

IMPINGEMENT MONITORING PROGRAM

REPORT NO. 7 - OCTOBER 1977

SALEM NUCLEAR GENERATING STATION
UNIT NO. 1

DOCKET NO. 50-272
OPERATING LICENSE NO. DPR-70

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PUBLIC SERVICE ELECTRIC AND GAS COMPANY
NEWARK, NEW JERSEY
NOVEMBER 20, 1977

SUMMARY

This is the seventh monthly impingement monitoring program report required by Section 3.1.2.2 of the Environmental Technical Specifications (ETS). The ETS are Appendix B of the Salem Nuclear Generating Station (SNGS) Operating License No. DPR-70. The tabular summaries attached include daily estimates of the number and weight of fish impinged on the Circulating Water System (CWS) traveling screens (Table 2) and the Service Water System (SWS) traveling screens (Table 3). CWS operation is also summarized (Table 1).

The monitoring program at both the CWS and SWS consists of three 24-hour sampling periods per week. The CWS screens were sampled four times per 24-hour period at approximately six-hour intervals. Samples were collected by diverting approximately three minutes of screen wash water to the counting pool located on the north end of the CWS intake structure. Survival rates are calculated for CWS samples only. SWS screen samples consisted of either one 24-hour or two 12-hour samples per day. These samples consisted of all fish impinged and found in the trash baskets located on the intake structure proper.

SNGS initiated a planned eight week outage on September 17, 1977. SWS samples were collected during the outage as required by the ETS. CWS samples were only collected if the intake was in service during regularly scheduled sampling periods.

MDL:aec

TABLE 1. - START TIME AND DURATION OF IMPINGEMENT SAMPLES AT THE CIRCULATING WATER INTAKE, S.N.G.S UNIT 1
 1 OCTOBER THROUGH 1 NOVEMBER 1977. NUMBER OF PUMPS AND SCREENS IN OPERATION, SCREEN OPERATING MODE
 (I= INTERMITTENT, C= CONTINUOUS), WEIGHT (GM/3 MIN SAMPLE) OF DETRITUS, AND WATER TEMPERATURE (C)
 ARE INDICATED.

DATE	SAMPLE START TIME	DUR. (MIN)	PUMPS	SCREENS	OPERATING MODE	DETRITUS WEIGHT (GM/3 MIN SAMPLE)	WATER TEMPERATURE (C)
77/10/03	1200	3	1	1	C	135	18.5
77/10/03	1800	3	1	1	C	803	18.5
77/10/04	0000	3	1	1	C	385	17.5
77/10/04	0600	3	1	1	C	754	17.0

IMPINGEMENT MONITORING PROGRAM
 SALEM NUCLEAR GENERATING STATION UNIT 1
 PSE&G NEWARK, N.J.

TABLE 2. - IMPINGEMENT - S.N.G.S. CIRCULATING WATER SYSTEM INTAKE, 1 OCTOBER TO 1 NOVEMBER 1977.

SAMPLING PERIOD - 10/03/77 1200 THROUGH 10/04/77 0600

SPECIES	N	CF	% SURVIVAL			TOTAL NUMBER COLLECTED	MEAN ESTIMATED NUMBER/ 24 HOURS	STANDARD DEVIATION	MEAN- ESTIMATED WT/24 HRS (KG)	STANDARD DEVIATION	WEIGHT (GM)		LENGTH (MM)	
			L	D	D*						MIN.	MAX.	MIN.	MAX.
T. MACULATUS	4	2	50	50	0	2	240	277.1	.27	.3	.7	1.6	37.5	42.5
C. SAPIDUS	4	4	88	11	0	9	1,080	1200.0	5.52	9.8	1.1	12.9	17.5	62.5
R. MARGINATA	4	2	66	0	33	3	360	459.5	3.82	4.6	8.1	12.1	127.5	152.5
S. FUSCUS	4	1	100	0	0	1	120	240.0	.16	.3	1.4	1.4	147.5	147.5
L. XANTHURUS	4	1	0	0	100	1	120	240.0	.62	1.2	5.2	5.2	72.5	72.5
B. CHRYSURA	4	1	100	0	0	1	120	240.0	.49	.9	4.1	4.1	67.5	67.5
TOTAL						17	2,040		10.88					

N = NUMBER OF 3-MINUTE SAMPLES.

CF = CATCH FREQUENCY (NUMBER OF SAMPLES IN WHICH THE SPECIES APPEARED).

% SURVIVAL: L = LIVE; D = DEAD; D* = DAMAGED.

MEAN ESTIMATED NUMBER PER 24 HOURS FOR EACH SPECIES WAS CALCULATED BY MULTIPLYING THE NUMBER OF SPECIMENS IN EACH 3-MINUTE SAMPLE BY 480 TO OBTAIN A 24-HOUR ESTIMATE. THE ESTIMATED NUMBER FOR EACH SAMPLE WAS SUMMED AND DIVIDED BY THE NUMBER OF SAMPLES TO OBTAIN THE MEAN.

MEAN ESTIMATED WEIGHT PER 24 HOURS FOR EACH SPECIES WAS CALCULATED BY THE SAME METHOD AS MEAN ESTIMATED NUMBER.

IMPINGEMENT MONITORING PROGRAM
SALEM NUCLEAR GENERATING STATION UNIT 1
PSE&G, NEWARK, N.J.

TABLE 3. - IMPINGEMENT - S.N.G.S. SERVICE WATER SYSTEM INTAKE, 1 OCTOBER TO 1 NOVEMBER 1977.

SAMPLING PERIOD - 10/03/77 0830 TO 10/04/77 0830

SPECIES	NUMBER	WT.(GM)	WEIGHT		LENGTH	
			MIN.	MAX.	MIN.	MAX.
TOTAL	0	0.00				

IMPINGEMENT MONITORING PROGRAM
SALEM NUCLEAR GENERATING STATION UNIT 1
PSE&G, NEWARK, N.J.

TABLE 3. - (CONTINUED).

SAMPLING PERIOD - 10/05/77 0830 TO 10/06/77 0830

SPECIES	NUMBER	WT.(GM)	WEIGHT		LENGTH	
			MIN.	MAX.	MIN.	MAX.
A. MITCHILLI	1	0.90	.9	.9	47.5	47.5
TOTAL	1	0.90				

IMPINGEMENT MONITORING PROGRAM
SALEM NUCLEAR GENERATING STATION UNIT 1
PSE&G, NEWARK, N.J.

TABLE 3. - (CONTINUED).

SAMPLING PERIOD - 10/06/77 0830 TO 10/07/77 0830

SPECIES	NUMBER	WT. (GM)	WEIGHT		LENGTH	
			MIN.	MAX.	MIN.	MAX.
TOTAL	0	0.00				

IMPINGEMENT MONITORING PROGRAM
SALEM NUCLEAR GENERATING STATION UNIT 1
PSE&G, NEWARK, N.J.

TABLE 3. - (CONTINUED).

SAMPLING PERIOD - 10/11/77 0830 TO 10/12/77 0830

SPECIES	NUMBER	WT. (GM)	WEIGHT		LENGTH	
			MIN.	MAX.	MIN.	MAX.
T. MACULATUS	5	14.70	1.0	7.5	47.5	72.5
L. XANTHURUS	1	8.90	8.9	8.9	92.5	92.5
M. AMERICANA	1	78.00	78.0	78.0	162.5	162.5
C. SAPIDUS	2	5.80	2.5	3.3	37.5	42.5
TOTAL	9	107.40				

IMPINGEMENT MONITORING PROGRAM
SALEM NUCLEAR GENERATING STATION UNIT 1
PSE&G, NEWARK, N.J.

TABLE 3. - (CONTINUED).

SAMPLING PERIOD - 10/12/77 0830 TU 10/13/77 0830

SPECIES	NUMBER	WT. (GM)	WEIGHT		LENGTH	
			MIN.	MAX.	MIN.	MAX.
L. XANTHURUS	1	15.80	15.8	15.8	112.5	112.5
T. MACULATUS	6	14.80	1.5	3.6	47.5	57.5
C. SAPIDUS	3	25.30	3.4	15.0	37.5	62.5
A. MITCHILLI	1	1.00	3.4	15.0		
TOTAL	11	56.90				

IMPINGEMENT MONITORING PROGRAM
SALEM NUCLEAR GENERATING STATION UNIT 1
PSE&G, NEWARK, N.J.

TABLE 3. - (CONTINUED).

SAMPLING PERIOD - 10/13/77 0830 TU 10/14/77 0830

SPECIES	NUMBER	WT. (GM)	WEIGHT		LENGTH	
			MIN.	MAX.	MIN.	MAX.
A. AESTIVALIS	1	19.50	19.5	19.5	137.5	137.5
T. MACULATUS	16	28.20	.4	2.9	37.5	57.5
L. XANTHURUS	5	74.30	7.9	24.6	87.5	122.5
C. REGALIS	1	17.90	17.9	17.9	132.5	132.5
A. MITCHILLI	1	3.20	3.2	3.2	72.5	72.5
C. SAPIDUS	6	28.60	1.0	11.4	27.5	52.5
TOTAL	30	171.70				

IMPINGEMENT MONITORING PROGRAM
SALEM NUCLEAR GENERATING STATION UNIT 1
PSE&G, NEWARK, N.J.

TABLE 3. - (CONTINUED).

SAMPLING PERIOD - 10/18/77 0900 TO 10/19/77 0900

SPECIES	NUMBER	WT. (GM)	WEIGHT		LENGTH	
			MIN.	MAX.	MIN.	MAX.
T. MACULATUS	24	64.20	1.2	21.6	37.5	97.5
S. AQUOSUS	1	6.40	6.4	6.4	82.5	82.5
B. TYRANNUS	1	13.80	13.8	13.8	107.5	107.5
L. XANTHURUS	1	18.00	18.0	18.0	107.5	107.5
S. FOETENS	1	3.60	3.6	3.6	82.5	82.5
C. SAPIDUS	3	6.90	1.2	5.2	17.5	37.5
TOTAL	31	112.90				

IMPINGEMENT MONITORING PROGRAM
SALEM NUCLEAR GENERATING STATION UNIT 1
PSE&G, NEWARK, N.J.

TABLE 3. - (CONTINUED).

SAMPLING PERIOD - 10/19/77 0900 TO 10/20/77 0900

SPECIES	NUMBER	WT. (GM)	WEIGHT		LENGTH	
			MIN.	MAX.	MIN.	MAX.
T. MACULATUS	126	269.20	.2	13.0	27.5	87.5
P. SALTATRIX	1	73.00	73.0	73.0	182.5	182.5
R. MARGINATA	1	11.90	11.9	11.9	137.5	137.5
L. XANTHURUS	3	40.00	11.4	17.2	92.5	117.5
O. TAU	1	6.60	6.6	6.6	72.5	72.5
S. FUSCUS	2	3.60	1.1	2.5	147.5	172.5
S. FOETENS	3	12.30	2.8	7.3	82.5	102.5
A. MITCHILLI	1	0.50	.5	.5	37.5	37.5
C. SAPIDUS	10	42.00	.6	4.5	17.5	42.5
TOTAL	148	459.10				

IMPINGEMENT MONITORING PROGRAM
SALEM NUCLEAR GENERATING STATION UNIT 1
PSE&G, NEWARK, N.J.

TABLE 3. - (CONTINUED).

SAMPLING PERIOD - 10/20/77 0900 TO 10/21/77 0900

SPECIES	NUMBER	WT. (GM)	WEIGHT		LENGTH	
			MIN.	MAX.	MIN.	MAX.
T. MACULATUS	19	31.40	.8	2.4	32.5	52.5
L. XANTHURUS	5	63.00	9.1	19.1	87.5	112.5
B. CHRYSURA	1	2.20	2.2	2.2	52.5	52.5
A. MITCHILLI	1	1.00	1.0	1.0	52.5	52.5
C. SAPIDUS	7	38.10	1.8	15.2	27.5	62.5
TOTAL	33	135.70				

IMPINGEMENT MONITORING PROGRAM
SALEM NUCLEAR GENERATING STATION UNIT 1
PSE&G, NEWARK, N.J.

TABLE 3. - (CONTINUED).

SAMPLING PERIOD - 10/24/77 0830 TO 10/25/77 0830

SPECIES	NUMBER	WT. (GM)	WEIGHT		LENGTH	
			MIN.	MAX.	MIN.	MAX.
L. XANTHURUS	3	29.00	10.8	11.9	92.5	92.5
A. MITCHILLI	1	6.50	6.5	6.5	82.5	82.5
L. MACROCHIRUS	1	3.70	3.7	3.7	57.5	57.5
M. AMERICANA	1	8.20	8.2	8.2	87.5	87.5
T. MACULATUS	16	39.00	1.1	14.0	32.5	87.5
S. FUSCUS	1	1.70	1.7	1.7	132.5	132.5
TOTAL	23	88.10				

IMPINGEMENT MONITORING PROGRAM
SALEM NUCLEAR GENERATING STATION UNIT 1
PSE&G, NEWARK, N.J.

TABLE 3. - (CONTINUED).

SAMPLING PERIOD - 10/25/77 0900 TO 10/26/77 0900

SPECIES	NUMBER	WT. (GM)	WEIGHT		LENGTH	
			MIN.	MAX.	MIN.	MAX.
C. REGALIS	1	1.70	1.7	1.7	57.5	57.5
T. MACULATUS	6	12.00	1.5	2.3	42.5	52.5
A. MITCHILLI	1	4.20	4.2	4.2	77.5	77.5
TOTAL	8	17.90				

IMPINGEMENT MONITORING PROGRAM
SALEM NUCLEAR GENERATING STATION UNIT 1
PSE&G, NEWARK, N.J.

TABLE 3. - (CONTINUED).

SAMPLING PERIOD - 10/26/77 0900 TO 10/27/77 0900

SPECIES	NUMBER	WT. (GM)	WEIGHT		LENGTH	
			MIN.	MAX.	MIN.	MAX.
D. CEPEDIANUM	1	10.10	10.1	10.1	97.5	97.5
L. XANTHURUS	1	6.40	6.4	6.4	82.5	82.5
T. MACULATUS	7	12.50	1.5	2.1	42.5	47.5
A. ROSTRATA	1	290.00	290.0	290.0	447.5	447.5
C. SAPIDUS	1	1.00	1.0	1.0	22.5	22.5
TOTAL	11	320.00				

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SUMMARY

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The monitoring program at both the CWS and SWS consists of three 24-hour sampling periods per week. The CWS screens were sampled four times per 24-hour period at approximately six-hour intervals. Samples were collected by diverting approximately three minutes of screen wash water to the counting pool located on the north end of the CWS intake structure. Survival rates are calculated for CWS samples only. SWS screen samples consisted of either one 24-hour or two 12-hour samples per day. These samples consisted of all fish impinged and found in the trash baskets located on the intake structure proper.

SNGS initiated a planned eight week outage on September 17, 1977. SWS samples were collected during the outage as required by the ETS. CWS samples were only collected if the intake was in service during regularly scheduled sampling periods.

MDL:aec

TABLE 1. - START TIME AND DURATION OF IMPINGEMENT SAMPLES AT THE CIRCULATING WATER INTAKE, S.N.G.S UNIT 1
 1 OCTOBER THROUGH 1 NOVEMBER 1977. NUMBER OF PUMPS AND SCREENS IN OPERATION, SCREEN OPERATING MODE
 (I= INTERMITTENT, C= CONTINUOUS), WEIGHT (GM/3 MIN SAMPLE) OF DETRITUS, AND WATER TEMPERATURE (C)
 ARE INDICATED.

DATE	SAMPLE START TIME	DUR. (MIN)	PUMPS	SCREENS	OPERATING MODE	DETRITUS WEIGHT (GM/3 MIN SAMPLE)	WATER TEMPERATURE (C)
77/10/03	1200	3	1	1	C	135	18.5
77/10/03	1800	3	1	1	C	803	18.5
77/10/04	0000	3	1	1	C	385	17.5
77/10/04	0600	3	1	1	C	754	17.0

IMPINGEMENT MONITORING PROGRAM
 SALEM NUCLEAR GENERATING STATION UNIT 1
 PSE&G NEWARK, N.J.

TABLE 2. - IMPINGEMENT - S.N.G.S. CIRCULATING WATER SYSTEM INTAKE, 1 OCTOBER TO 1 NOVEMBER 1977.

SAMPLING PERIOD - 10/03/77 1200 THROUGH 10/04/77 0600

SPECIES	N	CF	% SURVIVAL			TOTAL NUMBER COLLECTED	MEAN ESTIMATED NUMBER/ 24 HOURS	STANDARD DEVIATION	MEAN ESTIMATED WT./24 HRS (KG)	STANDARD DEVIATION	WEIGHT (GM)		LENGTH (MM)	
			L	D	D*						MIN.	MAX.	MIN.	MAX.
T. MACULATUS	4	2	50	50	0	2	240	277.1	.27	.3	.7	1.6	37.5	42.5
C. SAPIDUS	4	4	88	11	0	9	1,080	1200.0	5.52	9.8	1.1	12.9	17.5	62.5
R. MARGINATA	4	2	66	0	33	3	360	459.5	3.82	4.6	8.1	12.1	127.5	152.5
S. FUSCUS	4	1	100	0	0	1	120	240.0	.16	.3	1.4	1.4	147.5	147.5
L. XANTHURUS	4	1	0	0	100	1	120	240.0	.62	1.2	5.2	5.2	72.5	72.5
B. CHRYSURA	4	1	100	0	0	1	120	240.0	.49	.9	4.1	4.1	67.5	67.5
TOTAL						17	2,040		10.88					

N = NUMBER OF 3-MINUTE SAMPLES.

CF = CATCH FREQUENCY (NUMBER OF SAMPLES IN WHICH THE SPECIES APPEARED).

% SURVIVAL: L = LIVE; D = DEAD; D* = DAMAGED.

MEAN ESTIMATED NUMBER PER 24 HOURS FOR EACH SPECIES WAS CALCULATED BY MULTIPLYING THE NUMBER OF SPECIMENS IN EACH 3-MINUTE SAMPLE BY 480 TO OBTAIN A 24-HOUR ESTIMATE. THE ESTIMATED NUMBER FOR EACH SAMPLE WAS SUMMED AND DIVIDED BY THE NUMBER OF SAMPLES TO OBTAIN THE MEAN.

MEAN ESTIMATED WEIGHT PER 24 HOURS FOR EACH SPECIES WAS CALCULATED BY THE SAME METHOD AS MEAN ESTIMATED NUMBER.

IMPINGEMENT MONITORING PROGRAM
SALEM NUCLEAR GENERATING STATION UNIT 1
PSE&G, NEWARK, N.J.

TABLE 3. - IMPINGEMENT - S.N.G.S. SERVICE WATER SYSTEM INTAKE, 1 OCTOBER TO 1 NOVEMBER 1977.

SAMPLING PERIOD - 10/03/77 0830 TO 10/04/77 0830

SPECIES	NUMBER	WT. (GM)	WEIGHT		LENGTH	
			MIN.	MAX.	MIN.	MAX.
TOTAL	0	0.00				

IMPINGEMENT MONITORING PROGRAM
SALEM NUCLEAR GENERATING STATION UNIT 1
PSE&G, NEWARK, N.J.

TABLE 3. - (CONTINUED).

SAMPLING PERIOD - 10/05/77 0830 TO 10/06/77 0830

SPECIES	NUMBER	WT. (GM)	WEIGHT		LENGTH	
			MIN.	MAX.	MIN.	MAX.
A. MITCHILLI	1	0.90	.9	.9	47.5	47.5
TOTAL	1	0.90				

IMPINGEMENT MONITORING PROGRAM
SALEM NUCLEAR GENERATING STATION UNIT 1
PSE&G, NEWARK, N.J.

TABLE 3. - (CONTINUED).

SAMPLING PERIOD - 10/06/77 0830 TO 10/07/77 0830

SPECIES	NUMBER	WT. (GM)	WEIGHT		LENGTH	
			MIN.	MAX.	MIN.	MAX.
TOTAL	0	0.00				

IMPINGEMENT MONITORING PROGRAM
SALEM NUCLEAR GENERATING STATION UNIT 1
PSE&G, NEWARK, N.J.

TABLE 3. - (CONTINUED).

SAMPLING PERIOD - 10/11/77 0830 TO 10/12/77 0830

SPECIES	NUMBER	WT. (GM)	WEIGHT		LENGTH	
			MIN.	MAX.	MIN.	MAX.
T. MACULATUS	5	14.70	1.0	7.5	47.5	72.5
L. XANTHURUS	1	8.90	8.9	8.9	92.5	92.5
M. AMERICANA	1	78.00	78.0	78.0	162.5	162.5
C. SAPIDUS	2	5.80	2.5	3.3	37.5	42.5
TOTAL	9	107.40				

IMPINGEMENT MONITORING PROGRAM
SALEM NUCLEAR GENERATING STATION UNIT 1
PSE&G, NEWARK, N.J.

TABLE 3. - (CONTINUED).

SAMPLING PERIOD - 10/12/77 0830 TU 10/13/77 0830

SPECIES	NUMBER	WT. (GM)	WEIGHT		LENGTH	
			MIN.	MAX.	MIN.	MAX.
L. XANTHURUS	1	15.80	15.8	15.8	112.5	112.5
T. MACULATUS	6	14.80	1.5	3.6	47.5	57.5
C. SAPIDUS	3	25.30	3.4	15.0	37.5	62.5
A. MITCHILLI	1	1.00	3.4	15.0		
TOTAL	11	56.90				

IMPINGEMENT MONITORING PROGRAM
SALEM NUCLEAR GENERATING STATION UNIT 1
PSE&G, NEWARK, N.J.

TABLE 3. - (CONTINUED).

SAMPLING PERIOD - 10/13/77 0830 TU 10/14/77 0830

SPECIES	NUMBER	WT. (GM)	WEIGHT		LENGTH	
			MIN.	MAX.	MIN.	MAX.
A. AESTIVALIS	1	19.50	19.5	19.5	137.5	137.5
T. MACULATUS	14	28.20	.4	2.9	37.5	57.5
L. XANTHURUS	5	74.30	7.9	24.6	87.5	122.5
C. REGALIS	1	17.90	17.9	17.9	132.5	132.5
A. MITCHILLI	1	3.20	3.2	3.2	72.5	72.5
C. SAPIDUS	6	28.60	1.0	11.4	27.5	52.5
TOTAL	30	171.70				

IMPINGEMENT MONITORING PROGRAM
SALEM NUCLEAR GENERATING STATION UNIT 1
PSE&G, NEWARK, N.J.

TABLE 3. - (CONTINUED).

SAMPLING PERIOD - 10/18/77 0900 TO 10/19/77 0900

SPECIES	NUMBER	WT. (GM)	WEIGHT		LENGTH	
			MIN.	MAX.	MIN.	MAX.
T. MACULATUS	24	64.20	1.2	21.6	37.5	97.5
S. AQUOSUS	1	6.40	6.4	6.4	82.5	82.5
B. TYRANNUS	1	13.80	13.8	13.8	107.5	107.5
L. XANTHURUS	1	18.00	18.0	18.0	107.5	107.5
S. FOETENS	1	3.60	3.6	3.6	82.5	82.5
C. SAPIDUS	3	6.90	1.2	5.2	17.5	37.5
TOTAL	31	112.90				

IMPINGEMENT MONITORING PROGRAM
SALEM NUCLEAR GENERATING STATION UNIT 1
PSE&G, NEWARK, N.J.

TABLE 3. - (CONTINUED).

SAMPLING PERIOD - 10/19/77 0900 TO 10/20/77 0900

SPECIES	NUMBER	WT. (GM)	WEIGHT		LENGTH	
			MIN.	MAX.	MIN.	MAX.
T. MACULATUS	126	269.20	.2	13.0	27.5	87.5
P. SALTATRIX	1	73.00	73.0	73.0	182.5	182.5
R. MARGINATA	1	11.90	11.9	11.9	137.5	137.5
L. XANTHURUS	3	40.00	11.4	17.2	92.5	117.5
O. TAU	1	6.60	6.6	6.6	72.5	72.5
S. FUSCUS	2	3.60	1.1	2.5	147.5	172.5
S. FOETENS	3	12.30	2.8	7.3	82.5	102.5
A. MITCHILLI	1	0.50	.5	.5	37.5	37.5
C. SAPIDUS	10	42.00	.6	4.5	17.5	42.5
TOTAL	148	459.10				

IMPINGEMENT MONITORING PROGRAM
SALEM NUCLEAR GENERATING STATION UNIT 1
PSE&G, NEWARK, N.J.

TABLE 3. - (CONTINUED).

SAMPLING PERIOD - 10/20/77 0900 TO 10/21/77 0900

SPECIES	NUMBER	WT. (GM)	WEIGHT		LENGTH	
			MIN.	MAX.	MIN.	MAX.
T. MACULATUS	19	31.40	.8	2.4	32.5	52.5
L. XANTHURUS	5	63.00	9.1	19.1	87.5	112.5
B. CHRYSURA	1	2.20	2.2	2.2	52.5	52.5
A. MITCHILLI	1	1.00	1.0	1.0	52.5	52.5
C. SAPIDUS	7	38.10	1.8	15.2	27.5	62.5
TOTAL	33	135.70				

IMPINGEMENT MONITORING PROGRAM
SALEM NUCLEAR GENERATING STATION UNIT 1
PSE&G, NEWARK, N.J.

TABLE 3. - (CONTINUED).

SAMPLING PERIOD - 10/24/77 0830 TO 10/25/77 0830

SPECIES	NUMBER	WT. (GM)	WEIGHT		LENGTH	
			MIN.	MAX.	MIN.	MAX.
L. XANTHURUS	3	29.00	10.8	11.9	92.5	92.5
A. MITCHILLI	1	6.50	6.5	6.5	82.5	82.5
L. MACROCHIRUS	1	3.70	3.7	3.7	57.5	57.5
M. AMERICANA	1	8.20	8.2	8.2	87.5	87.5
T. MACULATUS	16	39.00	1.1	14.0	32.5	87.5
S. FUSCUS	1	1.70	1.7	1.7	132.5	132.5
TOTAL	23	88.10				

IMPINGEMENT MONITORING PROGRAM
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TABLE 3. - (CONTINUED).

SAMPLING PERIOD - 10/25/77 0900 TO 10/26/77 0900

SPECIES	NUMBER	WT. (GM)	WEIGHT		LENGTH	
			MIN.	MAX.	MIN.	MAX.
C. REGALIS	1	1.70	1.7	1.7	57.5	57.5
T. MACULATUS	6	12.00	1.5	2.3	42.5	52.5
A. MITCHILLI	1	4.20	4.2	4.2	77.5	77.5
TOTAL	8	17.90				

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TABLE 3. - (CONTINUED).

SAMPLING PERIOD - 10/26/77 0900 TO 10/27/77 0900

SPECIES	NUMBER	WT. (GM)	WEIGHT		LENGTH	
			MIN.	MAX.	MIN.	MAX.
D. CEPEDIANUM	1	10.10	10.1	10.1	97.5	97.5
L. XANTHURUS	1	6.40	6.4	6.4	82.5	82.5
T. MACULATUS	7	12.50	1.5	2.1	42.5	47.5
A. ROSTRATA	1	290.00	290.0	290.0	447.5	447.5
C. SAPIDUS	1	1.00	1.0	1.0	22.5	22.5
TOTAL	11	320.00				

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