NRC Form 366
(9-83)

U.S. NUCLEAR REGULATORY COMMISSION
APPROVED OMB NO. 3150-0104
EXPIRES: 8/31/85

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)	DOCKET NUMBER (2)	PAGE (3)
Indian Point, Unit 3	0 5 0 0 0 2 8 6	1 OF 0 2

TITLE (4)

Unit Trip

EVENT DATE (5)			LER NUMBER (6)			REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)	
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAMES	DOCKET NUMBER(S)
0 7	1 2	8 4	8 4	— 0 1 1	— 0 0	0 7	2 5	8 4		0 5 0 0 0
										0 5 0 0 0

OPERATING MODE (9)		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)					
N		20.402(b)		20.405(c)	X	50.73(a)(2)(iv)	73.71(b)
POWER LEVEL (10)		20.405(a)(1)(i)		50.36(c)(1)		50.73(a)(2)(v)	73.71(c)
1 0 0		20.405(a)(1)(ii)		50.36(c)(2)		50.73(a)(2)(vii)	OTHER (Specify in Abstract below and in Text, NRC Form 366A)
		20.405(a)(1)(iii)		50.73(a)(2)(i)		50.73(a)(2)(viii)(A)	
		20.405(a)(1)(iv)		50.73(a)(2)(ii)		50.73(a)(2)(viii)(B)	
		20.405(a)(1)(v)		50.73(a)(2)(iii)		50.73(a)(2)(x)	

LICENSEE CONTACT FOR THIS LER (12)

NAME	TELEPHONE NUMBER
John J. Anderson	AREA CODE 9 1 4 7 3 9 - 8 2 0 0

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS	
X	F K	I N S	G 0 8 0	N							

SUPPLEMENTAL REPORT EXPECTED (14)		EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR
YES (If yes, complete EXPECTED SUBMISSION DATE)	X NO				

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)

On July 12, 1984, a turbine generator trip and subsequent reactor trip were initiated automatically as a result of the failure of an insulator on a 345 KV feeder. Reactor power was 100 percent at the time of the trip. Deposits found on the insulator may have reduced its insulating capacity, allowing the feeder to short to ground. The insulator was replaced and the unit returned to service.

IE22
1/1

NRC Form 366
(9-83)

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	
Indian Point, Unit 3	0 5 0 0 0 2 8 6	8 4	— 0 1 1	— 0 0	0 2 OF 0 2

TEXT (If more space is required, use additional NRC Form 366A's) (17)

At 1517 hours on July 12, 1984, a turbine generator trip and subsequent reactor trip were initiated automatically as a result of the failure of an insulator on a 345 KV feeder. Reactor power was 100 percent at the time of the trip.

Investigation determined that the north horizontal dead end insulator (General Electric No. 94840K) on 345 KV phase B feeder W96 grounded at its structural restraint with the IP-3 turbine building at the turbine building roof. The ground caused a mechanical failure of the insulator which was found broken in various locations. It is believed that deposits which were found on the insulator provided a conducting path across the piece, allowing the ground to occur. The turbine generator trip was initiated by ground fault detection circuitry.

All four dead end insulators associated with B phase feeder W96 at the location of the failure were replaced, and the unit returned to service. To prevent recurrences, a Preventive Maintenance program for the insulators on feeder W96 will be developed and implemented. The unit was synchronized to the bus at 1532 hours on July 13, 1984.

No similar event has been reported in a LER to date. This event is reportable under 10CFR50.73(a)(2)(iv), which become effective January 1, 1984.

Indian Point 3
Nuclear Power Plant
P.O. Box 215
Buchanan, New York 10511
914 739.8200

New York Power Authority

July 25, 1984
IP-FWG-2922

Docket No. 50-286
License No. DPR-64

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

Dear Sir:

The attached Licensee Event Report LER 84-011-00 is hereby submitted in accordance with the requirements of 10CFR50.73. This event is of the type defined in Paragraph 50.73(a)(2)(iv).

Very truly yours,

John C. Brons
Resident Manager

FWG/bam
Attachment

cc: Dr. Thomas Murley
Regional Administrator
Region 1
U. S. Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, Pennsylvania 19406

Mr. Leroy W. Sinclair
New York Power Authority
123 Main Street
White Plains, New York 10601

IP3 Resident Inspectors' Office
J. P. Bayne, WPO
G. M. Wilverding (SRC), WPO

INPO Records Center
Suite 1500
1100 Circle 75 Parkway
Atlanta, Georgia 30339

IE22
1/1