	G-11	G-09	G-32	G-34	G-65	G-67	G-35	25554.8	4	
H-18	H-09	H-08	H-17	H-40	H-56	H-57	H-41	15538.0	5	
H-25	H-05	H-02	H-22	H-33	H-60	H-67	H-35	14662.0	6	
G-23	G-20	G-17	G-22	G-43	G-48	G-50	G-44	25113.2	7	
I-28	I-27	I-26	I-25	I-24	I-23	I-22	I-21	3576.1	8	
G-36		G-30		G-55		G-56		27952.8	9	Yes
G-24	G-16	G-13	G-21	G-42	G-57	G-63	G-45	22900.1	10	
I-20	I-19	I-18	I-17	I-16	I-15	I-14	I-13	4838.8	11	
G-27	G-15	G-14	G-25	G-40	G-58	G-60	G-41	25238.5	12	
G-49	G-26	G-19	G-47	G-51	G-61	G-62	G-52	27955.2	13	
H-16	H-10	H-07	H-13	H-44	H-55	H-58	H-52	11997.3	14	
I-36	I-35	I-34	I-33	I-32	I-31	I-30	I-29	3714.0	15	
GDH-62		GDH-61		GDH-63		GDH-64		17122.4	16	Yes
G-31	G-12	G-04	G-28	G-37	G-64	G-68	G-39	23129.6	17	
H-21	H-06	H-01	H-20	H-38	H-59	H-68	H-39	12749.1	18	
G-05	G-02	G-01	G-03	G-06	G-08	G-10	G-07	26265.7	19	
GDI-12	GDI-11	GDI-10	GDI-09	GDI-08	GDI-07	GDI-06	GDI-05	4339.6	20	
I-44	I-43	I-42	I-41	I-40	I-39	I-38	I-37	2878.9	21	
H-34		H-30		H-42		H-43		17334.1	22	Yes
G-46	G-29	G-54	G-38	G-59	G-53	G-66	G-18	27197.9	23	
H-28	H-04	H-03	H-26	H-31	H-65	H-66	H-32	14731.3	24	
I-68	I-67	I-66	I-65	I-64	I-63	I-62	I-61	3990.7	25	
GDI-04		GDI-03		GDI-02		GDI-01		4406.2	26	Yes
I-52	I-51	I-50	I-49	I-48	I-47	I-46	I-45	4169.7	27	
I-60	I-59	I-58	I-57	I-56	I-55	I-54	I-53	2594.5	28	



OCTANT 1

26	27	28
22	23	24
16	17	18
9	10	11
12	13	14
15	1	2
3	4	5
6	7	8