

EXHIBIT A

(SEE ATTACHED SUPPLEMENTARY INFORMATION SHEET)

937313

7909110510

Supplementary Information

Report No.: 50-302/077-03L-0

Facility: Crystal River Unit #3

Report Date: 4 September 1979

Occurrence Date: 16 August 1979

Identification of Occurrence:

The Dose Equivalent I-131 was greater than 1.0 microcurie per gram of primary coolant contrary to Technical Specification 3.4.8.

Conditions Prior to Occurrence:

Mode 3 hot standby.

Description of Occurrence:

At 0509, following a Reactor trip, Chem/Rad sampling revealed that the Dose Equivalent I-131 exceeded 1.0 microcurie per gram of primary coolant. Dose Equivalent I-131 was 2.059 microcuries per gram. Action statement of 3.4.8 was entered and the four hour sampling frequency was initiated. The Dose Equivalent I-131 returned to within acceptable limits at 0500 on 18 August 1979.

Designation of Apparent Cause:

This event was due to an expected transient spike following a Reactor trip and known leaking fuel pins.

Analysis of Occurrence:

There was no safety hazard to the plant or general public as sampling demonstrated reducing levels of DEI-131. The transient was within the capabilities of the plant purification system.

Corrective Action:

No corrective action deemed necessary as Reactor Coolant purification returned the DEI-131 to within acceptable limits.

Failure Data:

This is the twelfth occurrence reported under this Technical Specification.

Reactor Power History of Prior

Forty-eight Hours

Item I

Event Date: 16 August 1979

937315

ALYTEM BUILDING FORMS, INC. IRVING, TEXAS

POOR
ORIGINAL

937316

DATE 8.15.79

BETTER BUSINESS FORMS, INC. TAMPA, FLA.

1	HOUR	GMWE (E710)	TURB G (T856)	MWTH (P753)	NI (P723)	RATIO NI/MT	RATIO ME/MT
2		%FP	BTU/KWH	%FP	%FP	%FP	%FP
3							
4	1	94.20	10177	98.21	98.80	1.006	.959
5	2	92.81	10164	96.62	97.80	1.012	.961
6	3	93.77	10169	97.83	98.80	1.010	.960
7	4	95.95	10166	99.96	100.50	1.005	.960
8	5	96.20	10166	100.20	100.70	1.005	.960
9	6	96.25	10166	100.20	100.80	1.004	.960
10	7	96.19	10162	100.16	100.38	1.001	.960
11	8	95.91	10150	100.00	100.00	1.000	.959
12	9	95.83	10187	99.84	99.90	1.001	.960
13	10	95.39	10170	99.39	99.50	1.001	.960
14	11	95.20	10164	99.14	99.70	1.003	.960
15	12	95.43	10181	99.55	99.50	1.000	.960
16	13	95.80	10167	100.00	99.20	1.000	.960
17	14	95.82	10193	100.08	99.60	1.000	.960
18	15	95.83	10193	100.08	99.60	1.000	.960
19	16	95.81	10205	100.16	99.90	1.000	.960
20	17	95.84	10211	100.29	99.70	1.000	.960
21	18	95.97	10217	99.75	99.30	1.000	.960
22	19	95.27	10221	99.72	99.30	1.000	.960
23	20	94.73	10213	99.14	98.90	1.000	.960
24	21	94.74	10213	99.14	98.90	1.000	.960
25	22	94.73	10212	99.10	98.90	1.000	.960
26	23	94.37	10200	99.10	98.90	1.000	.960
27	24	93.16	10201	97.80	97.80	1.000	.960

AVERAGE DAILY GENERATOR OUTPUT 10177 BTU/KWH
 AVERAGE DAILY THERMAL POWER 99.380 MWTH
 AVERAGE DAILY TURBINE GROSS HEAT RATE 10166 BTU/KWH
 AVERAGE DAILY MWTH POWER 99.380 MWTH
 AVERAGE DAILY NUCLEAR INST. POWER 99.454 MWTH

RATIO OF NI TO MWTH = 1.001

POOR
ORIGINAL

937317

DEITY UNIVERSITY, INC., TRUSTEES

1	HOUR	GMWE (E710)	TURB G (T856)	MWTH (P753)	NI (P723)	RATIO NI/MT	RATIO ME/MT
2		BTU/KWH					
3							
4	1	94.91	10197	99.14	98.90	.998	.957
5	2	95.39	10200	99.67	99.40	.997	.957
6	3	81.06	10237	84.77	87.00	1.026	.954
7	4	0.00	0	.00	0.00	0.000	0.000
8	5	0.00	0	.00	0.00	0.000	0.000
9	6	0.00	0	.00	0.00	0.000	0.000
10	7	0.00	0	.00	0.00	0.000	0.000
11	8	0.00	0	5.83	5.50	.943	0.000
12	9	0.00	0	8.67	8.70	1.301	0.000
13	10	1.08	37654	3.44	12.30	1.457	.127
14	11	19.02	13688	18.15	27.80	1.532	1.048
15	12	17.85	0	10.27	25.40	1.537	1.055
16	13	0.00	0	.00	0.00	0.000	0.000
17	14	0.00	0	.00	0.00	0.000	0.000
18	15	0.00	0	.00	0.00	0.000	0.000
19	16	0.00	0	.00	0.00	0.000	0.000
20	17	0.00	0	.00	0.00	0.000	0.000
21	18	0.00	0	.00	0.00	0.000	0.000
22	19	0.00	0	.00	0.00	0.000	0.000
23	20	0.00	0	.00	0.00	0.000	0.000
24	21	0.00	0	.00	0.00	0.000	0.000
25	22	0.00	0	.00	0.00	0.000	0.000
26	23	0.00	0	.00	0.00	0.000	0.000
27	24	0.00	0	.00	0.00	0.000	0.000
28							
29							
30							
31	AVERAGE DAILY GENERATOR GROSS					110.70 MW/MT	
32	AVERAGE DAILY THERMAL POWER					344.25 MW/MT	
33	AVERAGE DAILY TURBINE GROSS HEAT RATE					7012 BTU/KWH	
34	AVERAGE DAILY MWTH POWER					18.040 %/FP	
35	AVERAGE DAILY NUCLEAR INST. POWER					13.071 %/FP	
36							
37							
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39	RATIO OF NI TO MWTH = 1.073						
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Fuel Burnup by Core Region

Item 2

Event Date: 16 August 1979

937319

Item 2

The burnup was calculated at 11.7 EFPD for the three (3) enrichment regions.

<u>REGION</u>	<u>NUMBER of FA</u>	<u>BURNUP</u>
A		MWD/MTU
B	61	15,568 MWD/MTU
C	60	10,517 MWD/MTU
D	56	297 MWD/MTU
Ave.		9024 MWD/MTU

Clean-up Flow History

Item 3

Event Date: 16 August 1979

Item 3

Clean-up history starting forty-eight (48) hours prior to the first sample in which the limit was exceeded is as follows:

<u>DATE</u>	<u>TIME</u>	<u>LETDOWN FLOW</u>
8/14/79	0212	61 gpm
8/15/79	0100	68 gpm
8/16/79	0130	60 gpm

History of Degassing Operations for This Report

Item 4

Event Date: 16 August 1979

Degas Operations

Item 4

<u>DATE</u>	<u>TABLE</u>	<u>TIME</u>
8/14/79	Degassed Pressurizer	1600
8/16/79	Reactor Trip	0255

937324

Time Duration When DEI-131 Exceeded 1.0
μ Ci/gram and I-131 Analysis Results

Item 5

Event Date: 16 August 1979

937325

Item 5

As per Technical Specification 3.4.8

The four (4) hour sampling frequency was initiated at 0509 on 16 August 1979 and the Dose Equivalent I-131 was 2.059 microcuries per gram. The four (4) hour sampling frequency was terminated at 1415, on 18 August 1979 when the DEI-131 was determined to be .3685 microcuries per gram. DEI-131 was ≤ 1 μ Ci/gram at 0500 on 18 August 1979 when the sample results were .7437 μ Ci/gram.

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