

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

December 19, 1995

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 NOVEMBER 1995

Enclosed is the Discharge Monitoring Report and the Ground Water Monitoring Report for the month of November 1995. If you should have any questions or need additional information, please contact me at (615) 365-8116 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,

V. J. Shanks

Radwaste/Environmental Superintendent

**Enclosures** 

cc (Enclosures):

Mr. Philip L. Stewart, Manager Division of Water Pollution Control Chattanooga Field Office Suite 550 540 McCallie Avenue Chattanooga, Tennessee 37402 Mr. P. S. Tam, 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

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 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

nt)

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

MONITORING PERIOD

YEAR MO

TN0020168
PERMIT NUMBER

MO DAY

From: 95 11 01 To: 95

101 **G** Diffuser Discharge DISCHARGE NO.

DAY

30

Form Approved.

OMB No. 2030-0004

Approval Expires 10-31-94 -

(WBN-TVA MS Access Electronic version)

ATTN: VERNON J. SHANKS, ENV. MGR.

PARAMETER		QUAN	TITY OR LOADING			QUALITY OR CONC	ENTRATION		NO.	FREQUEN	
							T		EX	OF ANALYS	S TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
TEMPERATURE, WATER DEG. CENTIGRADE	SAMPLE MEASUREMENT	******	*****	**	*****	*****	18	04	0	29 / 3	RCORDR
00010 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*******	******	*****	*******	****	35 DAILY MX	DEG. 0	>	CONTIN	RCORDR
РН	SAMPLE MEASUREMENT	******	*****	**	7.5	*****	8.3	12	0	6 / 3	GRAB
00400 1 0 0	PERMIT	******	******	*****	6.0	******	9.0	su		1/7	GRAB.
EFFLUENT GROSS VALUE	REQUIREMENT				DAILY MN		DAILY MX				
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	* * * * * * *	**	******	6	6	19	0	4 / 3	GRAB
00530 1 0 0	PERMIT	******	******	*****	******	30	100	MG/L		1/7	GRAB
EFFLUENT GROSS VALUE	REQUIREMENT					MO AVG	DAILY MX				
OIL & GREASE FREON EXTR-GRAV METH	SAMPLE MEASUREMENT	* * * * * * *	* * * * * * *	**	*****	<5	<5	19	0	4 / 3	30 GRAB
00556 1 0 0	PERMIT	******	******	*****	******	15	20	MG/L		1/7	GRAB
EFFLUENT GROSS VALUE	REQUIREMENT					MO AVG	DAILY MX				
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	29.046	51.551	03	*****	******	******	**	0	29 / 3	30 RCORDR
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGD	******	******	*******	*****	*	CONTIN UOUS	RCORDR
CHLORINE, TOTAL RESIDUAL	SAMPLE MEASUREMENT	******	* * * * * * *	**	*****	******	0.06	19	0	88 / 3	M-GRAB
50060 1 0 0	PERMIT	******	******	*****	*******	*******	0.10	MG/L		5/7	M-GRAB
EFFLUENT GROSS VALUE	REQUIREMENT						DAILY MX				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT				A Committee						
NAME/TITLE PRINCIPAL EXECUTIVE OFF	ICER I CERTIFY UND	ER PENALTY OF LAW T I THE INFORMATION SU	HAT I HAVE PERSONAL JBMITTED HEREIN AND	LY EXAMINED BASED ON M	O AND AM Y INQUIRY OF	_		TELEF	HONE		DATE
JOHN A. SCALICE	THOSE INDIVID	UALS IMMEDIATELY RE UBMITTED INFORMATION HERE ARE SIGNIFICAN	ESPONSIBLE FOR OBTA ON IS TRUE, ACCURAT	AINING THE IN E AND COMPL	FORMATION I LETE. I AM	A. Shan	uh	615 3	65-811	6 95	12 13
SITE VICE PRESIDENT	INFORMATION	INCLUDING THE POSSI ID 33 U.S.C. 1319. (Pe	BILITY OF FINES AND I	MPRISONMEN	IT. SEE 18 SIGN	IATURE OF PRINCIP		AREA	NUMBER	YEAR	MO DA
TYPED OR PRINTED		maximum imprisonment o				V 5		CODE		LAN	

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
No Diffuser Discharge on 11-22-95

 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

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

MONITORING PERIOD

To: 95

YEAR MO

11

DAY

01

TN0020168
PERMIT NUMBER

11

YEAR MO

95

From:

102 **G**DISCHARGE NO.

Yard Holding Pond
Emergency Overflow
Weir

DAY

30

Form Approved.

OMB No. 2030-0004

Approval Expires 10-31-94.

(WBN-TVA MS Access Electronic version)

ATTN: VERNON J. SHANKS, ENV. MGR.

PARAMETER		QUAN	ITITY OR LOADING			QUALITY OR CONC	ENTRATION		NO.	FREC	QUENCY	SAMPLE
•				·					EX		OF ALYSIS	TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS		ANA	ALTOIS	
TEMPERATURE, WATER DEG. CENTIGRADE	SAMPLE MEASUREMENT	******	******	**	******	******	No Discharge	04	0	0	/ 30	INSTAN
00010 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	*******	*****	*******	*******	40 DAILY MX	DEG. C	;	1/1		INSTAN:
РН	SAMPLE MEASUREMENT	******	******	**	No Discharge	******	No Discharge	12	0	0	/ 30	GRAB
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	*****	6.0 MINIMUM	*******	9.0 MAXIMUM	รบ		1/7		GRAB -
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	******	*****	**	******	No Discharge	No Discharge	19	0	0	/ 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	* * * * * * *	*****	**	*****	No Discharge	No Discharge	19	0	0	/ 30	GRAB
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT		******	*****	*****	15 MO AVG	20 DAILÝ MX	MG/L		1/7		GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	No Discharge	No Discharge	03	*****	*****	******	**	0	0	/ 30	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	/ 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			HAT I HAVE PERSONAL					TELEP	HONE		D	ATE
JOHN A. SCALICE	THOSE INDIVIDUAL BELIEVE THE S	DUALS IMMEDIATELY RESUBMITTED INFORMATION	JBMITTED HEREIN AND ESPONSIBLE FOR OBTA ON IS TRUE, ACCURATE IT PENALTIES FOR SUBI	INING THE INI	FORMATION I ETE. I AM	1.0.1h	wh -	615 3	65-8110	6	95	12 13
SITE VICE PRESIDENT  TYPED OR PRINTED	INFORMATION U.S.C. 1001 A	INCLUDING THE POSSI ND 33 U.S.C. 1319. (Pe	BILITY OF FINES AND IN enalties under these statut of between 6 months and 9	MPRISONMEN es may include	T. SEE 18 SIGN	ATURE OF PRINCIPA	AL EXECUTIVE IZED AGENT	AREA N	UMBER			MO DAY
TTPED OR PRINTED	a to,ooo and or	maximum imprisonment c	n between a months and :	o years.)	1	V		CODE		1	1	- 1

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

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

AT

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

TN0020168 PERMIT NUMBER

103 G Low Vol. Waste Treatment Pond DISCHARGE NO.

Form Approved. OMB No. 2030-0004

Approval Expires 10-31-94,

(WBN-TVA MS Access Electronic version)

cation RHEA COUNTY			N	10NITO	RING	PERIO	) .		ı
	Y	'EAR	МО	DAY		YEAR	МО	DAY	l
TTN: VERNON J. SHANKS, ENV. MGR.	From:	95	11	01	To:	95	11	30	
PARAMETER	QUANTITY OR LOA	DING					QUAI	LITY OR	(

PARAMETER		QUANTITY OR LOADING QUALITY OR CONCENTRATIO				ENTRATION		NO. EX	FREQUENC OF	TYPE	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS		ANALYSIS	
РН	SAMPLE MEASUREMENT	******	******	**	8.0	*****	8.4	12	0	6 / 3	GRAB
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT		*******	*****	6.0 DAILY MN		9.0 DAILY MX	SU.		3/7	GRAB .
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	50	57	26	*****	7	8	19	0	2 / 3	GRAB
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	250 MO AVG	834 DAILY MAX	LBS/DAY		30 MO AVG	100 DAILY MX	MG/L		1/7	GRAB
OIL & GREASE FREON EXTR-GRAV METH	SAMPLE MEASUREMENT	<36	<36	26	*****	< 5	<5	19 .	0	2 / 30	GRAB
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	125 MO AVG	167 DAILY MAX	LBS/DAY	*******	15 MO AVG	20 DAILY MX	(C:12)		1/7 🚊 🚈	GRAB
ALUMINUM	SAMPLE MEASUREMENT	******	*****	**	*****	*****	Conditional . NR this MP		0	0 / 30	GRAB
01105 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT			*****	******		10 DAILY MX	MG/L		5/7	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.857	0.857	03	*****	*****	******	**	0	10 / 30	PMPLOG
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGD	*******			*****	14816 52.1	1/1/	PMPLOG
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT								38(1)(3) 3.286	mperscript, 5 2008	
	PERMIT REQUIREMENT										
NAME/TITLE PRINCIPAL EXECUTIVE OFFI			HAT I HAVE PERSONAL IBMITTED HEREIN AND			er I and a line and a	s a su mental a processo de la proce	TELEPH	ONE		DATE
JOHN A. SCALICE SITE VICE PRESIDENT	THOSE INDIVIDI BELIEVE THE SI AWARE THAT T	UALS IMMEDIATELY RE UBMITTED INFORMATION HERE ARE SIGNIFICAN	SPONSIBLE FOR OBTA ON IS TRUE, ACCURATE T PENALTIES FOR SUBI	INING THE INF E AND COMPLI MITTING FALS	FORMATION I ETE. I AM SE	11/1/	nh	615 36	5-8116	95	12 13
TYPED OR PRINTED	U.S.C. 1001 AN	ID 33 U.S.C. 1319. (Pe	BILITY OF FINES AND IN nalties under these statut of between 6 months and	es may include	0.0	NATORE OF PRINCIP OFFICER OR AUTHOR		AREA NI	JMBER	YEAR	MO DAY

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

If the TBSS is discharged directly to the yard holding pond, the sump effluent shall be subject to the limitations for pH, TSS, and O&G and monitored 5/week under DSN 103. Aluminum analyses are only applicable when effluent from the alum sludge ponds is discharged to points other than the low volume waste treatment pond. Discharged 10 days in November.

PERMITTE	E NAME/ADDRESS (Include Pacinty Name/Location it different)	
Name	TVA-WATTS BAR NUCLEAR PLANT	
Address	P.O. BOX 2000	
	(INTEROFFICE MOB 2U)	
	SPRING CITY, TN 37381	
Facility	TVA-WATTS BAR NUCLEAR PLANT	

ATTN: VERNON J. SHANKS, ENV. MGR.

Location RHEA COUNTY

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

TN0020168 PERMIT NUMBER

107 **G** Pond DISCHARGE NO.

Metal Cleaning Waste

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:	95	11	01	To:	95	11	30					

PARAMETER		QUAN	ITITY OR LOADING			QUALITY OR CONC	CENTRATION		NO. EX	FREQU		SAMPLE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS		ANAL	YSIS	2
РН	SAMPLE MEASUREMENT	. * * * * * * *	*****	**	8.7	*****	8.8	12	0	2 /	30	GRAB
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*******	*****	6.0 DAILY MN	******	9.0 DAILY MX	SU		1/1		GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****	**	*****	*****	11	19	0	1 /	30	сомроѕ
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	******	*****	******	*******	30 DAILY MX	MG/L		1/1	-	COMPOS
OIL & GREASE FREON EXTR-GRAV METH	SAMPLE MEASUREMENT	******	******	**	* * * * * * *	* * * * * * *	<5	19	0	1 /	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 A	19	0	0 /	30	COMPOS
00665 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	****	*******	*******	1.0 DAILY MX	MG/L		1/1		COMPOS
COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	*****	******	**	******	******	< 0.01	19	0	2 /	30	COMPOS
01042 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*******	*******	*****	*******	******	1.0 DAILY MX	MG/L		1/1/		COMPOS
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	*****	*****	**	******	******	0.36	19	0	2 /	30	COMPOS
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	*****	*******	*******	1.0 DAILY MX	MG/L		1/1		COMPOS
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	2.925	2.925	03	******	******	******	**	0	1 /	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 SU	IBMITTED HEREIN AND	BASED ON MY	/ INQUIRY OF			TELEPH	ONE		D	ATE
JOHN A. SCALICE SITE VICE PRESIDENT	THOSE INDIVID BELIEVE THE S AWARE THAT T INFORMATION	UALS IMMEDIATELY RE UBMITTED INFORMATION HERE ARE SIGNIFICAN INCLUDING THE POSSI	SPONSIBLE FOR OBTA ON IS TRUE, ACCURATE IT PENALTIES FOR SUB BILITY OF FINES AND IN Inalties under these statut	JINING THE INF E AND COMPLI MITTING FALS MPRISONMEN	FORMATION I ETE. I AM SE T. SEE 18 SIGN	ATURE OF PRINCIP			5-8116			12 13
TYPED OR PRINTED	\$10,000 and or n	maximum imprisonment o	of between 6 months and	5 years.)	ines up to Ot	FIGER OR AUTHOR	IZED AGENT	AREA NU	JMBER	YEA	AR M	MO DAY

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

No Phosphorous containing cleaning solutions have been discharged to this pond since its last release.

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: VERNON J. SHANKS, ENV. MGR.

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

TN0020168 PERMIT NUMBER

111 G Combined Sewage Treatment Plants DISCHARGE NO.

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:	95	11	01	To:	95	11	30					

PARAMETER		QUANTITY OR LOADING QUALITY OR CONCENTRATION					NO.	FREQUENC	TYPE		
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS		ANALYSIS	-
BOD, 5-DAY (20 DEG. C)	SAMPLE MEASUREMENT	* * * * * * *	******	**	* * * * * * *	<2	3	19	0	5 / 3	0 GRAB
00310 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	*****		30 MO AVG	45 DAILY MX	MG/L		1/7	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	* * * * * * *	*****	**	******	<2	4	19	0	5 / 3	O GRAB
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT		******	*****	*******	30 MO AVG	45 DAILY MX	MG/L		1/7	GRAB
SOLIDS, SETTLEABLE	SAMPLE MEASUREMENT	*****	*****	**	*****	*****	< 0.1	25	0	22 / 3	O GRAB
00545 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	*****	******	******	1.0 DAILY MX	ML/L		2/7	GRAB
COLIFORM, FECAL	SAMPLE MEASUREMENT	*****	*****	**	*****	40	63	13	0	5 / 3	O GRAB
31616 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	*****	*****	200 MO AVG	1000 DAILY MX	N/100ML		1/7	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.035	0.090	03	*****	*****	*****	**	0	30 / 3	RCORDR
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGĐ	******	******		*****		CONTIN UOUS	RCORDR
CHLORINE, TOTAL RESIDUAL	SAMPLE MEASUREMENT	*****	*****	**	*****	*****	0.4	19	0	22 / 3	O GRAB
50060 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT		******	*****	*******	******	2:0 DAILY MX	MG/L		5/7	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
NAME/TITLE PRINCIPAL EXECUTIVE OFF	CER I CERTIFY UND	ER PENALTY OF LAW T THE INFORMATION SU	HAT I HAVE PERSONAL JBMITTED HEREIN AND	LY EXAMINED BASED ON M	AND AM Y INQUIRY OF			TELEPHO	ONE		DATE
JOHN A. SCALICE SITE VICE PRESIDENT	BELIEVE THE S AWARE THAT T	UBMITTED INFORMATION HERE ARE SIGNIFICAN	ESPONSIBLE FOR OBTA ON IS TRUE, ACCURATE T PENALTIES FOR SUB BILITY OF FINES AND IN	E AND COMPL MITTING FALS	ETE. I AM	Vela	lanh	615 365	5-8116	95	12 13
TYPED OR PRINTED  COMMENT AND EXPLANATION OF ANY V	U.S.C. 1001 AN \$10,000 and or r	ID 33 U.S.C. 1319. (Pe naximum imprisonment o	nalties under these statul of between 6 months and	tes may include		ATURE OF PRINCIPA FFICER OR AUTHOR		AREA NU	IMBER	YEAR	MO DAY

 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: VERNON J. SHANKS, ENV. MGR.

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

TN0020168 PERMIT NUMBER 112 **G**Runoff Holding Pond

DISCHARGE NO.

Form Approved.
OMB No. 2030-0004

Approval Expires 10-31-94 •

(WBN-TVA MS Access Electronic version)

			MONITO	RING	PERIO	)	
	YEAR	МО	DAY		YEAR	MO	DAY
From:	95	11	01	To:	95	11	30

PARAMETER		QUAN	TITY OR LOADING		QUALITY OR CONCENTRATION				NO. EX	(	DUENCY	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS		ANA	ALYSIS	
OXYGEN, DISSOLVED (DO)	SAMPLE MEASUREMENT	* * * * * * *	******	* *	9.5	*****	* * * * * * *	19	0	5	/ 30	GRAB
00300 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	*****	5.0 DAILY MN	******	*******	MG/L		1/7		GRAB
PH :	SAMPLE MEASUREMENT	******	*****	**	7.0	*****	7.9	12	0	5	/ 30	GRAB
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	*****	6.0 DAILY MN	******	9.5 DAILY MX	รบ		1/7		GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****	**	*****	6	12	19	0	5	/ 30	GRAB
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*******	******	*****	******	30 MO AVG	100 DAILY MX	MG/L		1/7		GRAB
NITROGEN, AMMONIA TOTAL (AS N)	SAMPLE MEASUREMENT	* * * * * * *	*****	* *	*****	0.5	1.4	19	0	5	/ 30	GRAB.
00610 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*******	*****	*******	5.0 MO AVG	12 INST MAX	MG/L		1/7		GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.227	0.397	. 03	******	*****	*****	**	0	5	/ 30	INSTAN
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGD	******	**************************************		*****		1/7		INSTAN
CHLORINE, TOTAL RESIDUAL	SAMPLE MEASUREMENT	* * * * * * *	*****	**	*****	<0.1	< 0.1	19	0	5	/ 30	GRAB
50060 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	*******	*****	*******	.011 WEEKLY AVG	.019 INST MAX	MG/L		1/7		GRAB .
	SAMPLE MEASUREMENT				,							
	PERMIT REQUIREMENT											
NAME/TITLE PRINCIPAL EXECUTIVE OFFI			HAT I HAVE PERSONAL IBMITTED HEREIN AND					TELEPH	ONE		• [	ATE
JOHN A. SCALICE SITE VICE PRESIDENT	BELIEVE THE S AWARE THAT T INFORMATION	UBMITTED INFORMATION HERE ARE SIGNIFICAN INCLUDING THE POSSI	SPONSIBLE FOR OBTA ON IS TRUE, ACCURATE IT PENALTIES FOR SUB BILITY OF FINES AND IN	E AND COMPL MITTING FALS MPRISONMEN	ETE, I AM SE T. SEE 18 SIGN	ATURE OF PRINCIPA	L EXECUTIVE	615 36	5-811	6	95	12 13
TYPED OR PRINTED	\$10,000 and or r	naximum imprisonment o	nalties under these statut of between 6 months and		e fines up to O	FFICER OR AUTHORI	ZED AGENT	AREA NI CODE	JMBER	Y	EAR	MO DAY

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

## WATTS BAR NUCLEAR PLANT

WELL NO. 1 GROUNDWATER MONITORING FY 1996



14-Dec-95

DATCOL	BORON	SODIUM	AMMONIA	PH	TOTAL PHOSPORUS
	(ug/l)	(mg/l)	(mg/l)	(S. U.)	(mg/l)
10/3/95	<200.	1800.	0.42	7.2	0.01
10/11/95	230.	2200.	0.46	7.2	0.04
10/17/95	<200.	2200.	0.48	7.4	0.04
10/25/95	<200.	2000.	0.48	7.6	0.01
11/1/95	<200.	2100.	0.5	7.3	0.02
11/8/95	<200.	1800.	0.3	7.3	< 0.01
11/15/95	220.	1900.	0.44	7.5	0.02
11/21/95	210.	1900.	0.49	7.6	0.02
11/28/95	<200.	2000.	0.41	7.3	<0.01
MAX.	230.	2200.	0.5	7.6	0.04
MIN.	<200.	1800.	0.3	7.2	<0.01