

NAME TENNESSEE VALLEY AUTHORITY
 ADDRESS 6411 E. BRAINERD RD
CHATTANOOGA, TENNESSEE 37421

TN0020168
 PERMIT NUMBER

102
 DISCHARGE NUMBER

YARD HOLDING POND

FACILITY WATTS BAR NUCLEAR PLANT
 LOCATION SPRING CITY, TENNESSEE

MONITORING PERIOD						
YEAR	MO	DAY	YEAR	MO	DAY	
88	04	01	88	04	30	
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)	

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT PERMIT REQUIREMENT	(3 Card Only) QUANTITY OR LOADING (46-53) (54-61)			(4 Card Only) QUALITY OR CONCENTRATION (38-45) (46-53) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
50050 MGD FLOW--MGD		1.40	6.84	MGD					0	18/30*	WEIR
00556 MG/L OIL GRSE--FREON--GR		NONE	NONE	B/DAY	NONE	NONE	NONE		0	2/7	INST
00530 MG/L RESIDUE--TOT NFLT		< 122.8	285.2	B/DAY	< 5.0	< 8.6	19.4		0	4/30	GR
00530 MG/L RESIDUE--TOT NFLT		NONE	NONE	B/DAY	NONE	15.00	20.00		0	1/7	GR
50060 MG/L CL2--RESIDUAL		187.6	1085.0	B/DAY	8.8	15.0	25.1		0	18/30	GR
50060 MG/L CL2--RESIDUAL		NONE	NONE	B/DAY	NONE	30.00	100.0	**	0	2/7	GR
39516 MG/L PCBS--WHL SMPL--TOT		NONE	NONE	B/DAY	NONE	NONE	1.000		0	1/DAY	GR
39516 MG/L PCBS--WHL SMPL--TOT		< 0.001	< 0.001	B/DAY	< 0.0001	< 0.0001	< 0.0001		0	1/180	GR
00403 S.U. PH--LAB		NONE	NONE	B/DAY	NONE	NONE	0.000		0	1/180	GR
00403 S.U. PH--LAB				B/DAY	7.2	8.1	8.9		0	145/30	GR
00010 Degrees C TEMP--WATER--C		NONE	NONE	B/DAY	6.000	NONE	9.000		0	1/DAY	GR
00010 Degrees C TEMP--WATER--C		8809010031 PDR R	880824 ADOCK 05000390 PNU	B/DAY	14.0	16.1	19.4		0	18/30	GR
00010 Degrees C TEMP--WATER--C		NONE	NONE	B/DAY	NONE	NONE	30.50		0	1/DAY	GR
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)							TELEPHONE		DATE	
M. PAUL SCMIERBACH MANAGER OF EQS TYPED OR PRINTED								615856-6601		88 08 15	
	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT							AREA CODE NUMBER		YEAR MO DAY	

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

LIMITATIONS AND MONITORING REQUIREMENTS FOR PH AND TOTAL RESIDUAL CHLORINE ARE APPLICABLE ONLY DURING PERIODS OF DIRECT DISCHARGE TO THE TENNESSEE RIVER. TEMPERATURE MONITORING REQUIRED ALSO.

* See attached daily flow log.

DAILY FLOW LOG DURING SPECIAL TESTING

April 1 - April 30, 1988

(All flows are mgd.)

DAY	DATE	YHP WEIR ^a (DSN 102)	SEGMENT 3 ^b (DSN 102)	TOTAL DSN ^c 102 FLOW	SEGMENT 2 ^d (CTBD)	SEGMENT 1 ^e (DSN 101)	EST. TOTAL ^f PLT. FLOW
Fri	4/01	0.28	ND	0.28	24.4	24.4	24.7
Sat	4/02	ND	ND	ND	24.4	24.4	24.4
Sun	4/03	ND	ND	ND	24.4	24.4	24.4
Mon	4/04	ND	ND	ND	24.4	24.4	24.4
Tues	4/05	1.55	ND	1.55	24.4	24.4	26.0
Wed	4/06	0.26	ND	0.26	24.4	24.4	24.7
Thur	4/07	1.98	ND	1.98	24.4	24.4	26.4
Fri	4/08	1.12	ND	1.12	24.4	24.4	25.5
Sat	4/09	ND	ND	ND	24.4	24.4	24.4
Sun	4/10	ND	ND	ND	24.4	24.4	24.4
Mon	4/11	0.86	ND	0.86	24.4	24.4	25.3
Tue	4/12	0.78	ND	0.78	24.4	24.4	25.2
Wed	4/13	0.77	ND	0.77	24.4	24.4	25.2
Thur	4/14	1.42	ND	1.42	24.4	24.4	25.8
Fri	4/15	1.67	ND	1.67	24.4	24.4	26.1
Sat	4/16	ND	ND	ND	24.4	24.4	24.4
Sun	4/17	ND	ND	ND	24.4	24.4	24.4
Mon	4/18	6.8	ND	6.8	24.4	24.4	31.2
Tues	4/19	4.4	ND	4.4	24.4	24.4	28.8
Wed	4/20	0.86	ND	0.86	24.4	24.4	25.3
Thur	4/21	ND	ND	ND	24.4	24.4	24.4
Fri	4/22	0.86	ND	0.86	24.4	24.4	25.3
Sat	4/23	ND	ND	ND	24.4	24.4	24.4
Sun	4/24	ND	ND	ND	24.4	24.4	24.4
Mon	4/25	0.71	ND	0.71	24.4	24.4	25.1
Tue	4/26	0.30	ND	0.30	24.4	24.4	24.7
Wed	4/27	ND	ND	ND	24.4	24.4	24.4
Thur	4/28	0.71	ND	0.71	24.4	24.4	25.1
Fri	4/29	0.48	ND	0.48	24.4	24.4	24.9
Sat	4/30	ND	ND	ND	24.4	24.4	24.4

^a From the operational logs of portable pumps used to pump across the weir during YHP drainage.

^b Segment 3 is the line from the yard holding pond (YHP) to the "T." Segment 2 is the line from the cooling towers to the "T," or the cooling tower blowdown line (CTBD). Segment 1 goes from the "T" to the diffusers. (Segments 2 and 3 tie together at the "T.")

^c Total DSN 102 flow (for DMR reporting) equals YHP weir flow plus segment 3 flow.

^d From ERCW and RCW pump logs.

^e Segment 1 flow equals sum of segment 2 and 3 flows.

^f Estimated total daily plant flow equals segment 1 flow plus YHP weir flow.