



Tennessee Valley Authority, 714 Swan Pond Road, Hariman, Tennessee 37748

June 5, 2008

Mr. Patrick Cromer  
Division of Water Pollution Control  
Enforcement and Compliance Section  
6<sup>th</sup> Floor, L&C Annex  
401 Church Street  
Nashville, Tennessee 37243-1534

Dear Mr. Cromer:

TENNESSEE VALLEY AUTHORITY (TVA) - KINGSTON PLANT - NPDES PERMIT NO.  
TN0005452 - DISCHARGE MONITORING REPORT (DMR) - MAY 2008

As required by the referenced permit, enclosed is a certified copy of the DMR for Kingston Fossil Plant for the reporting period of May 2008. Included with the DMR is a computer disk that contains the DMR data for your convenience.

If you have any questions concerning this report, please call Cynthia McCowan at (865) 717-2180 in Kingston, Tennessee.

*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.)*

Sincerely,

Ronald C. Hall  
Plant Manager  
Kingston Fossil Plant

RCH/cm  
Enclosures

5  
ENVIRONMENTAL DOCUMENT TYPE  
KIF NPDES Correspondence  
(DMR - May 2008)

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

Name **TVA - KINGSTON FOSSIL PLANT**  
 Address **714 SWAN POND ROAD**  
**HARRIMAN, TN 37748**

Facility **TVA - KINGSTON FOSSIL PLANT**  
 Location **ROANE COUNTY (KFO) TN 37763**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16) (17-19)

**TN0005452** **001 G**  
 PERMIT NUMBER DISCHARGE NUMBER

MAJOR

(SUBR 03)

F - FINAL

ASH POND WASTEWATER

EFFLUENT

Form Approved.

OMB No. 2040-0004

Approval expires 05-31-98


ATTN: LINDY JOHNSON

MONITORING PERIOD  
 From **08 05 01** To **08 05 31**  
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

\*\*\* NO DISCHARGE  \*\*\*

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	QUANTITY OR LOADING (3 Card Only) (46-53)			QUALITY OR CONCENTRATION (4 Card Only) (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS
<b>PH</b>		*****	*****	**	8.6	*****	*****	12	0	5 / 31	GRAB
00400 1 0 0 EFFLUENT GROSS VALUE		*****	*****	****	<b>6.0</b> DAILY MN	*****	*****	SU		WEEKLY	GRAB
<b>SOLIDS, TOTAL SUSPENDED</b>		*****	*****	**	*****	19.0	19.0	19	0	1 / 31	GRAB
00530 1 0 0 EFFLUENT GROSS VALUE		*****	*****	****	*****	<b>29.9</b> MO AVG	<b>92.0</b> DAILY MX	MG/L		ONCE/ MONTH	GRAB
<b>OIL AND GREASE</b>		*****	*****	**	*****	<5.0	<5.0	19	0	1 / 31	GRAB
00556 1 0 0 EFFLUENT GROSS VALUE		*****	*****	****	*****	<b>14.4</b> MO AVG	<b>19.4</b> DAILY MX	MG/L		ONCE/ MONTH	GRAB
<b>NITROGEN, AMMONIA TOTAL (AS N)</b>		*****	0.00	26	*****	*****	0.00	19	0	2 / 31	CALCTD
00610 2 0 0 NET VALUE EFFLUENT		*****	<b>REPORT</b> DAILY MX	LBS/DY	*****	*****	<b>REPORT</b> DAILY MX	MG/L		TWICE/ MONTH	CALCTD
<b>NITROGEN, AMMONIA TOTAL (AS N)</b>		*****	<36.27	26	*****	*****	<0.10	19	0	2 / 31	GRAB
00610 Z 0 0 INSTREAM MONITORING		*****	<b>REPORT</b> DAILY MX	LBS/DY	*****	*****	<b>REPORT</b> DAILY MX	MG/L		TWICE/ MONTH	GRAB
<b>NITROGEN, AMMONIA TOTAL (AS N)</b>		*****	<36.27	26	*****	*****	<0.10	19	0	2 / 31	GRAB
00610 1 0 0 EFFLUENT GROSS VALUE		*****	<b>REPORT</b> DAILY MX	LBS/DY	*****	*****	<b>REPORT</b> DAILY MX	MG/L		TWICE/ MONTH	GRAB
<b>FLOW, IN CONDUIT OR THRU TREATMENT PLANT</b>		38.6	43.5	03	*****	*****	*****	**	0	4 / 31	INSTAN
50050 1 0 0 EFFLUENT GROSS VALUE		<b>REPORT</b> MO AVG	<b>REPORT</b> DAILY MX	MGD	*****	*****	*****	****		WEEKLY	INSTAN

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  Preston D. Swafford  Exec. V.P., Fossil Power Group  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 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.)	 Ronald C. Hall, Plant Manager SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE		DATE		
			865	717-2501	08	06	05
			AREA CODE	NUMBER	YEAR	MO	DAY

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

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

Name **TVA - KINGSTON FOSSIL PLANT**  
 Address **714 SWAN POND ROAD**  
**HARRIMAN, TN 37748**

Facility **TVA - KINGSTON FOSSIL PLANT**  
 Location **ROANE COUNTY (KFO) TN 37763**

ATTN: LINDY JOHNSON

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

**DISCHARGE MONITORING REPORT (DMR)**

(2-16) (17-19)

**TN0005452** **002 G**  
 PERMIT NUMBER DISCHARGE NUMBER

MAJOR

(SUBR 03)

F - FINAL

ONCE THROUGH CONDENSER COOL WATER

EFFLUENT

\*\*\* NO DISCHARGE  \*\*\*

NOTE: Read instructions before completing this form.

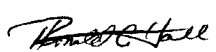
Form Approved.

OMB No. 2040-0004

Approval expires 05-31-98

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
08	05	01	08	05	31
(20-21)		(22-23)	(24-25)	(26-27)	
(28-29)		(30-31)			

PARAMETER (32-37)	SAMPLE MEASUREMENT	(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
<b>TEMPERATURE, WATER DEG. CENTIGRADE</b> 00010 7 0 0 INTAKE	SAMPLE MEASUREMENT	*****	*****	**	*****	*****	23.8	04	0	31 / 31	RCORDR
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	<b>REPORT DAILY MX</b>	DEG. C.		CONTINUOUS	RCORDR
<b>TEMPERATURE, WATER DEG. CENTIGRADE</b> 00010 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	**	*****	*****	31.4	04	0	31 / 31	CALCTD
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	<b>36.1 DAILY MX</b>	DEG. C.		DAILY	CALCTD
<b>PH</b> 00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	**	7.7	*****	8.1	12	0	5 / 31	GRAB
	PERMIT REQUIREMENT	*****	*****	****	<b>6.0 DAILY MN</b>	*****	<b>9.0 DAILY MX</b>	SU		WEEKLY	GRAB
<b>FLOW, IN CONDUIT OR THRU TREATMENT PLANT</b> 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	1395.0	1395.0	03	*****	*****	*****	**	0	31 / 31	CALCTD
	PERMIT REQUIREMENT	<b>REPORT MO AV</b>	<b>REPORT DAILY MX</b>	MGD	*****	*****	*****	****		DAILY	CALCTD
<b>OXIDANTS, TOTAL RESIDUAL</b> 34044 0 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	**	*****	Monitoring Not Required	Monitoring Not Required	19			
	PERMIT REQUIREMENT	*****	*****	****	*****	<b>.038 MO AV</b>	<b>.066 DAILY MX</b>	MG/L		WEEKLY	GRAB
<b>OXIDANTS, TOTAL RESIDUAL</b> 34044 P 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	**	*****	Monitoring Not Required	Monitoring Not Required	19			
	PERMIT REQUIREMENT	*****	*****	****	*****	<b>.011 MO AV</b>	<b>.019 DAILY MX</b>	MG/L		WEEKLY	GRAB
<b>DURATION OF DISCHARGE</b> 81381 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	**	*****	*****	No Discharge	14			
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	<b>120 DAILY MX</b>	MINUTES		WEEKLY	GRAB

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.)	 Ronald C. Hall, Plant Manager	TELEPHONE		DATE		
Preston D. Swafford			865	717-2501	08	06	05
Exec. V.P., Fossil Power Group			AREA CODE	NUMBER	YEAR	MO	DAY
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT					

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

- O=3/ The limits depicted are applicable at flows of 654 MGD, and above, from outfall 002.
- O=4/ The limits depicted are applicable at flows less than 654 MGD, in lieu of the limits shown in footnote 4.

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

Name **TVA - KINGSTON FOSSIL PLANT**  
 Address **714 SWAN POND ROAD**  
**HARRIMAN, TN 37748**

Facility **TVA - KINGSTON FOSSIL PLANT**  
 Location **ROANE COUNTY (KFO) TN 37763**

ATTN: LINDY JOHNSON

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16) (17-19)

**TN0005452** **002 T**  
 PERMIT NUMBER DISCHARGE NUMBER

MAJOR (SUBR 03)  
 F - FINAL  
 ANNUAL BIOMONITORING  
 EFFLUENT

Form Approved.  
 OMB No. 2040-0004  
 Approval expires 05-31-98


MONITORING PERIOD

From **08 05 01** To **08 05 31**  
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

\*\*\* NO DISCHARGE  \*\*\*

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING			(4 Card Only) QUALITY OR CONCENTRATION				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE (46-53)	MAXIMUM (54-61)	UNITS	MINIMUM (38-45)	AVERAGE (46-53)	MAXIMUM (54-61)	UNITS			
IC25 STATRE 7DAY CHR CERIODAPHNIA	SAMPLE MEASUREMENT	*****	*****	**	Monitoring Not Required	*****	*****	23			
TRP3B 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	100 MINIMUM	*****	*****	PERCENT		ANNUAL	COMPOS
IC25 STATRE 7DAY CHR PIMEPHALES	SAMPLE MEASUREMENT	*****	*****	**	Monitoring Not Required	*****	*****	23			
TRP6C 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	100 MINIMUM	*****	*****	PERCENT		ANNUAL	COMPOS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
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	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 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.)	 Ronald C. Hall, Plant Manager SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE		DATE		
Preston D. Swafford			865	717-2501	08	06	05
Exec. V.P., Fossil Power Group			AREA CODE	NUMBER	YEAR	MO	DAY
TYPED OR PRINTED							

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)  
 No Toxicity Testing Conducted this Month

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

Name **TVA - KINGSTON FOSSIL PLANT**  
 Address **714 SWAN POND ROAD**  
**HARRIMAN, TN 37748**  
 Facility **TVA - KINGSTON FOSSIL PLANT**  
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NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

**TN0005452**  
 PERMIT NUMBER

**005 G**  
 DISCHARGE NUMBER

MAJOR

(SUBR 03)

F - FINAL

CHEMICAL METAL CLEANING WASTEWATER

EFFLUENT

Form Approved

OMB No. 2040-0004

Approval expires 05-31-98

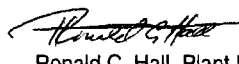
ATTN: LINDY JOHNSON

MONITORING PERIOD  
 From **08 05 01** To **08 05 31**  
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

\*\*\* NO DISCHARGE  \*\*\*

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PARAMETER (32-37)	SAMPLE MEASUREMENT	QUANTITY OR LOADING (3 Card Only) (46-53)			QUALITY OR CONCENTRATION (4 Card Only) (38-45)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE (54-61)	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
<b>COPPER, TOTAL (AS CU)</b>	SAMPLE MEASUREMENT	*****	*****	**	*****	0.007	0.008	19	0	2 / 31	GRAB
01042 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	1.0 MO AVG	1.0 DAILY MX	MG/L		SEE PERMIT	GRAB
<b>IRON, TOTAL (AS FE)</b>	SAMPLE MEASUREMENT	*****	*****	**	*****	<0.100	<0.100	19	0	2 / 31	GRAB
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	1.0 MO AVG	1.0 DAILY MX	MG/L		SEE PERMIT	GRAB
<b>FLOW, IN CONDUIT OR THRU TREATMENT PLANT</b>	SAMPLE MEASUREMENT	1.54	1.59	03	*****	*****	*****	**	0	1 / 31	CALCTD
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGD	*****	*****	*****	****		ONCE/ BATCH	CALCTD
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
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	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 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.)	 Ronald C. Hall, Plant Manager SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE		DATE		
Preston D. Swafford Exec. V.P., Fossil Power Group			865 717-2501	08	06	05	
TYPED OR PRINTED			AREA CODE	NUMBER	YEAR	MO	DAY

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