

DATA SHEET

NO. _____
 DATE April, 1976
 LOCATION Indian Point
Station

PREPARED BY _____

SUBJECT _____

Daily Fish Counts From
 Intake Screens-Unit No. 2

Date	10	14	28	30	34	35	Total Number	Total Wt (lbs)
20	1	1	1	1		10	14	0.53
21		3			1	15	19	0.19
22		1				18	19	0.09
Total	1	5	1	1	1	43	52	0.81

SEE ATTACHED SHEET FOR SPECIES IDENTIFICATION

811190946 760514
 PDR ADOCK 05000286
 R PDR

DATA SHEET

NO. _____
 DATE April, 1976
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Daily Fish Counts From Intake Screens
 Unit No. 3

DATE	01	02	05	06	07	08	09	10	12	13	14	15	18	21	22	23	25	28	29	30	32	34	35	36	75	92	94	96	Total Number	Total wt (lbs)
22	1				2					4	3							4					21				1	36	3.27	
23			NO		COUNT			-		FISH	COLLECTION							UNDER			REPAIR									
24	4				7				1	4	3											43	632					5	736	11.56
25	5				3			1		24	85		1				2	10		2		20	307		1	3	2	1	467	9.59
26	3	17			12			1		29	66						8	8		6		6	48	513		19	1	2	737	12.29
27	8	9			6			1		25	54	1	1				1	18		1		11	53					191	7.78	
28	15	25		1	4		1	1	1	21	35						2	36	1	3		22	415	2		2	3	590	16.43	
29	10	25			4		1	3	2	22	98					1	17	33		9	3	58	822	2	28	2	1	1141	21.38	
30	7	5	3		2					11	25	1		1	1		7	10		1		37	379	1	14			505	11.84	
Totals	53	81	3	1	40	1	1	7	4	140	369	2	2	1	1	1	40	147	1	26	9	239	3142	5	1	66	13	7	4403	94.14

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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 (N. bifrenatus)
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 (N. amoenus)	96	Centrarchid Unidentified
47	Common Shiner (N. cornutus)	97	Spotfin Shiner
48	Mimic Shiner (N. volcellus)	98	Squirrel Hake, Red Hake (U. chuss)
49	Lookdown	99	Others
50	Clupeid Unidentified		

Indian Point Station

CHEMICAL DISCHARGES

April _____, 19 76

	April 7		April 14		April 21		April 28		IN	OUT
	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
pH	7.5	7.6	7.9	7.8	7.5	7.6	7.5	7.6		
Chlorine mg/l	< .003	< .003	< .003	< .003	< .003	< .003	< .003	< .003		
Boron mg/l (1)	< .01	< .01	.2	.7	.2	.2	< .01	< .01		
Phosphate mg/l	< .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	26	32	48	41	< 20	< 20	29	< 20		
Dissolved Oxygen mg/l	12.6	12.9	13.2	12.2	12.4	12.3	11.9	11.5		

NOTES:

- (1) The Boron and LiOH calculated values are attached
- (2) Cyclohexylamine is not used at Indian Point
- (3) No chlorination performed during the month of April

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DATE April, 1976

LOCATION _____

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Chemical Discharges

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

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Site Thermal Discharges

Date	Inlet			Outlet		
	MIN.	MAX.	AVG.	MIN.	MAX.	AVG.
1	42.0	42.0	42.0	43.0	43.0	43.0
2	42.0	42.0	42.0	43.0	43.0	43.0
3	42.0	42.0	42.0	43.0	43.0	43.0
4	42.0	42.0	42.0	43.0	43.0	43.0
5	42.0	42.0	42.0	43.0	43.0	43.0
6	42.0	42.0	42.0	43.0	43.0	43.0
7	42.0	42.5	42.5	44.5	44.5	44.5
8	42.0	42.5	42.3	44.0	44.6	44.3
9	42.0	42.5	42.4	44.1	44.1	44.1
10	42.0	43.0	42.2	43.6	44.1	43.9
11	42.0	42.0	42.0	44.0	44.0	44.0
12	43.0	43.5	43.2	43.2	43.7	43.4
13	42.0	42.5	42.2	43.2	45.6	44.0
14	42.0	45.8	43.2	44.0	47.9	45.1
15	44.8	46.0	45.6	44.9	48.0	45.9
16	44.7	45.2	44.9	45.0	46.9	45.6
17	45.0	45.8	45.3	45.0	50.7	46.5
18	45.7	46.7	46.1	45.8	50.0	46.6
19	46.6	47.9	47.2	46.6	54.2	49.8
20	48.0	48.3	48.1	48.5	49.2	48.9
21	48.2	49.0	48.7	49.5	49.5	49.5
22	49.0	49.3	49.2	49.7	50.0	49.9
23	49.3	51.0	50.2	49.9	50.8	50.4
24	50.1	50.3	50.2	50.5	52.7	50.8
25	50.3	50.4	50.3	50.3	55.4	50.9
26	50.0	50.3	50.2	50.1	56.2	50.9
27	50.0	51.2	50.4	50.1	60.8	53.7
28	50.1	51.0	50.5	51.0	61.3	55.7
29	50.3	51.3	50.7	51.0	60.8	52.1
30	50.7	51.9	51.0	51.0	52.3	51.5

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River Water Discharges By Circulator*
 Unit No. 2

#21

Date	ON	OFF	HRS	AVG. DISCH.,	TOTAL UNIT GPM x 10 ³
1			0		25.0
2			0		25.0
3			0		21.7
4			0		20.0
5			0		20.0
6			0		20.0
7			0		20.0
8			0		20.0
9			0		20.0
10			0		20.0
11			0		20.0
12			0		20.0
13			0		20.0
14			0		20.0
15			0		17.7
16			0		15.0
17			0		15.0
18			0		15.0
19	1740		620		36.8
20			24		99.0
21			24		99.0
22		1920	1920		83.0
23			0		15.0
24			0		15.0
25			0		15.0
26			0		15.0
27			0		15.0
28			0		15.0
29			0		15.0
30			0		15.0

* ALL OTHER CIRCULATORS SHUTDOWN FOR THE MONTH.

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River Water Discharges By Circulator*
Unit No. 3

DATE	#31			#32			#33			#34			#35			#36			AVERAGE DISCHARGE, GPM	TOTAL UNIT x 10 ³
	ON	OFF	HRS	ON	OFF	HRS	ON	OFF	HRS	ON	OFF	HRS	ON	OFF	HRS	ON	OFF	HRS		
1			0			0			24			0			0			0	151.6	
2			0						24									0	155.5	
3	1017		1343					1017	1017									0	150.6	
4			24						0									0	155.0	
5			↓						↓									↓	150.0	
6			↓						↓									↓	150.0	
7			↓						↓									↓	150.0	
8		0430	0430						↓						0310			2050	271.5	
9	0900		1500						↓									24	176.3	
10			24				1050	1535	445									↓	237.5	
11			↓						0									↓	317.7	
12			↓				1121	1630	509									↓	290.0	
13			↓				0930	1630	1430									↓	319.3	
14			↓						24									↓	375.2	
15			↓					1213	1213									↓	432.1	
16			↓				1225	1213	1213									↓	301.0	
17			↓						1135						0140	1213		1213	352.4	
18			↓						24									24	435.0	
19			↓						24									24	435.0	
20			↓						24									24	283.8	
21		1935	1935					1257	1257								1257	1257	306.2	
22	1924		436						0						1935			425	155.0	
23			24				155		0									24	181.6	
24			↓						2205									24	423.8	
25			↓						24									↓	435.0	
26		1131	1131					1131	1131									↓	435.0	
27	420		1940				420		1940									↓	289.6	
28			24						24									↓	384.6	
29			↓						24									↓	435.0	
30			↓						24									↓	435.0	
									24									↓	438.4	

* ALL OPERATING CIRCULATORS AT 100% FLOW.

Ed P. McCoy
Senior Landscape Arch.

DATE OF DOCUMENT 5/24/76		DATE RECEIVED 6/15		NO.: NRR-949		
LTR.		MEMO:		REPORT:		
ORIG.		CC:		OTHER:		
ACTION NECESSARY <input type="checkbox"/>		CONCURRENCE <input type="checkbox"/>		DATE ANSWERED:		
NO ACTION NECESSARY <input checked="" type="checkbox"/>		COMMENT <input type="checkbox"/>		BY: 6/15/76		
CLASSIF.:		POST OFFICE		REG. NO.:		
DESCRIPTION: (Must Be Unclassified)		FILE CODE:				
<p>Request for info whether public hearings will be held before final commitment is on Draft Environmental statement on INDIAN POINT 2</p>		REFERRED TO	DATE	RECEIVED BY	DATE	
		HDenton	6/1/76			
		Copy to:				
		BCausche				
		BCCase				
		JWMiller				
ENCLOSURES:		RBoyd				
		RHeineman				
		VStello				
REMARKS:		PRR 50-247				
		<p>INCOMING LETTER SENT TO DOCKET FILES FOR PROPER DISTRIBUTION</p>				