William J. Cahill, Jr.
Vice President

Consolidated Edison Company of New York, Inc.
4 Irving Place, New York, N Y 10003
Telephone (212) 460-3819

December 16, 1976

Re: Indian Point Unit No. 2
Docket No. 50-247
R.O. -76-2-23(A)

Mr. James P. O'Reilly, Director
Office of Inspection and Enforcement
Region 1
U.S. Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, Pa 19406

Dear Mr. O'Reilly:

We transmit herewith Reportable Occurrence report R.O. -76-2-23(A). Three copies of this letter and the attachment are enclosed as required.

Very truly yours,

William J. Cahill, Jr.
Vice President

attach.
PK/mmg

Copy to: Director of Nuclear Reactor Regulation
ATTN: Dr. Ernst Volgenau, Director (40 copies)
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Director of Nuclear Reactor Regulation
ATTN: Mr. William G. McDonald, Director (3 copies)
Office of Management Information and Program Control
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

12791

LICENSEE EVENT REPORT

O.-76-2-23(A)

CONTROL BLOCK: (1–6)

(PLEASE PRINT ALL REQUIRED INFORMATION)

	LICENSEE NAME	LICENSE NUMBER	LICENSE TYPE	EVENT TYPE
01	NYIPS2	00-000-00	4111	01
(7–8)	(9–14)	(15–25)	(26–30)	(31–32)

	CATEGORY	REPORT TYPE	REPORT SOURCE	DOCKET NUMBER	EVENT DATE	REPORT DATE
01 CON'T		T	L	050-0247	120276	121676
(7–8)	(57–58)	(59)	(60)	(61–68)	(69–74)	(75–80)

EVENT DESCRIPTION

02

03

04 SEE ATTACHED SHEET

05

06

	SYSTEM CODE	CAUSE CODE	COMPONENT CODE	PRIME COMPONENT SUPPLIER	COMPONENT MANUFACTURER	VIOLATION
07	SD	B	ZZZZZZ	Z	Z999	N
(7–8)	(9–10)	(11)	(12–17)	(43)	(44–47)	(48)

CAUSE DESCRIPTION

08

09 SEE ATTACHED SHEET

10

	FACILITY STATUS	% POWER	OTHER STATUS	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION
11	G	000	NA	C	Engineering Analysis
(7–8)	(9)	(10–12)	(13–44)	(45)	(46–80)

	FORM OF ACTIVITY RELEASED	CONTENT OF RELEASE	AMOUNT OF ACTIVITY	LOCATION OF RELEASE
12	Z	Z	NA	NA
(7–8)	(9)	(10)	(11–44)	(45–80)

PERSONNEL EXPOSURES

	NUMBER	TYPE	DESCRIPTION
13	000	Z	NA
(7–8)	(9–11)	(12)	(13–80)

PERSONNEL INJURIES

	NUMBER	DESCRIPTION
14	000	NA
(7–8)	(9–11)	(12–80)

PROBABLE CONSEQUENCES

15 NA

LOSS OR DAMAGE TO FACILITY

	TYPE	DESCRIPTION
16	Z	NA
(7–8)	(9)	(10–80)

PUBLICITY

17 NA

ADDITIONAL FACTORS

18 NA

19

NAME: Austin J. Decker II PHONE: 914-739-8823

GPO 881-667

Event Description

During a review of the electrical circuitry associated with the containment ventilation isolation valves, it was discovered that although the valve circuitry meets the single failure criteria for most postulated conditions, the single failure criteria cannot be satisfied for a postulated short circuit or foreign voltage imposition in the control circuitry for these valves. Because all four containment purge isolation valves are controlled from the same electrical circuit, it is possible to provide a direct path to atmosphere under certain electrical fault conditions. The same condition exists with relation to the three containment pressure relief valves. Modification of these circuits was therefore accomplished to provide independent circuitry to one supply and one exhaust valve, and both pressure relief valves outside containment. This modification thus insures compliance with the single failure criteria for the containment ventilation system.

[R.O.-76-2-23(A)]

Cause Description

This event was the result of a condition caused by control circuitry design which provided for only one source of power to all four containment purge isolation valves, and only one source of power to all three containment pressure relief valves.