

# ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

## REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8911150245 DOC. DATE: 89/11/09 NOTARIZED: NO DOCKET #  
 FACIL: 50-250 Turkey Point Plant, Unit 3, Florida Power and Light C 05000250  
 50-251 Turkey Point Plant, Unit 4, Florida Power and Light C 05000251

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 RECIP. NAME RECIPIENT AFFILIATION  
 Document Control Branch (Document Control Desk)

SUBJECT: Forwards annual rept of leaking radioactive sources for  
 Nov 1988 - Oct 1989.

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	NUDOCS-ABSTRACT	1 1	<del>REG FILE 01</del>	1 1
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L-89-385

NOV 07 1989

U. S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, D. C. 20555


Gentlemen:

Re: Turkey Point Units 3 and 4  
Docket Nos. 50-250 and 50-251  
Annual Report of Leaking Radioactive Sources

Turkey Point Units 3 and 4 in accordance with Section 4.7.9.3 of 0-ADM-021, "Technical Specification Implementation Procedure," transmits the attached report identifying those radioactive sources found to have a removable contamination greater than or equal to 0.005 micro Curies. The report is for the time period between November, 1988 and October, 1989.

Should you have any questions on this information, please contact us.

Very truly yours,

  
K. N. Harris  
Vice President  
Turkey Point Plant Nuclear

KNH/DRP/STD/rat

Attachments

cc: Stewart D. Ebnetter, Regional Administrator, Region II, USNRC  
Senior Resident Inspector, USNRC, Turkey Point Plant

8911150245 891109  
PDR ADOCK 05000250  
R PDC

JE25  
11



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[illegible]
$$E = \frac{1}{2}mv^2 = \frac{1}{2}m\left(\frac{h}{m\lambda}\right)^2 = \frac{h^2}{2m\lambda^2} \quad \text{or} \quad \lambda = \frac{h}{\sqrt{2mE}} \quad (2)$$

$\frac{d}{dt} \left( \frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}$

ATTACHMENT 1 TO L-89-385

- 1) On November 4, 1988, a Health Physics technician handling a Co-60 source discovered the source to be leaking. The source is a standard radionuclide source (source number 23880A-130) manufactured by Analytics, Inc. The radionuclide source material is placed on a one-inch thick plastic disk, and covered with a thin plastic (0.7 mg/cm<sup>2</sup> thick). The activity of the source on the day of the event was approximately 8.5 uCi. A survey of the outside of the source indicated leakage activity of about 0.063 uCi.

Following the discovery of the leaking source, a survey of the storage location and of the Health Physics counting room and instrument repair room was performed. Other sources stored in the same location were also checked for contamination. No contamination was found in the surveys performed. The leaking source was removed from service and contained to preclude further leakage. The source was disposed of in accordance with 0-HPS-041, "Control of Radioactive Materials Inside the Radiation Controlled Area."

- 2) On January 31, 1989, a solid sealed 0.39 uCi Sr/Y-90 radioactive check source (source number HP073) was removed from the Main Steam Line Radiation Monitor (RAD-6426) by Instrumentation and Control (I&C) personnel to facilitate maintenance on the instrument. The source was placed in a Whirl-Pack bag and secured in the source storage cabinet located in the Health Physics Calibration Lab. Later that day, a leak check survey indicated surfaced contamination of about 0.3 uCi.

Following the discovery of the leaking source, a survey of the work location and I&C personnel was performed. No contamination was found. In accordance with Technical Specification 3.11 and 0-HPS-092, "Leak Testing of Radioactive Sources," the leaking source was removed from service and contained to preclude further spread of contamination. The source was disposed of in accordance with 0-HPS-041.



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THE UNITED STATES OF AMERICA

IN SENATE

January 10, 1912.

REPORT

OF THE

COMMISSIONER OF THE GENERAL LAND OFFICE

IN RESPONSE TO A RESOLUTION PASSED BY THE SENATE

APRIL 10, 1907.

WASHINGTON:

GOVERNMENT PRINTING OFFICE:

1912.