



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

November 21, 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 OCTOBER 1995

Enclosed is the Discharge Monitoring Report and the Ground Water Monitoring Report
for the month of October 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

050115

9512050138 951031
PDR ADDCK 05000390
R PDR

PERMITTEE NAME ADDRESS (Include Facility Name/Location if 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**
 Location **RHEA COUNTY**

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

TN0020108
 PERMIT NUMBER

101 G
 DISCHARGE NO.

Diffuser Discharge

Form Approved.

OMB No. 2030-0004

Approval Expires 10-31-94

(WBN-TVA MS Access Electronic version)

ATTN: VERNON J. SHANKS, ENV. MGR.

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
95	10	01	95	10	31

PARAMETER	SAMPLE MEASUREMENT / PERMIT REQUIREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
TEMPERATURE, WATER DEG. CENTIGRADE	SAMPLE MEASUREMENT	*****	*****	**	*****	*****	23	04	0	31 / 31	RCORDR
00010 1 0 0	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	35 DAILY MX	DEG. C		CONTINUOUS	RCORDR
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	**	8.0	*****	8.9	12	0	5 / 31	GRAB
PH	PERMIT REQUIREMENT	*****	*****	*****	6.0 DAILY MN	*****	9.0 DAILY MX	SU		1/7	GRAB
00400 1 0 0	SAMPLE MEASUREMENT	*****	*****	**	*****	7	11	19	0	5 / 31	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	30 MO AVG	100 DAILY MX	MG/L		1/7	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****	**	*****	<5	<5	19	0	5 / 31	GRAB
00530 1 0 0	PERMIT REQUIREMENT	*****	*****	*****	*****	15 MO AVG	20 DAILY MX	MG/L		1/7	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	33.621	41.702	03	*****	*****	*****	**	0	31 / 31	RCORDR
OIL & GREASE FREON EXTR-GRAV METH	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGD	*****	*****	*****	*****		CONTINUOUS	RCORDR
00556 1 0 0	SAMPLE MEASUREMENT	*****	*****	**	*****	*****	0.03	19	0	88 / 31	M-GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	0.10 DAILY MX	MG/L		5/7	M-GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT										
50050 1 0 0	PERMIT REQUIREMENT										
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT										
CHLORINE, TOTAL RESIDUAL	PERMIT REQUIREMENT										
50060 1 0 0	SAMPLE MEASUREMENT										
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT										
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 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.)				TELEPHONE		DATE			
JOHN A. SCALICE						615	365-8116	95	11	17	
SITE VICE PRESIDENT						AREA CODE	NUMBER	YEAR	MO	DAY	
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT									

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

PERMITTEE NAME ADDRESS (Include Facility Name/Location if 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**
 Location **RHEA COUNTY**

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

TN002000
 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)

ATTN: VERNON J. SHANKS, ENV. MGR.

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
From: 95	10	01	To: 95	10	31

PARAMETER	SAMPLE MEASUREMENT / PERMIT REQUIREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
TEMPERATURE, WATER DEG. CENTIGRADE 00010 1 0 0	SAMPLE MEASUREMENT	*****	*****	**	*****	*****	No Discharge	04	0	0 / 31	INSTAN
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	40 DAILY MX	DEG. C		1/1	INSTAN
PH 00400 1 0 0	SAMPLE MEASUREMENT	*****	*****	**	No Discharge	*****	No Discharge	12	0	0 / 31	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	6.0 MINIMUM	*****	9.0 MAXIMUM	SU		1/7	GRAB
SOLIDS, TOTAL SUSPENDED 00530 1 0 0	SAMPLE MEASUREMENT	*****	*****	**	*****	No Discharge	No Discharge	19	0	0 / 31	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	30 MO AVG	100 DAILY MX	MG/L		1/7	GRAB
OIL & GREASE FREON EXTR-GRAV METH 00556 1 0 0	SAMPLE MEASUREMENT	*****	*****	**	*****	No Discharge	No Discharge	19	0	0 / 31	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	15 MO AVG	20 DAILY MX	MG/L		1/7	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0	SAMPLE MEASUREMENT	No Discharge	No Discharge	03	*****	*****	*****	**	0	0 / 31	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGD	*****	*****	*****	*****		1/1	GRAB
CHLORINE, TOTAL RESIDUAL 50060 1 0 0	SAMPLE MEASUREMENT	*****	*****	**	*****	*****	No Discharge	19	0	0 / 31	M-GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	0.10 DAILY MX	MG/L		5/7	M-GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER JOHN A. SCALICE SITE VICE PRESIDENT TYPED OR PRINTED	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 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.)					SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT <i>V. J. Shanks</i>		TELEPHONE 615 365-8116 AREA CODE NUMBER		DATE 95 11 17 YEAR MO DAY	

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

PERMITTEE NAME ADDRESS (Include Facility Name/Location if different)

Name T **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)

TN002000
 PERMIT NUMBER

103 G Low Vol. Waste
 DISCHARGE NO. Treatment Pond

Form Approved.
 OMB No. 2030-0004
 Approval Expires 10-31-94
 (WBN-TVA MS Access Electronic version)

ATTN: VERNON J. SHANKS, ENV. MGR.

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
95	10	01	To:	95	10 31

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PH		*****	*****	**	No Discharge	*****	No Discharge	12	0	0 / 31	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	No Discharge	No Discharge	26	*****	No Discharge	No Discharge	19	0	0 / 31	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	No Discharge	No Discharge	26	*****	No Discharge	No Discharge	19	0	0 / 31	GRAB
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	125 MO AVG	167 DAILY MAX	LBS/DAY	*****	15 MO AVG	20 DAILY MX	MG/L		1/7	GRAB
ALUMINUM	SAMPLE MEASUREMENT	*****	*****	**	*****	*****	No Discharge	19	0	0 / 31	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	No Discharge	No Discharge	03	*****	*****	*****	**	0	0 / 31	PMPLOG
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGD	*****	*****	*****	*****		1/1	PMPLOG
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER JOHN A. SCALICE SITE VICE PRESIDENT TYPED OR PRINTED	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 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.)	TELEPHONE		DATE		
		615	365-8116	95	11	17
	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT <i>V. J. Shanks</i>	AREA CODE	NUMBER	YEAR	MO	DAY

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

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if 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
 Location RHEA COUNTY

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

TN002003
 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)

ATTN: VERNON J. SHANKS, ENV. MGR.

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
From: 95	10	01	To: 95	10	31

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PH	SAMPLE MEASUREMENT	*****	*****	**	No Discharge	*****	No Discharge	12	0	0 / 31	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	*****	*****	**	*****	*****	No Discharge	19	0	0 / 31	COMPO
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	*****	*****	**	*****	*****	No Discharge	19	0	0 / 31	GRAB
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	15 DAILY MX	MG/L		1/1	GRAB
PHOSPHORUS, TOTAL (AS P)	SAMPLE MEASUREMENT	*****	*****	**	*****	*****	No Discharge	19	0	0 / 31	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	*****	*****	**	*****	*****	No Discharge	19	0	0 / 31	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	*****	*****	**	*****	*****	No Discharge	19	0	0 / 31	COMPO
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	No Discharge	No Discharge	03	*****	*****	*****	**	0	0 / 31	CALCTD
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGD	*****	*****	*****	*****		1/1	CALCTD
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 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.)					TELEPHONE		DATE			
JOHN A. SCALICE SITE VICE PRESIDENT TYPED OR PRINTED						615 365-8116		95	11	17	
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)						SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT					

PERMITTEE NAME ADDRESS (Include Facility Name/Location if different)

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

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

TNO020768
 PERMIT NUMBER

111 G
 DISCHARGE NO.

Combined Sewage Treatment Plants

Form Approved.
 OMB No. 2030-0004
 Approval Expires 10-31-94
 (WBN-TVA MS Access Electronic version)

ATTN: VERNON J. SHANKS, ENV. MGR.

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
95	10	01	95	10	31

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
BOD, 5-DAY (20 DEG. C)	SAMPLE MEASUREMENT	*****	*****	**	*****	<3	4	19	0	4 / 31	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	*****	*****	**	*****	<1	1	19	0	4 / 31	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 / 31	GRAB
00545 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	1.0 DAILY MX	ML/L		2/7	GRAB
COLIFORM, FECAL	SAMPLE MEASUREMENT	*****	*****	**	*****	94	270	13	0	4 / 31	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	0.126	03	*****	*****	*****	**	0	31 / 31	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	*****	*****	**	*****	*****	0.3	19	0	22 / 31	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 OFFICER
 JOHN A. SCALICE
 SITE VICE PRESIDENT
 TYPED OR PRINTED

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 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.)

Vernon J. Shanks
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
615	365-8116	95	11	17
AREA CODE	NUMBER	YEAR	MO	DAY

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

PERMITTEE NAME ADDRESS (Include Facility Name/Location if 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
 Location RHEA COUNTY

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

TN0020788
 PERMIT NUMBER

112 G
 DISCHARGE NO.

Runoff Holding Pond

Form Approved.

OMB No. 2030-0004

Approval Expires 10-31-94

(WBN-TVA MS Access Electronic version)

ATTN: VERNON J. SHANKS, ENV. MGR.

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
From: 95	10	01	To: 95	10	31

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
OXYGEN, DISSOLVED (DO)	SAMPLE MEASUREMENT	*****	*****	**	8.6	*****	*****	19	0	4 / 31	GRAB
00300 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	5.0 DAILY MN	*****	*****	MG/L		1/7	GRAB
PH	SAMPLE MEASUREMENT	*****	*****	**	7.0	*****	8.6	12	0	4 / 31	GRAB
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	6.0 DAILY MN	*****	9.5 DAILY MX	SU		1/7	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****	**	*****	7	11	19	0	4 / 31	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	*****	*****	**	*****	0.3	0.5	19	0	4 / 31	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	0.079	0.160	03	*****	*****	*****	**	0	4 / 31	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	4 / 31	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 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 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.)				SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE		DATE		
JOHN A. SCALICE							615	365-8116	95	11	17
SITE VICE PRESIDENT							AREA CODE	NUMBER	YEAR	MO	DAY
TYPED OR PRINTED	COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)										

WATTS BAR NUCLEAR PLANT

WELL NO. 1 GROUNDWATER MONITORING

FY 1996



17-Nov-95

DATCOL	BORON (ug/l)	SODIUM (mg/l)	AMMONIA (mg/l)	PH (S. U.)	TOTAL PHOSPORUS (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

MAX.	230.	2200.	0.5	7.6	0.04
MIN.	<200.	1800.	0.3	7.2	<0.01