

Tennessee Valley Authority, Post Office Box 2000, Spring City, Tennessee 37381-2000

July 29, 1996

Tennessee Department of Environment & Conservation Division of Water Pollution Control Compliance Review Section Sixth Floor, L & C Annex 401 Church Street Nashville, Tennessee 37243-1534

Dear Sir:

WATTS BAR NUCLEAR PLANT (WBN) - NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT NUMBER TN0020168 - DISCHARGE MONITORING REPORT FOR JUNE 1996

Enclosed is the Discharge Monitoring Report for the month of June 1996, including the groundwater monitoring results. We have also included a 3-1/2 inch computer diskette with text files for April, May, and June DMRs. Please notify me of any formatting changes you might require. If you should have any questions or need additional information, please contact me at (423) 365-3325 at Watts Bar.

I certify under penalty of law that this document and all attachments were prepared under the direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Sincerely,

Odis E. Hickman, Jr.

Radwaste/Environmental Superintendent

Enclosures

cc (Enclosure--paper copies only):

Mr. R. E. Martin, Senior Project Manager U. S. Nuclear Regulatory Commission One White Flint North 11555 Rockville Pike Rockville, Maryland 20852 U.S. Nuclear Regulatory Commission

Attn: Document Control Desk Washington, D. C. 20555

7608070067 760630 PDR ADDCK 05000390 R PDR

Recip: R.E. Martin

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· WATTS BAR NUCEEAR PLANT

WELL NO. 1 GROUNDWATER MONITORING FY 1996



SODIUM AMMONIA PH TOTAL PHOSPORUS **DATCOL BORON** (S. U.) (ug/l) (mg/l)(mg/l)(mg/l)7.2 0.01 10/3/95 <200. 1800. 0.42 7.2 0.04 2200. 0.46 10/11/95 230. 7.4 0.04 <200. 2200. 0.48 10/17/95 <200. 2000. 0.48 7.6 0.01 10/25/95 2100. 7.3 0.02 11/1/95 <200. 0.5 11/8/95 <200. 1800. 0.3 7.3 < 0.01 11/15/95 220. 1900. 0.44 7.5 0.02 0.02 11/21/95 210. 1900. 0.49 7.6 7.3 < 0.01 11/28/95 <200. 2000. 0.41 <200. 0.45 7.3 0.01 12/6/95 2100. 12/13/95 200. 1900. 0.35 7.4 0.01 12/20/95 260. 2200. 0.49 7.7 0.01 12/26/95 240. 2100. 0.48 7.5 < 0.01 1/2/96 260. 2100. 0.48 7.2 < 0.01 1/10/96 290. 7.6 0.01 2100. 0.44 1/18/96 300. 350. 0.08 7.5 0.06 1/23/96 265. 2000. 0.57 7.5 < 0.01 290. 0.02 1/31/96 2500. 0.53 7.7 2/14/96 <200. 2500. 7.5 0.020.55 2/21/96 260. 2500. 0.57 7.7 0.02 2/27/96 290. 2400. 0.53 9.1* 0.06 3/5/96 290. 2500. 0.52 7.9 0.04 3/12/96 220. 1300. 0.29 7.4 0.02 250. 3/20/96 1900. 0.4 7.6 0.02 3/27/96 < 500. 2000. 0.49 7.4 0.07 4/2/96 290. 1900. 7.6 0.04 0.45 630. 4/9/96 <200. 0.13 7.4 0.03 <200. 7.4 4/16/96 2100. 0.48 0.01 4/24/96 240. 2200. 0.5 7.4 0.02 4/30/96 290. 2100. 0.48 7.3 0.02 7.6 5/7/96 340. < 0.01 2100. 0.52 5/14/96 280. 2300. 0.5 7.8 < 0.01 5/21/96 280. 2200. 0.56 7.6 0.02 5/28/96 200. 1700. 0.43 7.4 0.04 6/5/96 230. 1900. 0.44 7.7 0.03 0.035 6/11/96 210. 1900. 0.54 7.5 6/18/96 <200. 2000. 7.4 0.02 0.49 6/25/96 <200. 73. 0.03 7.3 0.04 MAX. 340. 2500 0.57 9.1 0.07

<200.

73

0.03

7.2

< 0.01

MIN.

^{*}pH Analytical Results For 2/27/96 Are Questionable

 Name
 TVA-WATTS BAR NUCLEAR PLANT

 Address
 P.O. BOX 2000

 (INTEROFFICE MOB 2U)

 SPRING CITY, TN
 37381

 Facility
 TVA-WATTS BAR NUCLEAR PLANT

 Location
 RHEA COUNTY

ATTN: O. ERSKIN HICKMAN Jr., ENV. MGR.

NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

TN0020168
PERMIT NUMBER

101 **G** Diffuser DISCHARGE NO.

Diffuser Discharge

Form Approved.

OMB No. 2030-0004

Approval Expires 10-31-94

(WBN-TVA MS Access Electronic version)

		٨	MONITO	PERIO)	_	
	YEAR	MO	DAY		YEAR	MO	DAY
From:	96	06	01	To:	96	06	30

PARAMETER		QUANT	TITY OR LOADING			QUALITY OR CONC	ENTRATION		NO. EX	FREQUENCY OF	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS		ANALYSIS	
TEMPERATURE, WATER DEG. CENTIGRADE	SAMPLE MEASUREMENT	* * * * * * *	* * * * * * *	**	* * * * * * *	*****	29	04	0	30 / 30	RCORDR
00010 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	****	*****	*****	****	35 DAILY MX	DEG. C		CONTIN UOUS	RCORDR
PH	SAMPLE MEASUREMENT	* * * * * * *	* * * * * * *	**	8.3	* * * * * * *	8.5	12	0	5 / 30	GRAB
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	****	*****	6.0 DAILY MN	******	9.0 DAILY MX	su		1/7	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	* * * * * * * *	* * * * * * *	**	* * * * * * *	9	11	19	0	4 / 30	GRAB
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	*****	*****	30 MO AVG	100 DAILY MX	MG/L		1/7	GRAB
OIL & GREASE FREON EXTR-GRAV METH	SAMPLE MEASUREMENT	* * * * * * *	* * * * * * *	**	******	< 5	< 5	19	0	4 / 30	GRAB
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	******	15 MO AVG	20 DAILY MX	MG/L		1/7	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	47.768	71.440	03	*****	*****	* * * * * * *	* *	0	30 / 30	RCORDR
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGD	*******	******	*****	*****		CONTIN	RCORDR
CHLORINE, TOTAL RESIDUAL	SAMPLE MEASUREMENT	* * * * * * *	*****	* *	*****	* * * * * * *	0.09	19	0	80 / 30	M-GRAB
50060 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	0.10 DAILY MX	MG/L		5/7	M-GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
NAME/TITLE PRINCIPAL EXECUTIVE OFF		ER PENALTY OF LAW THI THE INFORMATION SUI				. /		TELEPH	ONE]	DATE
JOHN A. SCALICE SITE VICE PRESIDENT	BELIEVE THE S AWARE THAT T	UALS IMMEDIATELY RESUBMITTED INFORMATION HERE ARE SIGNIFICANT INCLUDING THE POSSIB	ON IS TRUE, ACCURATI TPENALTIES FOR SUB	E AND COMPLE	ETE. IAM . U.S	SECRMON BATURE OF PRINCIPA	. EXECUTIVE	423 365	5-3325	5 96	07 23
TYPED OR PRINTED COMMENT AND EXPLANATION OF ANY V	U.S.C. 1001 Af \$10,000 and or i	ND 33 U.S.C. 1319, (Per maximum imprisonment of	nalties under these statu between 6 months and	tes may include		FFICER OR AUTHOR		AREA NU	IMBER	YEAR	MO DA

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

At the request of TDEC's Chattanooga Field Office, this discharge was sampled for ammonia (storet code 00610) 4 times during the release of DSN 107 (Unlined Pond). Results were 0.02; -0.10; 0.08; and 0.21 mg/l.

 Name
 TVA-WATTS BAR NUCLEAR PLANT

 Address
 P.O. BOX 2000

 (INTEROFFICE MOB 2U)

 SPRING CITY, TN
 37381

 Facility
 TVA-WATTS BAR NUCLEAR PLANT

 Location
 RHEA COUNTY

ATTN: O. ERSKIN HICKMAN Jr., ENV. MGR.

NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

TN0020168
PERMIT NUMBER

102 **G**DISCHARGE NO.

Yard Holding Pond Emergency Overflow Weir Form Approved.

OMB No. 2030-0004

Approval Expires 10-31-94

(WBN-TVA MS Access Electronic version)

	MONITORING PERIOD										
	YEAR	MO	DAY		YEAR	MO	DAY				
From:	96	06	01	To:	96	06	30				

PARAMETER		QUAN'	TITY OR LOADING			QUALITY OR CONC	ENTRATION		NO. EX	FREQUENC OF	TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS		ANALYSIS	
TEMPERATURE, WATER DEG. CENTIGRADE	SAMPLE MEASUREMENT	*****	* * * * * * *	* *	* * * * * * *	*****	No Discharge	04	0	0 / 3	NATAN
00010 1 0 0 FFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	40 DAILY MX	DEG. C		1/1	INSTAN
PH .	SAMPLE MEASUREMENT	*****	* * * * * * *	* *	No Discharge	*****	No Discharge	12	0	0 / 3) GRAB
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	*****	6.0 MINIMUM	* * * * * * * * *	9.0 MAXIMUM	su		1/7	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	* * * * * * *	* *	*****	No Discharge	No Discharge	19	0	0 / 3	GRAB
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	******	*****	******	30 MO AVG	100 DAILY MX	MG/L		1/7	GRAB
DIL & GREASE FREON EXTR-GRAV	SAMPLE MEASUREMENT	*****	*****	* *	*****	No Discharge	No Discharge	19	0	0 / 3	0 GRAB
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****		*****	******	15 MO AVG	20 DAILY MX	MG/L		1/7	GRAB
LOW, IN CONDUIT OR THRU REATMENT PLANT	SAMPLE MEASUREMENT	No Discharge	No Discharge	03	* * * * * * *	*****	*****	* *	0	0 / 3	O GRAB
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGD	******	*****	*****	****		1/1	GRAB
CHLORINE, TOTAL RESIDUAL	SAMPLE MEASUREMENT	* * * * * * *	* * * * * * *	* *	*****	*****	No Discharge	19	0	0 / 3	0 M-GRA
50060 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	* * * * * * * *	*****	****	******	0.10 DAILY MX	MG/L		5/7	M-GRA
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
NAME/TITLE PRINCIPAL EXECUTIVE OFF	FAMILIAR WITH	I THE INFORMATION SU	BMITTED HEREIN AND	BASED ON M	Y INQUIRY OF	. /	<u></u>	TELEPH	IONE		DATE
, JOHN A. SCALICE	BELIEVE THE S	DUALS IMMEDIATELY RE SUBMITTED INFORMATION THERE ARE SIGNIFICAN	ON IS TRUE, ACCURATE	AND COMPL	ETE. I AM 📗 🥒 🤇	E. Hickme	endi.	423 36	5-332	5 96	07 2
SITE VICE PRESIDENT	INFORMATION U.S.C. 1001 A	INCLUDING THE POSSI ND 33 U.S.C. 1319. (Pei	BILITY OF FINES AND IN naities under these statut	MPRISONMEN es may include	T. SEE 18 SIGN	IATURE OF PRINCIP FFICER OR AUTHOR	AL EXECUTIVE	AREA NI	JMBER		MO D
. TYPED OR PRINTED COMMENT AND EXPLANATION OF ANY V		maximum imprisonment o		o years.)	<u> </u>			CODE			

Name	TVA-WATTS BAR NUCLEAR PLANT
Address	P.O. BOX 2000
	(INTEROFFICE MOB 2U)
	SPRING CITY, TN 37381
Facility	TVA-WATTS BAR NUCLEAR PLANT
Location	RHEA COUNTY

ATTN: O. ERSKIN HICKMAN Jr., ENV. MGR.

NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

TN0020168 PERMIT NUMBER

Low Vol. Waste 103 G Treatment Pond DISCHARGE NO

Form Approved. OMB No. 2030-0004 Approval Expires 10-31-94

(WBN-TVA MS Access Electronic version)

MONITORING PERIOD YEAR MO DAY From: 96 06 01

MO DAY YEAR 06 To: | 96 30

FREQUENCY QUANTITY OR LOADING QUALITY OR CONCENTRATION NO. SAMPLE PARAMETER ΕX OF TYPE ANALYSIS UNITS AVERAGE MAXIMUM UNITS MINIMUM **AVERAGE MAXIMUM** 9 / 30 GRAB SAMPLE * 12 6.1 8.6 MEASUREMENT SU 3/7 GRAB **** 00400 1 0 0 PERMIT ***** 6.0 9.0 REQUIREMENT EFFLUENT GROSS VALUE DAILY MN DAILY MX 2 / 30 GRAB SAMPLE 26 * * * * * * * 20 19 SOLIDS, TOTAL SUSPENDED 144 15 108 **MEASUREMENT** 1/7 GRAB MG/L LBS/DAY * * * * * * * 100 PERMIT 834 30 00530 1 0 0 250 REQUIREMENT EFFLUENT GROSS VALUE MO AVG DAILY MAX MO AVG DAILY MX 2 / 30 GRAB OIL & GREASE FREON EXTR-GRAV SAMPLE 26 * * * * * * * < 5 < 5 19 0 < 36 < 36 **MEASUREMENT** METH ***** 1/7 GRAB MG/L PERMIT LBS/DAY 15 20 00556 1 0 0 125 167 REQUIREMENT EFFLUENT GROSS VALUE MO AVG DAILY MAX MO AVG DAILY MX 0 / 30 GRAB * * * * * * * ALUMINUM SAMPLE * * * * * * * * * * * * * * * Conditional / 19 MEASUREMENT NR this MP ***** **** 5/7 GRAB PERMIT ***** 10 MG/L 01105 1 0 0 REQUIREMENT EFFLUENT GROSS VALUE DAILY MX 5 / 30 PMPLOG * * * * * * * SAMPLE 03 * * * * * * * * FLOW, IN CONDUIT OR THRU 0.860 0.860 MEASUREMENT TREATMENT PLANT **PERMIT** MGD * * * * * * * ***** 1/1 PMPLOG 50050 1 0 0 REPORT REPORT REQUIREMENT EFFLUENT GROSS VALUE MO AVG DAILY MX SAMPLE MEASUREMENT PERMIT REQUIREMENT SAMPLE MEASUREMENT PERMIT REQUIREMENT NAME/TITLE PRINCIPAL EXECUTIVE OFFICER | CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM **TELEPHONE** DATE FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I JOHN A. SCALICE BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM 365-3325 96 07 23 423 AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE SITE VICE PRESIDENT INFORMATION INCLUDING THE POSSIBILITY OF FINES AND IMPRISONMENT. SEE 18 SIGNATURE OF PRINCIPAL EXECUTIVE U.S.C. 1001 AND 33 U.S.C. 1319. (Penalties under these statutes may include fines up to OFFICER OR AUTHORIZED AGENT AREA NUMBER YEAR MO DAY TYPED OR PRINTED \$10,000 and or maximum imprisonment of between 6 months and 5 years.)

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

EPA Form 3320-1 (Rev. 9-88)

Carbon dioxide used to prevent pH excursions during discharge. When TBSS is discharged directly to the yard holding pond, the sump effluent shall be monitored for pH, TSS, and O&G 5/week . . Aluminum analyses are only applicable when the alum sludge ponds are discharged to points other than the LVWTP. Discharged LVWTP 5 days in June.

(REPLACES EPA FORM T-40 WHICH MAY NOT BE USED)

 Name
 TVA-WATTS BAR NUCLEAR PLANT

 Address
 P.O. BOX 2000

 (INTEROFFICE MOB 2U)

 SPRING CITY, TN 37381

 Facility
 TVA-WATTS BAR NUCLEAR PLANT

 Location
 RHEA COUNTY

ATTN: O. ERSKIN HICKMAN Jr., ENV. MGR.

NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

TN0020168
PERMIT NUMBER

107 **G**DISCHARGE NO.

Metal Cleaning Waste Pond Form Approved.

OMB No. 2030-0004

Approval Expires 10-31-94

(WBN-TVA MS Access Electronic version)

			IONITO	PERIOD			
	YEAR	MO	DAY		YEAR	MO	DAY
From:	96	06	01	To:	96	06	30

PARAMETER		QUANT	TITY OR LOADING			QUALITY OR CONC	ENTRATION		NO. EX	FREQUEN OF	TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS		ANALYS	IS
PH	SAMPLE MEASUREMENT	* * * * * * *	* * * * * * *	* *	6.8	*****	8.4	12	0	3 / 3	30 GRAB
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	*****	*****	6.0 DAILY MN	******	9.0 DAILY MX	sυ		1/1	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	* * * * * * *	* * * * * * *	* *	* * * * * * *	*****	14	19	0	2 / :	30 СОМРОЯ
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	******	*****	30 DAILY MX	MG/L		1/1	СОМРОЯ
OIL & GREASE FREON EXTR-GRAV METH	SAMPLE MEASUREMENT	*****	*****	**	*****	*****	< 5	19	0	2 / 3	30 GRAB
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	******	*****	*****	******	15 DAILY MX	MG/L		1/1	GRAB
PHOSPHORUS, TOTAL (AS P)	SAMPLE MEASUREMENT	* * * * * * *	* * * * * * *	* *	*****	*****	Conditional / NR this MP	19	0	0 / :	30 СОМРО
00665 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	******	*****	******	*****	1.0 DAILY MX	MG/L		1/1	СОМРОЗ
COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	* * * * * * *	* * * * * * *	* *	******	*****	0.02	19	0	2 /	30 СОМРО
01042 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	******	******	1.0 DAILY MX	MG/L		1/1	СОМРО
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	* * * * * * *	* * * * * * *	**	*****	*****	0.99	19	0	2 /	30 СОМРО
01045 1 0 0 EFFLUENT GROSS VALUE	PÈRMIT REQUIREMENT	******	******	*****	****	*****	1.0 DAILY MX	MG/L		1/1	СОМРО
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	1.354	2.510	03	*****	* * * * * * *	* * * * * * *	**	0	2 /	30 CALCTD
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGD	*****	*****	*****	*****		1/1	CALCTD
NAME/TITLE PRINCIPAL EXECUTIVE OFF	FAMILIAR WITH	THE INFORMATION SUI	BMITTED HEREIN AND	BASED ON M	Y INQUIRY OF			TELEPH	ONE		DATE
, JOHN A. SCALICE SITE VICE PRESIDENT	BELIEVE THE S AWARE THAT T	UALS IMMEDIATELY RE: UBMITTED INFORMATIC HERE ARE SIGNIFICANT INCLUDING THE POSSIE	ON IS TRUE, ACCURATI T PENALTIES FOR SUB	E AND COMPLIMITTING FALS	ETE. IAM DE	- LICKIN NATURE OF PRINCIP	and.	423 365	5-332	5 96	07 23
. TYPED OR PRINTED COMMENT AND EXPLANATION OF ANY V	U.S.C. 1001 At \$10,000 and or s	ND 33 U.S.C. 1319. (Per naximum imprisonment of	nalties under these statu f between 6 months and	tes may include	0.01	FFICER OR AUTHOR	RIZEDAGENT	AREA NL	JMBER	YEAF	R MO DA

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

No phosphorous containing cleaning solutions have been used since the last release of this pond.

NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different) DISCHARGE MONITORING REPORT (DMR) Form Approved. TVA-WATTS BAR NUCLEAR PLANT TN0020168 Address P.O. BOX 2000 111 G Combined Sewage OMB No. 2030-0004 (INTEROFFICE MOB 2U) Treatment Plants PERMIT NUMBER DISCHARGE NO. SPRING CITY, TN 37381 Approval Expires 10-31-94 TVA-WATTS BAR NUCLEAR PLANT Facility (WBN-TVA MS Access Electronic version) MONITORING PERIOD Location RHEA COUNTY YEAR MO DAY YEAR MO DAY From: 96 06 01 To: 96 06 30 ATTN: O. ERSKIN HICKMAN Jr., ENV. MGR. PARAMETER QUANTITY OR LOADING QUALITY OR CONCENTRATION NO. FREQUENCY SAMPLE OF TYPE EX **ANALYSIS** UNITS **AVERAGE** MAXIMUM UNITS **AVERAGE** MAXIMUM MINIMUM * * * * * * * * 5 / 30 GRAB BOD, 5-DAY (20 DEG, C) SAMPLE * * * * * * * * * * * * * * * * < 5 13 19 MEASUREMENT PERMIT ***** ***** MG/L 1/7 GRAB 00310 1 0 0 30 45 REQUIREMENT EFFLUENT GROSS VALUE MO AVG DAILY MX SAMPLE * 19 4 / 30 GRAB SOLIDS, TOTAL SUSPENDED < 3 7 MEASUREMENT PERMIT ***** ***** MG/L 1/7 GRAB 00530 1 0 0 30 45 REQUIREMENT EFFLUENT GROSS VALUE MO AVG DAILY MX SAMPLE * * * * * * * * 22 / 30 GRAB SOLIDS, SETTLEABLE * < 0.125 **MEASUREMENT** PERMIT ML/L 2/7 ****** ***** GRAB 00545 1 0 ***** * * * * * * * * 1.0 REQUIREMENT EFFLUENT GROSS VALUE DAILY MX SAMPLE * 13 5 / 30 GRAB COLIFORM, FECAL < 3276 MEASUREMENT PERMIT ****** ***** ***** N/100ML 1/7 GRAB 31616 1 0 0 200 1000 REQUIREMENT EFFLUENT GROSS VALUE MO AVG DAILY MX * * * * * * * * * * * * * * * * FLOW, IN CONDUIT OR THRU SAMPLE 03 ****** 30 / 30 RCORDR 0.027 0.061 MEASUREMENT TREATMENT PLANT 50050 1 0 0 PERMIT REPORT REPORT MGD ***** ***** ***** CONTIN RCORDR REQUIREMENT uous EFFLUENT GROSS VALUE MO AVG DAILY MX CHLORINE, TOTAL RESIDUAL SAMPLE * 19 25 / 30 GRAB * * * * * * * * 0.7 **MEASUREMENT** ***** 50060 1 0 0 PERMIT ****** ***** ***** ***** 2.0 MG/L 5/7 GRAB REQUIREMENT EFFLUENT GROSS VALUE DAILY MX SAMPLE MEASUREMENT PERMIT REQUIREMENT NAME/TITLE PRINCIPAL EXECUTIVE OFFICER I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM TELEPHONE DATE FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF , JOHN A. SCALICE THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I

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

Previous editions may be used.

BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM

INFORMATION INCLUDING THE POSSIBILITY OF FINES AND IMPRISONMENT. SEE 18

U.S.C. 1001 AND 33 U.S.C. 1319. (Penalties under these statutes may include fines up to

AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE

\$10,000 and or maximum imprisonment of between 6 months and 5 years.)

96

YEAR

07

MO

23

DAY

423

AREA

CODE

SIGNATURE OF PRINCIPAL EXECUTIVE

OFFICER OR AUTHORIZED & GENT

365-3325

NUMBER

SITE VICE PRESIDENT

TYPED OR PRINTED

NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different) DISCHARGE MONITORING REPORT (DMR) TVA-WATTS BAR NUCLEAR PLANT Form Approved. Name Address P.O. BOX 2000 TN0020168 112 G Runoff Holding Pond OMB No. 2030-0004 (INTEROFFICE MOB 2U) PERMIT NUMBER DISCHARGE NO. SPRING CITY, TN 37381 Approval Expires 10-31-94 TVA-WATTS BAR NUCLEAR PLANT Facility (WBN-TVA MS Access Electronic version) MONITORING PERIOD Location RHEA COUNTY YEAR | MO DAY YEAR MO DAY ATTN: O. ERSKIN HICKMAN Jr., ENV. MGR. From: 96 06 01 To: 96 06 30 FREQUENCY QUANTITY OR LOADING PARAMETER QUALITY OR CONCENTRATION NO. SAMPLE OF EΧ TYPE ANALYSIS AVERAGE MAXIMUM UNITS MINIMUM **AVERAGE** MAXIMUM UNITS SAMPLE * * * * * * * * * OXYGEN. * 19 5 / 30 GRAB 6.3 0 MEASUREMENT DISSOLVED (DO) 00300 1 0 PERMIT ****** ***** ***** ***** ***** MG/L 1/7 GRAB 5.0 REQUIREMENT EFFLUENT GROSS VALUE DAILY MN РН SAMPLE * * * * * * * * 5 / 30 GRAB * * * * * * * * * * * * * * * * 12 7.1 8.1 **MEASUREMENT** 00400 1 0 0 PERMIT ****** ****** ****** SU 1/7 GRAB 6.0 9.5 REQUIREMENT EFFLUENT GROSS VALUE DAILY MN DAILY MX SAMPLE * * * * * * * SOLIDS, TOTAL SUSPENDED * * * * * * * * 19 5 / 30 GRAB 12 17 MEASUREMENT 00530 1 0 0 PERMIT ****** 30 MG/L 1/7 GRAB 100 REQUIREMENT EFFLUENT GROSS VALUE MO AVG DAILY MX NITROGEN, AMMONIA TOTAL (AS SAMPLE * * * * * * * * 5 / 30 GRAB 19 0.4 0.5 MEASUREMENT PERMIT ***** 1/7 00610 1 0 0 ***** * * * * * * * * 5.0 12 MG/L GRAB REQUIREMENT EFFLUENT GROSS VALUE MO AVG **INST MAX** FLOW, IN CONDUIT OR THRU SAMPLE * * * * * * * * * * * * * * * 03 * * * * * * * * 5 / 30 INSTAN 0.343 0.653 MEASUREMENT TREATMENT PLANT 50050 1 0 0 PERMIT MGD * * * * * * * ***** 1/7 ***** ***** INSTAN REPORT REPORT

REQUIREMENT NAME/TITLE PRINCIPAL EXECUTIVE OFFICER | CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM JOHN A. SCALICE SITE VICE PRESIDENT

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 FINES 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.)

DAILY MX

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

< 0.1

.011

WEEKLY AVG INST MAX

TE	LEPHONE	DATE					
423	423 365-3325		07	23			
AREA CODE	NUMBER	YEAR	МО	DAY			

1/7

19

MG/L

< 0.1

.019

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

. TYPED OR PRINTED

EFFLUENT GROSS VALUE

FFFLUENT GROSS VALUE

;50060 1 0 0

CHLORINE, TOTAL RESIDUAL

REQUIREMENT

SAMPLE

MEASUREMENT PERMIT

REQUIREMENT

SAMPLE MEASUREMENT PERMIT

MO AVG

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5 / 30 GRAB

GRAB