

Stephen B. Bram
Vice President

Consolidated Edison Company of New York, Inc.
Indian Point Station
Broadway & Bleakley Avenue
Buchanan, NY 10511
Telephone (914) 737-8116

September 5, 1989

Re: Indian Point Unit No. 2
Docket No. 50-247

Document Control Desk
US Nuclear Regulatory Commission
Mail Station P1-137
Washington, DC 20555

SUBJECT: Sealed Source Leakage in Excess of Technical Specification Limits

This special report is being submitted in accordance with the requirements of IP-2 Technical Specifications 6.9.2.c. and 4.15 ("Radioactive Materials Surveillance").

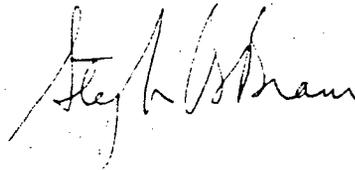
On August 4, 1989, a routine, periodic leak test for the presence of removable contamination was conducted for an SR-90 source, serial number 619, manufactured by Chicago Nuclear. This source, which was purchased in 1962 (specific activity 1.8 uCi), is retired and has not been used to calibrate any plant instrumentation. The level of removable contamination detected was 2.2×10^{-2} uCi. Previous tests of this source, conducted in Feb. 1989 had indicated removable contamination levels less than Technical Specification limits.

A spectrographic analysis was performed to determine the presence of cross contamination. No gamma emitters were identified. The source was isolated and a documented survey of the storage area and storage container was performed. No contamination from the SR-90 source was detected.

The source was then encapsulated to prevent further leaking of the isotope. Due to high beta fields emitted from the source, a further inspection to determine the cause of leakage could not be performed. The source will be disposed of in accordance with plant procedures and NRC regulation. There are no other SR-90 sources of this design in our inventory.

Should you or your staff have any questions on this matter, please contact Mr. Jude G. Del Percio, Manager, Regulatory Affairs and Safety Assessment.

Very truly yours,



8910020217 820708
FDR - ADUCK 00000247
6 FILE

JE22
76

cc: Mr. William Russell
Regional Administrator - Region I
US Nuclear Regulatory Commission
475 Allendale Road
King of Prussia, PA 19406

Mr. Donald S. Brinkman, Senior Project Manager
Project Directorate I-1
Division of Reactor Projects I/II
US Nuclear Regulatory Commission
Mail Stop 14B-2
Washington, DC 20555

Senior Resident Inspector
US Nuclear Regulatory Commission
PO Box 38
Buchanan, NY 10511