William J. Cahill, Jr.
Vice President

Regulatory File Cy

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. 3
Docket No. 50-286

DEC 28 1976
Mail Section
Docket Clerk

DEC 28 1976
U.S. NUCLEAR REGULATORY COMMISSION
Mail Section

Mr. Paul R. Nelson, Chief
Fuel Facility and Materials
Safety Branch
Region 1
U.S. Nuclear Regulatory Commission
631 Park Avenue
King Of Prussia, Pennsylvania 19406

Dear Mr. Nelson

This report is submitted as additional information concerning an apparent discrepancy between an individual's monthly (October) film badge read and self-reading pocket dosimeter read exposure. As stated in our preliminary report, the individual's film badge read exposure was 3730 mrem. The self reading pocket dosimeters (2) read 80 mrem.

The individual in question entered the Controlled Area four (4) days during the entire month of October, 1976. Each entry was for the purpose of making a power entry into Unit No. 3 vapor containment. There were five (5) separate power entries on those four (4) days. A member of Health Physics supervision was on each entry team. Investigations included detailed discussions with the Health Physics Supervisors, a review of the radiation field survey data obtained by these supervisors during each entry and calculation of the maximum radiation exposure, based on maximum recorded radiation fields and recorded exposure times that the individual could have received. Also, a written statement had been obtained from the individual describing his activities during each entry. No indication of a potential for the higher exposure was revealed in this statement. Both dosimeters were properly worn, immediately adjacent to the film badge.

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PDR ADOCK 05000286
P PDR

Calculation of Exposures

In discussions with Health Physics personnel involved in each of the entries, it was stated that the individual in question was monitored at all times while in containment. In calculating exposures, maximum field readings and exposure times were used for the sake of conservatism. With regard to field readings, the maximum reading obtained for the associated time interval was used even though the radiation field may have been at the maximum for only a small amount of the time shown. The following is a tabulation of calculated maximum radiation exposures:

Entry No.	Maximum Field mR/hr.	Exposure Time Minutes	Calculated Exposure mrem
1	2	47	1.57
2	20	75	25.00
	30	5	2.50
	200	5	16.67
3	2	53	1.77
4	2	35.5	1.18
	50	5	4.17
	100	1	1.67
	7000	0.5	58.33
5	2	124	4.13
	1000	1	16.67
		Total =	133.66 mrem

On the basis of our investigation, it is concluded that although we cannot explain the film-badge recorded exposure which was verified by the processor, the individual did not receive this exposure. This conclusion is based on the calculated maximum exposure total of 133.66 mrem as shown above and on a comparison with the recorded exposures of the entry Health Physics Supervisors (TLD badges and self-reading pocket dosimeters). Because these supervisors received exposures on entries to the Controlled Area other than the power entries, no direct comparison with their film badges is possible. There is, however, no notable discrepancy between dosimeter and film badge values for the entire month for these personnel.

As an additional anomoly incident to this exposure discrepancy a second individual's film-badge read exposure for the month of October showed a major discrepancy from his self-reading pocket dosimeter. This individual's film badge read 1920 mrem while his dosimeter read 40 mrem and he had accompanied the individual discussed above on four of the five power entries described (1, 2, 4, 5). Discussions with this individual confirmed the statement above that there was no indication of a potential for the higher exposure. Our conclusion for this individual is the same as that for the higher exposure discrepancy.

Finally, we would note that 22 power entries were made to Unit No. 3 during 1976 and no discrepancies of this magnitude occurred.

Very truly yours

William J. Cahill, Jr.

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20 DEC 76 1: 50

Regulatory Docket File

Con Edison
Consolidated Edison Company of New York, Inc.
4 Irving Place, New York, N Y 10003

Indian Point Station
15 December 1976
File No. 4-879a

RECEIVED
DEC 27 1976

Mr. Peter A.A. Berle, Commissioner
New York State Department of
Environmental Conservation
Albany, New York 12201

Dear Mr. Berle:

Attached is the data specified in Section 401 Certification, for the month of November, 1976.

Very truly yours,

CONSOLIDATED EDISON COMPANY
of NEW YORK, INC.

Edward F. Kessig

Edward F. Kessig, Acting Manager
Nuclear Power Generation Department
Indian Point Station
Buchanan, New York 10511

ANF/dh

cc/ Mr. Gerald M. Hansler
Mr. Ben C. Rusche
Mr. James P. O'Reilly
Mr. John Blake

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50-247
286

DOCKETED
USNRC
DEC 27 1976
Mail Section
Docket Clerk
DL

13006

CONSOLIDATED EDISION COMPANY OF NEW YORK, INC.

DATA SHEET

No.

DATE November, 1976

LOCATION Indian Point Station

PREPARED BY

SUBJECT

Daily Fish Counts From Intake Screens
Unit Nos. 1 and 2

Date	02	05	07	09	10	13	14	15	17	19	22	24	25	28	30	32	34	75	35	92	93	94	96	Total Number	Total (Wt. lbs)
1		1	1			10			2				10	3	6	3	97	3	662	367	2	10	24	1201	7.14
2		1	2		1	1					89				3		27		197				32	353	2.79
3	1				1	2							2	2	2	1	38	3	222	150	2	2	17	445	3.00
4		1			1	1		1		1			1	2	2		24		413	156			6	607	4.09
5			1			5			1				1		3		37	3	586	234		8	3	882	6.07
6						1								1	3		28	1	224	37		5	1	301	2.43
7		6			1	2	1						2	1	8		28	4	408	203		5		669	5.54
8				1		2							3	1	3		44	3	189	91		4	3	343	3.01
9	1											2		2	4	1	9	4	147	50	1	5	4	231	2.64
10															2		20	4	87	5		1		119	1.30
18													1				8	1	292	4				306	2.72
TOTALS	2	9	4	1	4	24	1	1	3	1	89	2	20	10	36	5	360	26	3427	1297	5	40	90	5457	40.73

NOTE: Collections from Nov. 1-10 are for Unit No. 2. The collection for Nov. 18 is for Unit No. 1

SEE ATTACHED SHEET FOR SPECIES IDENTIFICATION

Regulatory Docket File

Received W/Ltr Dated 12-15-76

2-39 (pad) 6/71 Const.

CONSOLIDATED EDISION COMPANY OF NEW YORK, INC.

DATA SHEET

PREPARED BY _____

SUBJECT _____

_____ No. _____

DATE November, 1976

LOCATION Indian Point

_____ Station _____

Daily Fish Counts From Intake Screens

Unit No. 3

	01	02	03	05	06	07	09	10	11	12	13	14	15	17	22	23	25	28	29	30	32	33	34	36	35	53	60	67	70	75	76	92	93	94	96	99	Total Number	Total Wt. (lbs)
1						3		3	1	1	17	1					1	5		12	5		362		401			1		16		275	19	22	10		1155	16.44
2				1		2		6		2	5						1	10	1	9	3		307		459					65		330	15	19	38		1273	16.20
3				1		3		6			11						6	1		11	24		295		1141					16		847	23	28	30		2443	26.49
4	7					3		4			35						10	13		52	75		698		4654				1	32		2033	67	168	11		7863	76.26
5						4		14			41						8	4		42	63		671		4832					18		2671	45	159	14		8586	75[illegible]
6			6	2		1		9		1	33						3	7		78	19		534		2053					32		1116	26	76	10	1	4007	44[illegible]
7				6		2		13			18	1					4	2		17	18		288		1897	1				32		825	6	28			3158	34.99
8				1				9			10			1			1	6		17	13		346		1296					35		376	3	18			2132	25.73
9				5		2	10	7						1				14		13	222			1	797			1		45		90	1	23	6	1	1239	20.59
10				2		2	1	5			4						3	30		9	8		88		744					2		39		6	5		948	12.05
11					1	1		4	2		9		1				3	2		29	27		205		2829		1			27		94		14	1		3250	39.20
12						3		4		1	5						5	3		14	25		156	1	1297					17		33		10		1	1575	20.56
13	1			2		1		9			3						3	3		19	12		162		1980					24		33			1		2253	27.74
14				2		7							1				2	2		20	13		110	1	1801					28		31			1		2019	22.50
15						3		8			3				1		1	3		14	13		136	1	1850					19		26		1			2079	27.02
16						2		12	1		1					1	1	7		9	17		112		1973					12		28		1			2177	37.37
17	1					2		7	1	1	13						6	3		14	9		178		1927					13		8				5	2188	26.81
18						1		2			5						1	3		16	15		172		4018					13		3				4	4253	35.55
19			1			1		9	3		14						2	6		22	20		238	3	7781					23		5			1	3	8132	75.78
20						1		6	1		21						1	15		16	28		200	2	4528					31		1		1			4852	51.49
21		1		1		3		9			11							5		18	59		228	2	4427			1		23		2			1		4791	56.49
22		1		1		1		6			4		1				3	2		15	28	1	138	2	5050					24		2			1	2	5282	58.07
23						5		8	1		3						1	3		14	30		136	2	2940			3		28		1			2	1	3178	41[illegible]
24						2		12			2							3		5	17		109		2779						26	2				1	2958	32.60
25								8			2						1	6		8	23		113		3221					21		2					3405	39.37
26								8			1						3	1		1	9		78		2061			1		9		2		1	1		2176	21.34
27								4			1						2	1		2	7		53		3117					2		1					3190	26.19
28								7	1		3						9			3	10		78		4942					11							5064	45.91
29								4									1	2		3	41		55		3516					11		1					3654	34.16
30					1	1		9	1								1	3		5	23		40		1439					16		3			2		1544	19.51
	9	2	7	24	2	56	11	212	12	6	275	2	3	2	1	1	83	165	1	507	876	1	628	615	81750	1	1	7	1	645	26	8880	205	575	135	19	100804	1087.44

SEE ATTACHED SHEET FOR SPECIES IDENTIFICATION

2-39 (pad) 6-71 Const.

SPECIES CODE LIST

01 Alewife
02 Bay Anchovy
03 American Shad
04 Bluefish
05 Bluegill
06 Brown Bullhead
07 Pumpkinseed
08 Black Crappie
09 Carp
10 American Eel
11 Goldfish
12 Golden Shiner
13 Hogchocker
14 Tessellated Darter
15 Banded Killifish
16 Emerald Shiner (Notropis anthernoides)
17 Largemouth Bass
18 Mummichog
19 Atlantic Menhaden
20 Minnow Unidentified
21 Chain Pickerel
22 Blueback Herring
23 White Sucker
24 Atlantic Silverside
25 Rainbow Smelt
26 Smallmouth Bass
27 Shortnose Sturgeon
28 Spottail Shiner (Notropis hudsonius)
29 Atlantic Sturgeon
30 Striped Bass
31 Fourspine Stickleback
32 Atlantic tomcod
33 Unidentified at time of capture
34 White Catfish
35 White Perch
36 Yellow Perch
37 Satinfin Shiner (Notropis analostanus)
38 Rock Bass
39 Northern Pipefish
40 Redbreast Sunfish
41 Atlantic Needlefish (Silver Gar)
42 Crevalle Jack
43 Silvery Minnow
44 Fallfish
45 Weakfish
46 Comely Shiner (N. amoenus)
47 Common Shiner (N. cornutus)
48 Mimic Shiner (N. volcellus)
49 Lookdown
50 Clupeid Unidentified
51 Clupeid Larvae
52 Morone Larvae
53 Grass Pickerel
54 Sea Horse
55 Logperch
56 Trout Perch
57 Northern Hogsucker
58 Fathead Minnow
59 Cyprinid, Unidentified
60 Morone (Unidentified)
61 Redfin Pickerel
62 Tautog
63 Four Bearded Rockling
64 Striped Cuskeel
65 Centrarchidae Larvae
66 Ring Fish
67 Spot
68 Moonfish
69 Brook Stickleback
70 Sturgeon Unidentified
71 Northern Porgy
72 Winter Flounder
73 Tidewater Silverside
74 Sea Lamprey
75 Gizzard Shad
76 Silver Hake
77 Striped Mullet
78 Threespine Stickleback
79 Brown Trout
80 Butterfish
81 White Crappie
82 Brook Trout
83 Northern Pike
84 Green Sunfish
85 Silver Perch
86 Northern Puffer
87 Blacknose Dace
88 Bridle Shiner (N. bifrenatus)
89 Cyprinidae I
90 Cutlips Minnow
91 Yearling Striped Bass
92 Yearling Blueback Herring
93 Yearling American Shad
94 Yearling Alewife
95 Yearling White Perch
96 Centrarchid Unidentified
97 Spotfin Shiner
98 Squirrel Hake, Red Hake (U. chuss)
99 Others

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.

DATA SHEET

NO.

DATE November, 1976

LOCATION Indian Point

PREPARED BY

SUBJECT

CHEMICAL DISCHARGES

Date	ppm Boron	ppm LiOH	Date	ppm Boron	ppm LiOH
1	.01	$< 1x10^{-4}$	16	.01	$< 1x10^{-4}$
2	.01		17	.01	
3	.01		18	.01	
4	.01		19	.01	
5	.01		20	.01	
6	.01		21	.01	
7	.01		22	.02	
8	.01		23	.01	
9	.01		24	.01	
10	.01		25	.01	
11	.01		26	.01	
12	.01		27	.02	
13	.01		28	.01	
14	.01		29	.01	
15	.01		30	.01	

NOTES: (1) The Boron and LiOH concentrations were calculated by the following formula:

$$\text{Diluted ppm} = \frac{(\text{ppm of tank})\ (\text{gpm, Disch, Rate})}{100{,}000\ \text{gpm}^*}$$

* In many cases the recirculation water flow was much greater, than the 100,000 gpm used in the calculation.

Indian Point Station

CHEMICAL DISCHARGES

November , 19 76

		Nov. 3		Nov. 10		Nov. 17		Nov. 24			
		IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
pH		7.8	7.7	7.4	7.7	7.9	7.9	7.6	7.7		
Chromium mg/l		<.003	<.003	<.003	<.003	.004	<.003	<.003	<.003		
Boron mg/l (1)		<.01	<.01	<.01	<.01	.10	.10	<.01	<.01		
Phosphate mg/l (4)		<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1		
Hydrazine mg/l		<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005		
Cyclohexylamine mg/l (2)											
Lithium Hydroxide (1)											
Chlorine mg/l (3)											
Tot. Susp. Solids mg/l		<20	22	24	24	25	21	<20	<20		
Dissolved Oxygen mg/l		8.9	8.5	12.4	10.6	12.8	12.0	10.4	9.4		

NOTES:

(1) The Boron and LiOH calculated valves are attached

(2) Cyclohexylamine is no longer used at Indian Point

(3) No chlorinations were performed during the month of November.

(4) Phosphate treatment of the House Service Boilers was resumed in November

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.

DATA SHEET

NO.

DATE November, 1976

LOCATION Indian Point

PREPARED BY

SUBJECT

Site Thermal Discharges

Date	Inlet MIN.	Inlet MAX.	Inlet AVG.	Outlet MIN.	Outlet MAX.	Outlet AVG.
1	49.2	52.0	50.6	61.5	65.8	63.0
2	48.5	49.9	49.2	59.5	65.0	61.3
3	46.8	47.3	47.0	59.5	62.5	60.8
4	46.5	47.4	47.1	60.5	62.9	61.4
5	46.2	47.2	46.8	59.0	61.0	59.8
6	45.0	47.1	46.2	57.7	60.0	58.9
7	45.0	46.0	45.6	57.5	60.0	58.5
8	43.8	46.0	45.0	53.2	60.0	57.5
9	43.4	45.0	44.1	56.8	61.4	58.4
10	43.0	46.9	44.1	58.0	68.7	64.5
11	43.0	45.1	43.7	65.8	67.8	66.9
12	42.6	44.2	43.4	65.5	67.2	66.5
13	42.0	44.7	43.2	61.0	67.2	65.9
14	42.0	43.9	43.0	61.0	65.0	63.7
15	42.2	43.9	43.0	62.8	64.7	63.8
16	42.0	44.0	43.2	63.0	70.5	66.5
17	42.0	44.1	43.5	42.4	65.0	58.8
18	42.9	43.8	43.0	43.0	65.8	52.4
19	42.8	43.7	43.2	65.5	69.0	67.1
20	42.5	43.5	43.0	66.7	69.7	68.0
21	42.2	43.2	42.7	66.8	69.0	68.0
22	41.5	43.0	42.0	66.8	69.2	68.1
23	41.2	42.0	41.7	67.5	70.0	68.7
24	39.9	42.3	40.9	67.5	70.1	68.6
25	40.0	42.1	41.0	68.0	70.0	69.0
26	40.0	42.7	41.2	68.0	70.1	69.1
27	40.6	42.2	41.5	64.0	70.2	69.0
28	40.9	42.2	41.6	59.0	70.2	69.0
29	41.0	44.2	42.0	62.0	69.7	68.1
30	40.0	42.0	40.7	62.0	70.0	67.7

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.

DATA SHEET

NO.

DATE November, 1976

LOCATION Indian Point Station

PREPARED BY

SUBJECT

Unit No. 3 Electrical Output

Date	Kilowatts Minimum *		Kilowatts Maximum *		Average **		Gross Kilowatt Hrs.		
1	910	000	910	000	910	000	21	840	000
2	910	000	910	000	910	000	21	840	000
3	900	000	1020	000	971	250	23	310	000
4	910	000	1020	000	992	083	23	810	000
5	910	000	910	000	910	000	21	840	000
6	910	000	910	000	910	000	21	840	000
7	910	000	910	000	910	000	21	840	000
8	640	000	910	000	880	833	21	140	000
9	910	000	910	000	897	500	21	540	000
10	910	000	910	000	907	083	21	770	000
11	910	000	910	000	909	583	21	830	000
12	910	000	910	000	911	666	21	880	000
13	700	000	910	000	881	250	21	150	000
14	710	000	800	000	799	583	19	190	000
15	800	000	800	000	802	916	19	270	000
16	600	000	900	000	806	666	19	360	000
17		0	890	000	692	500	16	670	000
18		0	900	000	374	583	8	990	000
19	900	000	910	000	910	000	21	840	000
20	910	000	910	000	916	250	21	990	000
21	910	000	910	000	917	083	22	010	000
22	910	000	910	000	913	330	21	920	000
23	910	000	910	000	914	167	21	940	000
24	910	000	910	000	912	500	21	900	000
25	910	000	910	000	917	083	22	010	000
26	910	000	910	000	917	500	22	020	000
27	630	000	910	000	888	750	21	330	000
28	910	000	910	000	914	417	21	990	000
29	690	000	810	000	811	667	19	480	000
30	790	000	910	000	866	250	20	790	000

* Operating Gauge Reading

** More Accurate Watthour Meter Reading

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.

DATA SHEET

NO.

DATE November, 1976

LOCATION Indian Point Sta.

PREPARED BY

SUBJECT

Unit I River Water Discharge

By Circulator

DATE	CIRCULATOR 11 ON	CIRCULATOR 11 OFF	CIRCULATOR 11 HRS	CIRCULATOR 11 % FLOW	CIRCULATOR 12 ON	CIRCULATOR 12 OFF	CIRCULATOR 12 HRS	CIRCULATOR 12 % FLOW	AVG. TOTAL UNIT DISCH., GPM X 10^3
1			0	0			0	0	19.0
2			0	0			0	0	19.0
3			0	0			0	0	19.0
4			0	0			0	0	19.0
5			0	0			0	0	19.0
6			0	0			0	0	19.0
7			0	0			0	0	19.0
8			0	0			0	0	19.0
9			0	0			0	0	19.0
10			0	0			0	0	19.0
11			0	0			0	0	19.0
12			0	0			0	0	19.0
13			0	0			0	0	19.0
14			0	0			0	0	19.0
15			0	0			0	0	19.0
16			0	0			0	0	19.0
17			0	0	2240		120	80	25.8
18			0	0			24	80	131.5
19			0	0		2145	2145	80	121.4
20			0	0			0	0	19.0
21			0	0			0	0	19.0
22			0	0			0	0	19.0
23			0	0			0	0	19.0
24			0	0			0	0	19.0
25			0	0			0	0	19.0
26			0	0			0	0	19.0
27			0	0			0	0	19.0
28			0	0			0	0	19.0
29			0	0			0	0	19.0
30			0	0			0	0	19.0

2-2 (PAD) 1-71 CONST.

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.

DATA SHEET

NO.

DATE November, 1976

LOCATION Indian Point Sta.

PREPARED BY

SUBJECT

River Water Discharges By Circulator
Unit No. 2

	#21			#22			#23			#24			#25			#26			AVG. TOTAL UNIT DISCH., GPM x 10^3
DATE	ON	OFF	HRS	ON	OFF	HRS	ON	OFF	HRS	ON	OFF	HRS	ON	OFF	HRS	ON	OFF	HRS	
1			0			24			0			24			0			0	300.0
2			0			24			0			24			0			0	300.0
3			0			24			0			24			0			0	300.0
4			0			24			0			24			0			0	300.0
5			0			24			0			24			0			0	300.0
6			0			24			0			24			0			0	300.0
7			0			24			0			24			0			0	300.0
8			0			24			0			24			0			0	300.0
9			0			24			0			24			0			0	300.0
10			0		0^{705}	7^{05}			0		0^{705}	7^{05}			0			0	104.0
11			0			0			0			0			0			0	20.0
12			0			0			0			0			0			0	20.0
13			0			0			0			0			0			0	20.0
14			0			0			0			0			0			0	20.0
15			0			0			0			0			0			0	20.0
16			0			0			0			0			0			0	20.0
17			0			0			0			0			0			0	20.0
18			0			0			0			0			0			0	20.0
19			0			0			0			0			0			0	20.0
20			0			0			0			0			0			0	20.0
21			0			0			0			0			0			0	20.0
22			0			0			0			0			0			0	20.0
23			0			0			0			0			0			0	20.0
24			0			0			0			0			0			0	20.0
25			0			0			0			0			0			0	20.0
26			0			0			0			0			0			0	20.0
27			0			0			0			0			0			0	20.0
28	$1735/1840$	$1835/1935$	1^{55}	1835	19^{35}	1^{00}	20^{38}	21^{25}	0^{47}			0	22^{10}	22^{45}	0^{35}	22^{40}	$0045/0215$	1^{20}	39.3
29			0			0			0			0			0	0^{155}		1^{05}	24.2
30			0			0			0			0			0	0^{115}	0255	1^{40}	25.1

NOTE: STARTING ON NOV. 28, OPERATING CIRCULATORS AT 60% FLOW.

2-39 (pad) 6-71 Const.

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.

DATA SHEET

PREPARED BY

SUBJECT

No.

DATE November, 1976

LOCATION Indian Point Station

River Water Discharge By Circulator
Unit No. 3

	#31			#32			#33			#34			#35			#36			
DATE	ON	OFF	HRS	ON	OFF	HRS	ON	OFF	HRS	ON	OFF	HRS	ON	OFF	HRS	ON	OFF	HRS	AVG. TOTAL UNIT DISCH., GPM x10^3
1			24	18^16	19^03	0^47			24			24			24			24	607.2
2			24	11^45		12^15			24			24			24			24	674.4
3			24			24			24			24			24			24	743.0
4			24			24			24			24			24			24	743.0
5			24			24			24			24			24			24	743.0
6			24			24			24			24			24			24	743.0
7			24			24			24			24			24			24	743.0
8			24			24			24			24			24			24	743.0
9			24			24		05^03	5^03			24			24			24	611.0
10			24			24			0			24			24			24	603.0
11			24			24			0			24			24			24	603.0
12			24			24			0			24			24			24	603.0
13			24			24			0			24			24			24	603.0
14			24			24			0			24			24			24	603.0
15			24			24			0			24			24			24	603.0
16			24			24			0			24			24		10^50	10^50	526.0
17			24			24			0			24			24			0	463.0
18			24			24			0			24			24	21^16		2^44	472.0
19			24			24			0			24			24			24	547.0
20			24			24			0			24			24			24	547.0
21			24			24			0			24			24			24	547.0
22			24			24			0			24			24			24	547.0
23			24			24			0			24			24			24	547.0
24			24			24			0			24			24			24	547.0
25			24			24			0			24			24			24	547.0
26			24			24			0			24			24			24	547.0
27			24			24			0			24			24			24	547.1
28			24			24			0			24			24			24	547.0
29			24			24			0			24			24			24	547.0
30			24			24			0			24			24			24	547.0

NOTE: CIRCULATORS 31,32,33 OPERATING AT 100% FLOW; CIRCULATORS 34 & 35 AT 60% FLOW.
CIRCULATOR 36 AT 100% UNTIL NOVEMBER 18, AFTER THAT 60% FLOW.

2-39 (pad) 6/71 Const.

Carl L. Newman
Vice President

Regulatory File Copy

Consolidated Edison Company of New York, Inc.
4 Irving Place, New York, N.Y. 10003
Telephone (212) 460-5133

DEC 16 1976
Docket Clerk

RECEIVED
DEC 17 1976
U.S. NUCLEAR REGULATORY COMMISSION
Mail Section

December 14, 1976

Indian Point Unit Nos. 1,2&3
NRC Docket No. 50-3, 50-247,
& 50-286

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

Dear Mr. O'Reilly

Pursuant to Appendix B of Unit Nos. 1,2&3 Technical Specifications with respect to the operation of our Unit Nos. 1,2&3, a tabulation of daily record of fish collections at Indian Point Unit Nos. 1,2&3 for the month of November is enclosed herewith. A daily species breakdown and total daily weights are also enclosed.

Very truly yours

Carl L. Newman

enc.

cc: Mr. Ben C. Rusche
James P. Corcoran, Esq.
Sarah Chasis, Esq.
Michael Curley, Esq.
Nicholas A. Robinson, Esq.
Mr. George T. Berry

12793

CONSOLIDATED EDISION COMPANY OF NEW YORK, INC.

DATA SHEET

PREPARED BY _____

SUBJECT _____

_____ No. _____

DATE November, 1976

LOCATION Indian Point Station

Daily Fish Counts From Intake Screens
Unit Nos. 1 and 2

Date	02 05	07 09	10 13	14 15	17 19	22 24	25 28	30 32	34 75	35	92 93	94 96		Total Number		Total (Wt. lbs)
1	1	1	10		2		10 3	6 3	97 3	662	367 2	10 24		1201		7.14
2	1	2	1 1			89		3	27	197		32		353		2.79
3	1		1 2				2 2	2 1	38 3	222	150 2	2 17		445		3.00
4	1		1 1	1	1		1 2	2	24	413	156	6		607		4.09
5		1	5		1		1	3	37 3	586	234	8 3		882		6.07
6			1				1	3	28 1	224	37	5 1		301		2.43
7	6		1 2	1			2 1	8	28 4	408	203	5		669		5.54
8		1	2				3 1	3	44 3	189	91	4 3		343		3.01
9	1					2	2	4 1	9 4	147	50 1	5 4		231		2.64
10								2	20 4	87	5	1		119		1.30
18							1		8 1	292	4			306		2.72
TOTALS	2 9	4 1	4 24	1 1	3 1	89 2	20 10	36 5	360 26	3427	1297 5	40 90		5457		40.73

NOTE: Collections from Nov. 1-10 are for Unit No. 2. The collection for Nov. 18 is for Unit No. 1
For the remainder of the month, the circulators at both Units were shutdown.

SEE ATTACHED SHEET FOR SPECIES IDENTIFICATION

2-35 (pad) 6 71 Const.

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.

DATA SHEET

PREPARED BY _____

SUBJECT _____

NO. _____

DATE November, 1976

LOCATION Indian Point

Station _____

Daily Fish Counts From Intake Screens

Unit No. 3

	01	02	03	05	06	07	09	10	11	12	13	14	15	17	22	23	25	28	29	30	32	33	34	36	35	53	60	67	70	75	76	92	93	94	96	99	Total Number	Total Wt. (lbs)
1						3		3	1	1	17	1					1	5		12	5		362		401			1		16		275	19	22	10		1155	16.44
2				1		2		6		2	5						1	10	1	9	3		307		459					65		330	15	19	38		1273	16.20
3				1		3		6			11						6	1		11	24		295		1141					16		847	23	28	30		2443	26.49
4	7					3		4			35						10	13		52	75		698		4654				1	32		2033	67	168	11		7863	76.26
5						4		14			41						8	4		42	63		671		4832					18		2671	45	159	14		8586	75.59
6			6	2		1		9		1	33						3	7		78	19		534		2053					32		1116	26	76	10	1	4007	44.81
7				6		2		13			18	1					4	2		17	18		288		1897	1				32		825	6	28			3158	34.99
8				1				9			10			1			1	6		17	13		346		1296					35		376	3	18			2132	25.73
9				5		2	10	7						1				14		13	222			1	797			1		45		90	1	23	6	1	1239	20.59
10				2		2	1	5			4						3	30		9	8		88		744					2		39		6	5		948	12.05
11					1	1		4	2		9		1				3	2		29	27		205		2829		1			27		94		14	1		3250	39.20
12						3		4		1	5						5	3		14	25		156	1	1297					17		33		10		1	1575	20.56
13	1			2		1		9			3						3	3		19	12		162		1980					24		33			1		2253	27.74
14				2		7							1				2	2		20	13		110	1	1801					28		31			1		2019	22.50
15						3		8			3				1		1	3		14	13		136	1	1850					19		26		1			2079	27.02
16						2		12	1		1					1	1	7		9	17		112		1973					12		28		1			2177	37.37
17	1					2		7	1	1	13						6	3		14	9		178		1927					13		8				5	2188	26.81
18						1		2			5						1	3		16	15		172		4018					13		3				4	4253	35.55
19			1			1		9	3		14						2	6		22	20		238	3	7781					23		5			1	3	8132	75.78
20						1		6	1		21						1	15		16	28		200	2	4528					31		1		1			4852	51.49
21		1		1		3		9			11							5		18	59		228	2	4427			1		23		2			1		4791	56.49
22		1		1		1		6			4		1				3	2		15	28	1	138	2	5050					24		2			1	2	5282	58.07
23						5		8	1		3						1	3		14	30		136	2	2940			3		28		1			2	1	3178	41.23
24						2		12			2							3		5	17		109		2779						26	2				1	2958	32.00
25								8			2						1	6		8	23		113		3221					21		2					3405	39.37
26								8			1						3	1		1	9		78		2061			1		9		2		1	1		2176	21.34
27								4			1						2	1		2	7		53		3117					2		1					3190	26.19
28								7	1		3						9			3	10		78		4942					11							5064	45.91
29								4									1	2		3	41		55		3516					11		1					3634	34.16
30					1	1		9	1								1	3		5	23		40		1439					16		3			2		1544	19.51
	9	2	7	24	2	56	11	212	12	6	275	2	3	2	1	1	83	165	1	507	876	1	628	615	81750	1	1	7	1	645	26	8880	205	575	135	19	100804	1087.44

SEE ATTACHED SHEET FOR SPECIES IDENTIFICATION

2-55 (pad) 6 71 Const.

SPECIES CODE LIST

01 Alewife
02 Bay Anchovy
03 American Shad
04 Bluefish
05 Bluegill
06 Brown Bullhead
07 Pumpkinseed
08 Black Crappie
09 Carp
10 American Eel
11 Goldfish
12 Golden Shiner
13 Hogchocker
14 Tessellated Darter
15 Banded Killifish
16 Emerald Shiner (*Notropis anthernoides*)
17 Largemouth Bass
18 Mummichog
19 Atlantic Menhaden
20 Minnow Unidentified
21 Chain Pickerel
22 Blueback Herring
23 White Sucker
24 Atlantic Silverside
25 Rainbow Smelt
26 Smallmouth Bass
27 Shortnose Sturgeon
28 Spottail Shiner (*Notropis hudsonius*)
29 Atlantic Sturgeon
30 Striped Bass
31 Fourspine Stickleback
32 Atlantic tomcod
33 Unidentified at time of capture
34 White Catfish
35 White Perch
36 Yellow Perch
37 Satinfin Shiner (*Notropis analostanus*)
38 Rock Bass
39 Northern Pipefish
40 Redbreast Sunfish
41 Atlantic Needlefish (Silver Gar)
42 Crevalle Jack
43 Silvery Minnow
44 Fallfish
45 Weakfish
46 Comely Shiner (N. amoenus)
47 Common Shiner (N. cornutus)
48 Mimic Shiner (N. volcellus)
49 Lookdown
50 Clupeid Unidentified
51 Clupeid Larvae
52 Morone Larvae
53 Grass Pickerel
54 Sea Horse
55 Logperch
56 Trout Perch
57 Northern Hogsucker
58 Fathead Minnow
59 Cyprinid, Unidentified
60 Morone (Unidentified)
61 Redfin Pickerel
62 Tautog
63 Four Bearded Rockling
64 Striped Cuskeel
65 Centrarchidae Larvae
66 King Fish
67 Spot
68 Moonfish
69 Brook Stickleback
70 Sturgeon Unidentified
71 Northern Porgy
72 Winter Flounder
73 Tidewater Silverside
74 Sea Lamprey
75 Gizzard Shad
76 Silver Hake
77 Striped Mullet
78 Threespine Stickleback
79 Brown Trout
80 Butterfish
81 White Crappie
82 Brook Trout
83 Northern Pike
84 Green Sunfish
85 Silver Perch
86 Northern Puffer
87 Blacknose Dace
88 Bridle Shiner (N. bifrenatus)
89 Cyprinidae I
90 Cutlips Minnow
91 Yearling Striped Bass
92 Yearling Blueback Herring
93 Yearling American Shad
94 Yearling Alewife
95 Yearling White Perch
96 Centrarchid Unidentified
97 Spotfin Shiner
98 Squirrel Hake, Red Hake (U. chuss
99 Others