

50-335

## NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

FILE NUMBER

INCIDENT REPORT (ENVIRO)

TO: Mr Moseley

FROM: Florida Pwr & Light Co  
Miami, Fla  
A D Schmidt

DATE OF DOCUMENT

7-29-76

DATE RECEIVED

8-6-76 1-5-86

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## DESCRIPTION

Ltr trans the following:

PLANT NAME: St Lucie #1

## ENCLOSURE

Licensee Event (RO#335-B-76-03) on 7-1776  
concerning defective gasket in volume control  
tank.....

ACKNOWLEDGMENT

DONE

NOTE: IF PERSONNEL EXPOSURE IS INVOLVED  
SEND DIRECTLY TO KREGER/J. COLLINS

## FOR ACTION/INFORMATION

8-9-86

ehf

BRANCH CHIEF:

Ziemann

W/3 CYS FOR ACTION

LIC. ASST.:

Diggs

W/1 CYS

ACRS 1/2 CYS HOLDING/SENT TO LA

## INTERNAL DISTRIBUTION

REG FILE

NRC PDR

I &amp; E (2)

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EISENHUT

BAER

SHAO

VOLLMER/BUNCH

KREGER/J. COLLINS

## EXTERNAL DISTRIBUTION

LPDR: FE Pierce, Fla

TIC:

NSIC:

CONTROL NUMBER

7940

(ENVIRO)

7-29-76

8-6-76 7-29-76

Florida Pwr & Light Co  
Miami, Fla  
A D Schmidt

Mr Mosley

acc

Licensee Event (RO#332-B-76-03) on 7-17-76  
concerning defective gasket in volume control  
tank.....

Let trans the following:

St Lucie #1

8-2-76 gnt

FLORIDA POWER &amp; LIGHT COMPANY

July 29, 1976

PRN-LI-76-194

Mr. Norman C. Moseley, Director, Region II  
Office of Inspection and Enforcement  
U. S. Nuclear Regulatory Commission  
230 Peachtree Street, N. W., Suite 818  
Atlanta, Georgia 30303



Dear Mr. Moseley:

REPORTABLE OCCURRENCE 335-B-76-03  
ST. LUCIE UNIT 1  
DATE OF OCCURRENCE: JULY 1, 1976

VOLUME CONTROL TANK

The attached Non-Routine Radioactive Effluent Report is being submitted in accordance with Environmental Technical Specification (Appendix B) 5.6.2.b(3) to provide 30-day notification of the subject occurrence.

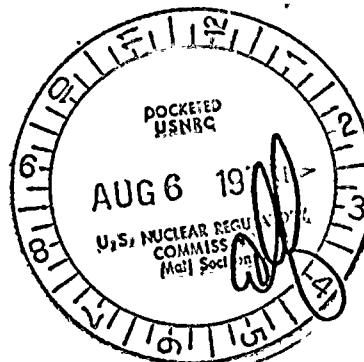
Very truly yours,

*J. R. Bauser*  
for A. D. Schmidt  
Vice President  
Power Resources

MAS/cpc

Attachment

cc: Jack R. Newman, Esquire  
Director, Office of Inspection and Enforcement (20)  
Director, Office of Management Information and  
Program Control (2)



7940

REPORTABLE OCCURRENCE 335-B-76-03  
VOLUME CONTROL TANK  
July 30, 1976

A. Description

On July 1, 1976, during maintenance on a leaking inlet flange on the Volume Control Tank (VCT), 15 curies of primarily noble gas activity was vented into the Reactor Auxiliary Building and was subsequently discharged through the plant vent over a period of two hours. This was in excess of the 5 curie reporting level specified in Environmental Technical Specification (Appendix B) 2.4.3.f.

B. Analysis

1. A gas sample was taken for analysis approximately 40 minutes after the discharge began. The plant vent gas monitor was reading 1500 cpm at that time. The highest reading during the discharge was 11,000 cpm.
2. Analytical results:
  - a. Iodine - none detected.
  - b. Particulate - Rb 88 (from Kr 88 decay).  
 $5.7 \times 10^{-6} \mu\text{Ci/cc}$
  - c. Noble gases - Kr 85m  $6.5 \times 10^{-7} \mu\text{Ci/cc}$   
Xe 133  $5.3 \times 10^{-5} \mu\text{Ci/cc}$   
Xe 135  $3.9 \times 10^{-6} \mu\text{Ci/cc}$   
Kr 88  $5.7 \times 10^{-6} \mu\text{Ci/cc}$
3. Total release: 15 curies over a two-hour time span.
4.  $\bar{K}$ ,  $\bar{L}$ ,  $\bar{M}$ , and  $\bar{N}$  calculations were performed per specification 2.4.3 for the peak release (11,000 cpm  $\div$  1500 cpm  $\times$  analyzed activities). The results for  $\bar{M}$ , which were the most conservative, showed that the release rate was 53% of the allowable average release rate during any 12 consecutive months.

C. Evaluation

The activity discharged was greater than anticipated, however, no release limits were exceeded. The highest release rate of the discharge period was only 53% of the allowable average release rate during any 12 consecutive months. The release was properly monitored and accounted for by sampling the plant vent. The total released activity was derived by relating the sample results to the plant vent monitor readings.

REPORTABLE OCCURRENCE 335-B-76-03

VOLUME CONTROL TANK

July 30, 1976

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D. Corrective Action

The VCT inlet flange was leaking because of a defective Flexitallic gasket. The leak was stopped by replacing the gasket.