



ARKANSAS POWER & LIGHT COMPANY
POST OFFICE BOX 551 LITTLE ROCK, ARKANSAS 72203 (501) 371-4000

October 27, 1980

1-100-13

Director of Nuclear Reactor Regulation
ATTN: Mr. R. W. Reid, Chief
Operating Reactors Branch #4
Division of Licensing
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

SUBJECT: Arkansas Nuclear One - Unit 1
Docket No. 50-313
License No. DPR-51
Intake Impingement Data
(File: 0520.2)

Gentlemen:

Enclosed are the results of impingement monitoring at the intake of Arkansas Nuclear One - Unit 1 during the month of September, 1980. This is being submitted per Environmental Technical Specification 4.1.2.1(2).

Very truly yours,

David C. Trimble

David C. Trimble
Manager, Licensing

DCT:DVH:lp

Enclosures: (3) copies of report
(1) set of computer cards

A007

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1/1

SEND computer CARDS

to:

R. REID

8910810 381

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ANALYSIS OF PUMP & LIGHT CIRCULATING
AND SCREEN PUMPING

NOV DATE: 10/13/00

ANALYSIS OF PUMP & LIGHT CIRCULATING

IN-USE TIME
OF SAMPLES 124 HRS

TEMPERATURE BY P

WASHERS

NUMBER OF CIRCULATING 24 HOUR TOTAL
PUMPS IN OPERATION & SAMPLE COUNTS

24 HOUR TOTAL *
SAMPLE WEIGHT 23.5 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT (LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH (MM)	MIDDLE LENGTH (MM)	#	#	MIDDLE LENGTH (MM)	#	#
WHITE CRAB	14.44	24	300	190 TO 210	5	174	0 TO 5	4	144
WILLOW CRAB	2.31	74	220	90 TO 120	15	504	5 TO 10	15	504
CRAB CRAB	2.15	74	370	160 TO 210	3	434	50 TO 55	2	244
FRESHWATER CRAB	2.25	91	317	60 TO 90	14	544	0 TO 5	13	544
TEMPERATE CRAB	0.75	157	115	30 TO 60	17	704	0 TO 5	25	854
WHITE CRAB	0.54	10	270	60 TO 90	6	604	0 TO 5	6	604
CRAB CRAB	0.50	4	134	130 TO 160	3	754	20 TO 25	2	504
MISSISSIPPI SILVERSIDES	0.04	2	87	60 TO 90	2	1004	0 TO 5	2	1004
CRAB SILVERSIDES	0.02	14	65	60 TO 90	1	1004	0 TO 5	1	1004
CRAB CRAB	0.04	3	105	90 TO 120	3	1004	0 TO 5	2	674
SALT CRAB	0.05	3	115	90 TO 120	2	674	5 TO 10	2	674
CRAB CRAB	0.08	14	140	120 TO 150	1	1004	35 TO 40	1	1004
CRAB CRAB	0.11	14	120	120 TO 150	1	1004	50 TO 55	1	1004

* TOTAL SAMPLE WT. INCLUDES 0.0 LBS OF DEBRIS ACCUMULATION.

SPECIES NAME

SPECIES 24 HR
TOTAL COUNT

MAXIMUM
LENGTH (MM)

NUMBER OF
PUMPS IN
GENERATION

24 HOUR TOTAL
SAMPLE COUNT

24 HOUR TOTAL *
SAMPLE HEIGHT 15.6 LBS

MISSISSIPPI SILVERSTONE

MISSISSIPPI SILVERSTONE

MISSISSIPPI SILVERSTONE

MISSISSIPPI SILVERSTONE

MISSISSIPPI SILVERSTONE

MISSISSIPPI SILVERSTONE

MISSISSIPPI SILVERSTONE

MISSISSIPPI SILVERSTONE

MISSISSIPPI SILVERSTONE

MISSISSIPPI SILVERSTONE

MISSISSIPPI SILVERSTONE

* TOTAL SAMPLE HT. INCLUDES 0.6 LBS OF DEBRIS ACCUMULATION.

ARMSTRONG RUBBER & PLASTIC COMPANY
AND SERVICE DIVISION

RUN DATE: 10/15/80

SAMPLE IDENT: 00-000000

INLET TEMPERATURE
OF SAMPLE: 24 HRS

30 SECONDS
WASHER: 3

NUMBER OF CIRCULATING
PUMPS IN OPERATION: 4

24 HOUR TOTAL
SAMPLE WEIGHT: 4320

70.0 LBS

SPECIES NAME	SPECIES 24 HR TOTAL WEIGHT (LBS)	SPECIES 24 HR TOTAL COUNT	MAXIMUM LENGTH (MM)	MAXIMUM LENGTH (MM)	24 HOUR TOTAL SAMPLE COUNT	24 HOUR TOTAL SAMPLE WEIGHT	%
GIZZARD STAD	43.20	2450	170	40 TU 120 32	64	5 TU 10 37	142
TRIPLUMIN SHAD	11.44	1019	113	60 TU 40 28	604	0 TU 5 36	682
WHITE BASS	0.25	01	370	60 TU 40 4	354	5 TU 10 9	352
BLUE CATFISH	0.01	3	343	60 TU 40 1	334	0 TU 5 1	334
CARP	0.39	4	222	150 TU 100 2	304	25 TU 30 1	254
FRESHWATER DRUM	4.09	62	354	150 TU 100 8	314	0 TU 5 7	272
STRIPED BASS	0.01	3	232	180 TU 210 2	404	5 TU 10 1	204
WHITE CRAPPIE	0.38	8	203	40 TU 120 4	304	5 TU 10 3	362
MIDLAND SILVERBIDE	0.29	33	117	60 TU 40 18	694	0 TU 5 25	964
BLACKTILL BASS	0.11	10	77	30 TU 60 5	304	0 TU 5 6	604
WARMOUTH	0.07	1	126	120 TU 150 1	1004	30 TU 35 1	1004
SALT-JACK MERMID	0.20	9	180	40 TU 120 6	754	5 TU 10 4	304
GOUGEY SHIVER	0.01	1	70	60 TU 40 1	1004	0 TU 5 1	1004

* TOTAL SAMPLE WT. INCLUDES 0.00 LBS OF VEHICLES ACCUMULATION.