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 PDR

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.

DATA SHEET

No. \_\_\_\_\_  
 DATE May, 1976  
 LOCATION Indian Point  
 Station \_\_\_\_\_

PREPARED BY \_\_\_\_\_

SUBJECT

Daily Fish Counts From Intake Screens  
 Unit No. 3

Date	01	02	03	05	06	07	08	10	11	12	13	14	15	18	22	23	25	28	30	32	33	34	35	36	40	75	81	92	94	96	93	31	Total Number	Total Wt (lbs)		
1	5	1		1	8						31	43			1		10	11	2	1		34			1								581	13.97		
2	2	5		1	7	1	9				12	19		1	1		7	40	5			45		4				18	1				730	12.31		
3					COLLECTION					SCREEN					UNDER					REPAIR					NO					COUNTS						
4	3				1		3						1	15				9		1		19											304	5.53		
5	1	1			2		2				32	8			12		1	5	1			11										1	278	6.73		
6		2		1	5		3				62	32	3	3	20		3	11				25		1									389	9.40		
7	33										53	17	1	1	1		3	4	2			24											477	8.57		
8					COLLECTION					SCREEN					UNDER					REPAIR					NO					COUNTS						
9	9				9		5		1	1	45	10	1		13		4	5	5			40		2	1								301	13.54		
10	11	2			3		4				76	11	1		19		5	3		1		33								2			305	12.54		
11	7				3		2				23	3			11		3	2				14											148	7.27		
12	39	1		2	2	9	12				182	33	2		84		6	28	16	18		70		2		1			5			1203	34.96			
13	25			1	1	4	1				79	19			87		6	10	3	26		41		1					3			606	18.57			
14	13	2			8		4				70	11	1		80		7	13	12	15		37		2	1				3			833	19.88			
15	9			1	4		4				61	12	2		66		2	6	12	22		38		1	1							463	12.53			
16	9						3				10	4			12		2	2	5	10		8		2								143	7.68			
17	8				5		3		1		23	3			12		2	2	5	3	1	21		1						2		155	8.51			
18	8	1		2	6		4				17	5			5		1			8		20										158	9.80			
19											2				1				1	1		1										7	0.15			
20	8				2						3	1					2		1	1		1										37	4.48			
21	1				2		1				1		1	1								1										11	1.17			
22							1	1			1									1		3										13	0.50			
23	5	1			2		1				4		2	1	4	2			3	2		5										60	7.16			
24	7	1			1				1		2	2			2	1		4		2		3										61	2.94			
25		1			1		2				6	2			3	1			1	13		3										72	2.48			
26	11	4		1	2	2	6				11	5		2	1			6	2	8		9						6	6			181	11.13			
27	2	4		2	5		2				9				5	1			2	3	19	10						12	6		1	147	8.30			
28	7	2			3		1		1		7	2	1		4		3	2	5	42		4						36	4			259	10.34			
29	11	13			4	1	3				46	5		1	59	1		3	4	5	123	7				1						464	19.31			
30	15	21		1	7		9				72	3			103		12	6	4	556		4								1	1	1059	19.98			
31	5	7		1	1		2				9				7		3			42		1										110	7.44			
Totals	254	69		3	11		5	104	3	87	1	4	949	250	15	11	628	6	83	180	92	913	1	532	5204	17	5	2	3	84	18	19	1	1	9555	297.17

SEE ATTACHED SHEET FOR SPECIES IDENTIFICATION

SPECIES CODE LIST

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

PREPARED BY \_\_\_\_\_

SUBJECT \_\_\_\_\_

Unit No. 3 Electrical Output

Date	Kilowatts			Gross		
	Minimum *	Maximum **	Avg. **	Kilowatt Hrs.		
1	0	0	0			
2	0	215	111	2	670	000
3	180	200	206	4	960	000
4	200	240	220	5	300	000
5	0	240	181	4	350	000
6	0	250	172	4	150	000
7	210	255	247	5	940	000
8	150	250	247	5	930	000
9	140	300	245	5	890	000
10	300	375	358	8	610	000
11	370	390	382	9	170	000
12	350	400	383	9	210	000
13	0	400	274	6	590	000
14	375	400	393	9	440	000
15	0	400	152	3	660	000
16	0	0	0		0	
17	0	0	0		0	
18	0	0	0		0	
19	0	0	0		0	
20	0	0	0		0	
21	0	0	0		0	
22	0	0	0		0	
23	0	385	79	1	900	000
24	0	410	342	8	220	000
25	420	715	572	13	730	000
26	600	720	687	16	490	000
27	610	720	689	16	550	000
28	690	715	686	16	480	000
29	450	720	679	16	300	000
30	0	720	234	5	620	000
31	0	0	0		0	

\* Operating Gauge Reading  
 \*\* More Accurate Watthour - Meter Reading

## CHEMICAL DISCHARGES

May \_\_\_\_\_, 19 76

		May 5		May 12		May 19		May 26		IN	OUT
		IN	OUT	IN	OUT	IN	OUT	IN	OUT		
PH		7.6	7.6	7.7	7.8	7.7	7.7	7.7	7.7		
Chromium $\mu\text{g/l}$		< .003	< .003	< .003	< .003	< .003	< .003	< .003	< .003		
Boron $\text{mg/l}$	(1)	< .01	< .01	.08	.10	.01	.01	< .01	.08		
Phosphate $\text{mg/l}$	(4)	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1		
Hydrazine $\text{mg/l}$		< .005	< .005	< .005	< .005	< .005	< .005	< .005	< .005		
Cyclohexylamine $\text{mg/l}$	(2)										
Sulfuric Acid (L)											
Chlorine $\text{mg/l}$	(3)										
Tot. Susp. Solids $\text{mg/l}$		< 20	< 20	26	32	37	39	37	38		
Dissolved Oxygen $\text{mg/l}$		11.2	10.8	11.8	11.1	9.6	9.7	8.6	7.3		

## NOTES:

(1) The Boron and LiOH calculated Values are attached.

(2) Cyclohexylamine is no longer used at Indian Point.

(3) No chlorination performed during the month of May

(4) Phosphate treatment of the House Service Boilers has been suspended in lieu of chelant treatment. The chelant is being used on an experimental basis.

PREPARED BY \_\_\_\_\_

SUBJECT \_\_\_\_\_

Chemical Discharges

Date	ppm B	ppm LiOH	Date	ppm B	ppm LiOH
1	< .01	< 1x10 <sup>-4</sup>	16	.02	< 1x10 <sup>-4</sup>
2	< .01	↓	17	.02	↓
3	< .01	↓	18	.01	↓
4	< .01	↓	19	< .01	↓
5	(2)	(2)	20	< .01	↓
6	(2)	(2)	21	.01	↓
7	(2)	(2)	22	.02	↓
8	(2)	(2)	23	.01	↓
9	(2)	(2)	24	.02	↓
10	(2)	(2)	25	.02	↓
11	< .01	1x10 <sup>-4</sup>	26	.01	↓
12	.01	↓	27	.01	↓
13	.02	↓	28	.01	↓
14	.02	↓	29	.03	↓
15	.02	↓	30	.02	↓
			31	.01	↓

Notes (1) The boron and LiOH were calculated by the following formula. The dilution flow used was 100,000 gpm, in many cases the actual circulation flow was much greater.

$$\text{ppm} = \frac{(\text{ppm of tank}) (\text{Discharge Rate gpm})}{100,000 \text{ gpm}}$$

(2) No Discharges

PREPARED BY \_\_\_\_\_

SUBJECT \_\_\_\_\_

Site Thermal Discharges

Date	Inlet			Outlet		
	MIN.	MAX.	AVG.	MIN.	MAX.	AVG.
1	51.4	51.5	51.5	51.4	51.5	51.5
2	51.5	53.5	52.4	51.4	67.0	59.5
3	53.2	56.0	54.2	64.0	66.8	65.1
4	54.2	56.0	55.2	64.0	65.2	64.4
5	55.2	56.2	55.7	56.2	65.0	63.8
6	56.0	56.5	56.2	56.2	65.2	62.0
7	56.1	56.5	56.4	64.8	65.8	65.1
8	56.0	56.6	56.3	63.8	65.2	64.8
9	55.5	56.5	56.0	62.8	65.4	63.9
10	55.8	57.0	56.4	65.4	68.0	66.8
11	56.2	58.0	57.0	67.5	69.0	68.1
12	56.5	58.7	57.4	68.0	70.0	69.0
13	56.3	57.2	56.9	57.0	69.0	65.3
14	57.0	57.6	57.2	68.0	69.1	68.7
15	57.5	58.6	57.8	57.0	69.0	62.0
16	57.6	57.6	57.6	58.0	58.7	58.1
17	57.7	57.7	57.7	57.8	58.5	58.0
18	57.7	58.0	57.8	57.8	58.2	58.0
19	57.5	58.3	58.0	58.0	58.8	58.4
20	58.1	58.3	58.2	58.0	58.9	58.5
21	58.0	58.2	58.1	58.8	58.9	58.8
22	57.8	58.2	58.0	58.5	59.0	58.8
23	57.9	59.2	58.5	58.6	75.0	62.0
24	58.3	60.0	59.1	59.0	72.3	70.1
25	59.0	59.4	59.1	71.6	77.7	74.7
26	60.0	61.4	61.0	69.5	71.2	70.8
27	60.5	62.0	61.2	77.0	78.2	77.5
28	60.8	61.5	61.4	73.8	77.4	76.3
29	61.2	61.2	61.2	71.8	74.9	74.2
30	60.4	60.8	60.7	60.4	75.2	65.1
31	60.0	60.3	60.3	60.1	64.9	61.0

DATA SHEET

PREPARED BY \_\_\_\_\_

SUBJECT \_\_\_\_\_

NO. \_\_\_\_\_  
 DATE May, 1976  
 LOCATION Indian Point  
 Station \_\_\_\_\_

River Water Discharges By Circulator\*  
 Unit No. 3

DATE	#31			#32			#33			#34			#35			#36			AVG. TOTAL UNIT DISCHARGE, GPM x 10 <sup>3</sup>
	ON	OFF	HRS	ON	OFF	HRS	ON	OFF	HRS	ON	OFF	HRS	ON	OFF	HRS	ON	OFF	HRS	
1			24			0			24			0			0			24	440.0
2			↓			↓			↓			0			↓			↓	440.0
3			↓			↓			↓			0			↓			↓	496.0
4			↓			↓			↓			9 <sup>30</sup>			↓			↓	620.0
5			↓			↓			↓			24			↓			↓	620.0
6			↓			↓			↓			↓			↓			↓	620.0
7			↓			↓			↓			↓			↓			↓	620.0
8			↓			↓			↓			↓			↓			↓	620.0
9			↓			↓			↓			↓			↓			↓	620.0
10			↓			↓			↓			↓			↓			↓	620.0
11			↓			↓			↓			↓			↓			↓	620.0
12			↓			↓			↓			↓			↓			↓	620.0
13			↓			↓			↓			↓			↓			↓	620.0
14			↓			↓			↓			↓			↓			↓	620.0
15			↓			↓			↓			↓			↓			↓	620.0
16			↓			↓			↓			↓			↓			↓	621.4
17		16 <sup>55</sup>	↓			↓			↓			↓			↓			↓	620.0
18			16 <sup>55</sup>			↓			↓			11 <sup>00</sup>			11 <sup>00</sup>		16 <sup>55</sup>	16 <sup>55</sup>	401.5
19			0			↓			↓			0			0			0	161.5
20	5 <sup>06</sup>	19 <sup>35</sup>	14 <sup>29</sup>			↓			↓			↓			↓		5 <sup>06</sup>	19 <sup>35</sup>	160.0
21			0			↓			↓			↓			↓				328.0
22	12 <sup>15</sup>		11 <sup>45</sup>			↓			↓			↓			↓				160.0
23			24			↓			↓			21 <sup>40</sup>			2 <sup>20</sup>		12 <sup>15</sup>	11 <sup>45</sup>	297.2
24			↓			↓			↓			↓			↓			↓	454.0
25			↓			↓			↓			↓			↓			↓	580.0
26			↓			↓			↓			↓			↓			↓	580.0
27			↓			↓			↓			↓			↓			↓	580.0
28			↓			↓			↓			↓			↓			↓	580.0
29			↓			↓			↓			↓			↓			↓	580.0
30	21 <sup>58</sup>	14 <sup>25</sup>	16 <sup>27</sup>			↓			↓			9 <sup>12</sup>			9 <sup>12</sup>				580.0
31			24			↓			↓			0			↓			↓	449.5
																			440.0

\* ALL OPERATING CIRCULATORS AT 100% FLOW.