



ENVIRONMENTAL DOCUMENT TYPE:  
KIF NPDES Correspondence  
(August 2008 DMR)

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

September 8, 2008

Mr. Patrick Cromer  
TDEC - 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 FOSSIL PLANT - NPDES  
PERMIT NO. TN0005452 - DISCHARGE MONITORING REPORT (DMR) - August 2008

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

Also included are copies of the 2008 annual bio-monitoring reports. The test results showed no toxicity for Pimephales promelas or Ceriodaphnia dubia.

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

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)  
 (2-18) (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 08 01** To **08 08 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			
<b>PH</b>		*****	*****	**	8.0	*****	*****	12	0	4 / 31	GRAB
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	<b>6.0 DAILY MN</b>	*****	*****	SU		WEEKLY	GRAB
<b>SOLIDS, TOTAL SUSPENDED</b>		*****	*****	**	*****	11.0	11.0	19	0	1 / 31	GRAB
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	<b>29.9 MO AVG</b>	<b>92.0 DAILY MX</b>	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	PERMIT REQUIREMENT	*****	*****	****	*****	<b>14.4 MO AVG</b>	<b>19.4 DAILY MX</b>	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	PERMIT REQUIREMENT	*****	<b>REPORT DAILY MX</b>	LBS/DY	*****	*****	<b>REPORT DAILY MX</b>	MG/L		TWICE/MONTH	CALCTD
<b>NITROGEN, AMMONIA TOTAL (AS N)</b>		*****	<33.97	26	*****	*****	<0.10	19	0	2 / 31	GRAB
00610 Z 0 0 INSTREAM MONITORING	PERMIT REQUIREMENT	*****	<b>REPORT DAILY MX</b>	LBS/DY	*****	*****	<b>REPORT DAILY MX</b>	MG/L		TWICE/MONTH	GRAB
<b>NITROGEN, AMMONIA TOTAL (AS N)</b>		*****	<33.97	26	*****	*****	<0.10	19	0	2 / 31	GRAB
00610 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	<b>REPORT DAILY MX</b>	LBS/DY	*****	*****	<b>REPORT DAILY MX</b>	MG/L		TWICE/MONTH	GRAB
<b>FLOW, IN CONDUIT OR THRU TREATMENT PLANT</b>		43.0	48.5	03	*****	*****	*****	**	0	4 / 31	INSTAN
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	<b>REPORT MO AVG</b>	<b>REPORT DAILY MX</b>	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	09	08
			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**

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

Form Approved.

OMB No. 2040-0004

Approval expires 05-31-98


ATTN: LINDY JOHNSON

MONITORING PERIOD  
 From **08 08 01** To **08 08 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	QUANTITY OR LOADING (3 Card Only (46-53) (54-61))			QUALITY OR CONCENTRATION (4 Card Only (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			
TEMPERATURE, WATER DEG. CENTIGRADE 00010 7 0 0	SAMPLE MEASUREMENT	*****	*****	**	*****	*****	25.2	04	0	31 / 31	RCORDR
INTAKE	PERMIT REQUIREMENT	*****	*****	****	*****	*****	REPORT DAILY MX	DEG. C.		CONTINUOUS	RCORDR
TEMPERATURE, WATER DEG. CENTIGRADE 00010 1 0 0	SAMPLE MEASUREMENT	*****	*****	**	*****	*****	33.1	04	0	31 / 31	CALCTD
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	*****	36.1 DAILY MX	DEG. C.		DAILY	CALCTD
PH 00400 1 0 0	SAMPLE MEASUREMENT	*****	*****	**	7.8	*****	8.0	12	0	4 / 31	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.0 DAILY MN	*****	9.0 DAILY MX	SU		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0	SAMPLE MEASUREMENT	1347.9	1358.0	03	*****	*****	*****	**	0	31 / 31	CALCTD
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT MO AV	REPORT DAILY MX	MGD	*****	*****	*****	****		DAILY	CALCTD
OXIDANTS, TOTAL RESIDUAL 34044 0 0 0	SAMPLE MEASUREMENT	*****	*****	**	*****	Monitoring Not Required	Monitoring Not Required	19			
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	.038 MO AV	.066 DAILY MX	MG/L		WEEKLY	GRAB
OXIDANTS, TOTAL RESIDUAL 34044 P 0 0	SAMPLE MEASUREMENT	*****	*****	**	*****	Monitoring Not Required	Monitoring Not Required	19			
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	.011 MO AV	.019 DAILY MX	MG/L		WEEKLY	GRAB
DURATION OF DISCHARGE 81381 1 0 0	SAMPLE MEASUREMENT	*****	*****	**	*****	*****	No Discharge	14			
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	*****	120 DAILY MX	MINUTES		WEEKLY	GRAB

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 09 08	AREA CODE	NUMBER	YEAR

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** (2-16) **002 T** (17-19)  
**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 08 01** To **08 08 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 / PERMIT REQUIREMENT	QUANTITY OR LOADING (3 Card Only)			QUALITY OR CONCENTRATION (4 Card Only)				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			
<b>IC25 STATRE 7DAY CHR CERIODAPHNIA</b>	SAMPLE MEASUREMENT	*****	*****	**	>100	*****	*****	23	0	1 / 365	COMPOS
TRP3B 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	100 MINIMUM	*****	*****	PERCENT		ANNUAL	COMPOS
<b>IC25 STATRE 7DAY CHR PIMEPHALES</b>	SAMPLE MEASUREMENT	*****	*****	**	>100	*****	*****	23	0	1 / 365	COMPOS
TRP6C 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	100 MINIMUM	*****	*****	PERCENT		ANNUAL	COMPOS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
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	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 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		
Preston D. Swafford		865 717-2501		08	09	08
Exec. V.P., Fossil Power Group		AREA CODE	NUMBER	YEAR	MO	DAY
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT				

*Ronald C. Hall*  
 Ronald C. Hall, Plant Manager

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)

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NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
 DISCHARGE MONITORING REPORT (DMR)  
 (2-16) (17-19)

**TN0005452** **005 G**  
 PERMIT NUMBER DISCHARGE NUMBER

MAJOR  
 (SUBR 03)  
 F - FINAL

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

CHEMICAL METAL CLEANING WASTEWATER  
 EFFLUENT

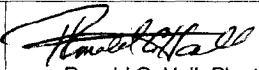
MONITORING PERIOD  
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ATTN: LINDY JOHNSON

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			
<b>COPPER, TOTAL (AS CU)</b>	SAMPLE MEASUREMENT	*****	*****	**	*****				19		
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	*****	*****	**	*****				19		
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			03	*****	*****	*****	**			
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										
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			865 717-2501	08 09 08	AREA CODE	NUMBER	YEAR

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)  
 No Discharge this Period