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AUTH.NAME AUTHOR AFFILIATION
MILLS,L.M. Tennessee Valley Authority
RECIP.NAME RECIPIENT AFFILIATION
EISENHUT,D.G. Division of Operating Reactors

SUBJECT: Amends 790730 fish impingement rept.Matl encl supersedes previously submitted data for second quater 1979.

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TENNESSEE VALLEY AUTHORITY
CHATTANOOGA, TENNESSEE 37401
400 Chestnut Street Tower II

August 9, 1979

Director of Nuclear Reactor Regulation
Attention: Mr. Darrell G. Eisenhut, Director
Division of Operating Reactors
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Dear Mr. Eisenhut:

The purpose of this letter is to amend the fish impingement report previously submitted to you on July 30, 1979, for the Browns Ferry Nuclear Plant units 1, 2, and 3 (Facility Operating License DPR-33, DPR-52, and DPR-63). The enclosed material supersedes that previously submitted for the second quarter of 1979.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

L. M. Mills, Manager
Nuclear Regulation and Safety

Enclosure
cc (Enclosure):
Mr. Gerald R. Hooper
District Fisheries Section
Alabama Game and Fish Commission
Department of Conservation and
Natural Resources
P.O. Box 366
Decatur, Alabama 35601

Mr. Sam L. Spencer, Chief
Fisheries Section
Alabama Game and Fish Commission
Department of Conservation and
Natural Resources
624 North Union Street
Montgomery, Alabama 36104

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An Equal Opportunity Employer

7908140532

BROWNS FERRY NUCLEAR PLANT QUARTERLY FISH IMPINGEMENT REPORT

TEST PERIOD FROM: TIME 0900 DATE 4-2-79 TO: TIME 0900 DATE 4-3-79

Screen	1AA	1AB	1BA	1BB	1CA	1CB	2AA	2AB	2BA	2BB	2CA	2CB	3AA	3AB	3BA	3BB	3CA	3CB	Total
Species																			
Shad and Herring	1,358	1,014	427	509	426	535	532	988	465	672	940	1,122	1,443	1,169	1,943	886	2,218	2,036	18,683
Catfish	1	-	2	1	-	1	2	1	2	2	3	-	3	2	1	1	2	2	26
Bass																			
Largemouth																			
Smallmouth																			
Spotted																			
Crappie	29	11	4	10	8	6	4	12	12	14	8	12	28	23	24	30	102	64	[illegible]1
Sunfish	13	8	4	2	6	9	4	6	4	2	7	6	14	14	8	7	45	42	201
Drum	360	81	149	117	98	63	122	168	189	106	217	292	648	263	692	327	1,042	601	5,535
Other	38	18	14	10	13	13	6	15	18	17	16	24	30	28	50	29	131	115	58[illegible]
Total	1,799	1,132	600	649	551	627	670	1,190	690	813	1,191	1,456	2,166	1,499	2,718	1,280	3,540	2,860	25,431

N. O. = Not in operation.

BROWNS FERRY NUCLEAR PLANT QUARTERLY FISH IMPINGEMENT REPORT

TEST PERIOD FROM: TIME 1200 DATE 4-12-79 TO: TIME 1200 DATE 4-13-79

Screen	1AA	1AB	1BA	1BB	1CA	1CB	2AA	2AB	2BA	2BB	2CA	2CB	3AA	3AB	3BA	3BB	3CA	3CB	Total
Species																			
Shad and Herring																			33,613
Catfish																			34
Bass																			
Largemouth																			
Smallmouth																			
Spotted																			
Crappie																			[illegible]
Sunfish																			267
Drum																			1,505
Other																			292
Total																			35,969

N. O. = Not in operation.

BROWNS FERRY NUCLEAR PLANT QUARTERLY FISH IMPINGEMENT REPORT

TEST PERIOD FROM: TIME 0900 DATE 4-18-79 TO: TIME 0900 DATE 4-19-79

Screen	1AA	1AB	1BA	1BB	1CA	1CB	2AA	2AB	2BA	2BB	2CA	2CB	3AA	3AB	3BA	3BB	3CA	3CB	Total
Species																			
Shad and Herring	N.O.	N.O.	N.O.	N.O.	N.O.	N.O.	90	97	62	73	94	104	76	58	70	87	157	150	1,118
Catfish							4	5	7	4	4	3	1	1	1	4		1	35
Bass																			
Largemouth																			
Smallmouth																			
Spotted																			
Crappie							7	1	12	12	7	14	12	13	2	5	23	23	131
Sunfish							33	30	22	11	28	26	13	28	25	21	22	22	281
Drum							21	30	17	24	36	23	19	19	13	21	51	29	303
Other							5	5	1	5	3	4	5		4	6	14	16	68
Total							160	168	121	129	172	174	126	119	115	144	267	241	1,936

N. O. = Not in operation.

BROWNS FERRY NUCLEAR PLANT QUARTERLY FISH IMPINGEMENT REPORT

TEST PERIOD FROM: TIME 1200 DATE 4-25-79 TO: TIME 1200 DATE 4-26-79

Screen	1AA	1AB	1BA	1BB	1CA	1CB	2AA	2AB	2BA	2BB	2CA	2CB	3AA	3AB	3BA	3BB	3CA	3CB	Total
Species																			
Shad and Herring																			406
Catfish																			12
Bass																			
Largemouth																			
Smallmouth																			
Spotted																			
Crappie																			56
Sunfish																			111
Drum																			663
Other																			94
Total																			1,342

N. O. = Not in operation.

BROWNS FERRY NUCLEAR PLANT QUARTERLY FISH IMPINGEMENT REPORT

TEST PERIOD FROM: TIME 1200 DATE 5-2-79 TO: TIME 1200 DATE 5-3-79

Screen	1AA	1AB	1BA	1BB	1CA	1CB	2AA	2AB	2BA	2BB	2CA	2CB	3AA	3AB	3BA	3BB	3CA	3CB	Total
Species																			
Shad and Herring																			136
Catfish																			22
Bass																			
Largemouth																			
Smallmouth																			
Spotted																			
Crappie																			41
Sunfish																			54
Drum																			324
Other																			16
Total																			593

N. O. = Not in operation.

BROWNS FERRY NUCLEAR PLANT QUARTERLY FISH IMPINGEMENT REPORT

TEST PERIOD FROM: TIME 1000 DATE 5-9-79 TO: TIME 1000 DATE 5-10-79

Screen	1AA	1AB	1BA	1BB	1CA	1CB	2AA	2AB	2BA	2BB	2CA	2CB	3AA	3AB	3BA	3BB	3CA	3CB	Total
Species																			
Shad and Herring							N.O.	N.O.	N.O.	N.O.	N.O.	N.O.							53
Catfish																			28
Bass																			
Largemouth																			
Smallmouth																			
Spotted																			
Crappie																			11
Sunfish																			35
Drum																			168
Other																			9
Total																			304

N. O. = Not in operation.

BROWNS FERRY NUCLEAR PLANT QUARTERLY FISH IMPINGEMENT REPORT

TEST PERIOD FROM: TIME 0900 DATE 5-14-79 TO: TIME 0900 DATE 5-15-79

Screen	1AA	1AB	1BA	1BB	1CA	1CB	2AA	2AB	2BA	2BB	2CA	2CB	3AA	3AB	3BA	3BB	3CA	3CB	Total
Species																			
Shad and Herring	13	13	9	12	2	5	N.O.	N.O.	N.O.	N.O.	N.O.	N.O.	N.O.	N.O.	9	24	46	36	169
Catfish	6	5	1	4	2										2	2	5	3	30
Bass																			
Largemouth																			
Smallmouth																			
Spotted																			
Crappie	1	1	4		1	1										1	7	10	[illegible]
Sunfish	3	3			1										1	6	3	3	20
Drum	28	28	8	11	8	6									19	26	78	67	279
Other		1	2		1	3										3	2	8	20
Total	51	51	24	27	15	15									31	62	141	127	544

N. O. = Not in operation.

BROWNS FERRY NUCLEAR PLANT QUARTERLY FISH IMPINGEMENT REPORT

TEST PERIOD FROM: TIME 0900 DATE 5-20-79 TO: TIME 0900 DATE 5-21-79

Screen	1AA	1AB	1BA	1BB	1CA	1CB	2AA	2AB	2BA	2BB	2CA	2CB	3AA	3AB	3BA	3BB	3CA	3CB	Total
Species																			
Shad and Herring	8	9	2	4	1		N.O.	N.O.	N.O.	N.O.	N.O.	N.O.	3		5	9	10		51
Catfish	2	3	1	2	1								1	1	1	4	3	2	21
Bass																			
Largemouth																			
Smallmouth																			
Spotted																			
Crappie	2	4	1	1									1	1			2		12
Sunfish	6	3	3	2	2	1							1		2	5	10	2	37
Drum	19	46	22	19	10	5							10	7	17	26	61	71	313
Other		1	1	1	1								1	2	2		3		12
Total	37	66	30	29	15	6							17	11	27	44	89	75	446

N. O. = Not in operation.

BROWNS FERRY NUCLEAR PLANT QUARTERLY FISH IMPINGEMENT REPORT

TEST PERIOD FROM: TIME 0900 DATE 5-28-79 TO: TIME 0900 DATE 5-29-79

Screen	1AA	1AB	1BA	1BB	1CA	1CB	2AA	2AB	2BA	2BB	2CA	2CB	3AA	3AB	3BA	3BB	3CA	3CB	Total
Species																			
Shad and Herring	17	14	16	10	12	3	N.O.	N.O.	N.O.	N.O.	N.O.	N.O.	11	5	22	21	18	11	160
Catfish	1			2	1	1									1	1		1	8
Bass																			
Largemouth																			
Smallmouth																			
Spotted			1																1
Crappie	4	3	1												1	1	5	1	16
Sunfish	2	7	7	6	1	2							3	1	6	5	9	2	51
Drum	118	40	22	25	13	7							8	9	23	14	42	102	423
Other	5	7	1	7	4	2							2	3	1	3	4	2	41
Total	147	71	48	50	31	15							24	18	54	45	78	119	700

N. O. = Not in operation.

BROWNS FERRY NUCLEAR PLANT QUARTERLY FISH IMPINGEMENT REPORT

TEST PERIOD FROM: TIME 0900 DATE 6-4-79 TO: TIME 0900 DATE 6-5-79

Screen	1AA	1AB	1BA	1BB	1CA	1CB	2AA	2AB	2BA	2BB	2CA	2CB	3AA	3AB	3BA	3BB	3CA	3CB	Total
Species																			
Shad and Herring	7		4	3	6	5	2	3	2			3	1	4	2	13	7	1	63
Catfish		1	2	1					2		2		3		1	1	2	1	16
Bass																			
Largemouth					1														1
Smallmouth																			
Spotted																			
Crappie	2						1				2	2				2	1	1	11
Sunfish	4		1	1	1	2		2	1	2	4	6	5	1	5	4	4	2	45
Drum	77	4	100	24	47	22	7	12	15	14	13	16	23	11	26	32	27	51	521
Other	7		8	2	2	2		3	1	1	2	1	2	1	1	4	6	1	44
Total	97	5	115	31	57	31	10	20	21	17	23	28	34	17	35	56	47	57	701

N. O. = Not in operation.

BROWNS FERRY NUCLEAR PLANT QUARTERLY FISH IMPINGEMENT REPORT

TEST PERIOD FROM: TIME 0900 DATE 6-14-79 TO: TIME 0900 DATE 6-15-79

Screen	1AA	1AB	1BA	1BB	1CA	1CB	2AA	2AB	2BA	2BB	2CA	2CB	3AA	3AB	3BA	3BB	3CA	3CB	Total
Species																			
Shad and Herring	16	5	5		12	40	N.O.	N.O.	2	3	4	5	5	4	3	4	3	7	118
Catfish	3	1									1								5
Bass																			
Largemouth																			
Smallmouth																			
Spotted																			
Crappie	6	1							2						2		1		12
Sunfish	8	6	2	5	2	2			1	2	1	2	1		1	1	3	5	42
Drum	99	31	6	12	31	29			10	15	11	18	10	16	12	7	47	77	431
Other	26	2	1	1		13			1	2	1		5	2	4	4	6		68
Total	158	46	14	18	45	84			16	22	18	25	21	22	22	16	60	89	676

N. O. = Not in operation.

BROWNS FERRY NUCLEAR PLANT QUARTERLY FISH IMPINGEMENT REPORT

TEST PERIOD FROM: TIME 0900 DATE 6-20-79 TO: TIME 0900 DATE 6-21-79

Screen	1AA	1AB	1BA	1BB	1CA	1CB	2AA	2AB	2BA	2BB	2CA	2CB	3AA	3AB	3BA	3BB	3CA	3CB	Total
Species																			
Shad and Herring	2	1	1	2		1	N.O.	N.O.	1	1			3	1	1		N.O.	N.O.	14
Catfish	1			1															2
Bass																			
Largemouth																			
Smallmouth																			
Spotted																			
Crappie				1		2													3
Sunfish	2		2	3	2					1	1	1		1	2	1			16
Drum	64	18	8	15	15	19			6	9	28	22	10	36	18	23			291
Other	1		1		1				2		1		1	1	1				9
Total	70	19	12	22	18	22			9	11	30	23	14	39	22	24			335

N. O. = Not in operation.

BROWNS FERRY NUCLEAR PLANT QUARTERLY FISH IMPINGEMENT REPORT

TEST PERIOD FROM: TIME 0900 DATE 6-25-76 TO: TIME 0900 DATE 6-26-79

Screen	1AA	1AB	1BA	1BB	1CA	1CB	2AA	2AB	2BA	2BB	2CA	2CB	3AA	3AB	3BA	3BB	3CA	3CB	Total
Species																			
Shad and Herring	2		4	5	2	3	N.O.	N.O.	N.O.	N.O	N.O.	N.O.	3	13	18	10	10		70
Catfish	1																		1
Bass																			
Largemouth															1				1
Smallmouth																			
Spotted																			
Crappie	2	1														1	1	3	8
Sunfish		2	2	2	3	1							5		6	5	5	6	37
Drum	13	24	19	18	12	5							18	10	23		41	30	213
Other	3		1	1	2								1	1	1	4	3	2	19
Total	21	27	26	26	19	9							27	24	49	20	60	41	349

N. O. = Not in operation.