



**Florida
Power**
CORPORATION

3-0-3-a-1
CS-79-070

March 16, 1979

Mr. J. P. O'Reilly, Director
Office of Inspection & Enforcement
U.S. Nuclear Regulatory Commission
101 Marietta St., Suite 3100
Atlanta, GA 30303

Docket No. 50-302
Licensee No. DPR-72
LER No.: 79-016/04X-0
Crystal River Unit #3
Occurrence Date:
January 1979

Dear Mr. O'Reilly:

The attached Licensee Event Report is submitted in accordance with
Environmental Technical Specification 5.6.2.B.

Very truly yours,

FLORIDA POWER CORPORATION

W. P. Stewart
Director, Power Production

JC/rc

Nuclear Plant Manager

REGULATORY DOCKET FILE COPY

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SUPPLEMENTARY INFORMATION

1. Report No.: 50-304/79-016-04X-0
2. Facility: Crystal River Unit #3
3. Report Date: 8 March 1979
4. Occurrence Date: January 1979 (discovered 8 March 1979)
(determined at plant 8 March 1979)
5. Identification of Occurrence:

Environmental samples were not analyzed using procedures which provided LLD's equal to, or less than, those required by the Environmental Technical Specifications.

6. Conditions Prior to Occurrence:

N/A.

7. Description of Occurrence:

The following sample had an LLD greater than that required for the date indicated below:

SEAWATER (6 stations)
(~~at~~ > ETS)

JANUARY
1

8. Description of Apparent Cause:

Inadequate sample time was the apparent cause of the greater than required LLD.

9. Analysis of Occurrence:

The activity associated with the Zn-65 at Station C09 for January was non-detectable as was the activity for Zn-65 for all six stations in both January and February.

10. Corrective Action:

The LLD for Zn-65 from Sample Station C09 (Control) for January 1979 was 21 pCi/kg. The average LLD for Zn-65 from all sample stations for January 1979 was 13 pCi/kg, for February 1979 it was 11 pCi/kg and for January and February 1979 it was 12 pCi/kg. The required LLD is 20 pCi/kg.

Analyses are performed in such a manner that the stated LLD's will be achieved under routine conditions. Occasionally, background fluctuations, unavoidably small samples sizes, the presence of interfering nuclides, or other uncontrollable circumstances may render the LLD's unachievable. In this case, the energy of the Zn-65 gamma is about the same of the average gamma from the Compton effect of K-40. When there is an unexpected K-40 activity in a sample, it will influence the Zn-65 LLD even though there may be no Zn-65 activity. Therefore, no corrective action is proposed.

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Supplementary Information (Cont'd)
Report No. 50-302/79-016/04X-0

11. Failure Data:

This is the twelfth (12th) report for this type occurrence.
Refer to:

LER 77-111E dated 21 September 1977
77-134E dated 8 November 1977
77-141E dated 7 December 1977
77-144E dated 15 December 1977
77-164E dated 26 January 1978

78-012/04X-0 dated 17 April 1978
78-013/04X-0 dated 24 April 1978
78-014/04X-0 dated 11 May 1978
78-018/04X-0 dated 14 June 1978
78-019/04X-0 dated 17 July 1978
78-023/04X-2 dated 26 October 1978

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