



**Nuclear Fuel Services, Inc.**

1205 Banner Hill Road  
Erwin, TN 37650

(423) 743-9141

E-Mail: <http://www.atnfs.com>

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

21G-07-0113  
GOV-05-01-01  
ACF-07-0268

September 12, 2007

Mr. Christopher S. Moran  
Enforcement and Compliance Section  
Tennessee Department of Environment and Conservation  
Division of Water Pollution Control  
6<sup>th</sup> Floor, L&C Annex, 401 Church Street  
Nashville, TN 37243-1534

References:

- 1) Nuclear Fuel Services, Inc. (NFS) NPDES Permit No. TN0002038
- 2) e-mail from Mr. Brent Lecher, dated 1/31/06 to Joyce Griffith
- 3) DEEMERs User's Guide, dated 1/06, Section 8.g.i
- 4) Electronic Reporting System for Submittal of DMRs – "DEEMERs" (letter from C.S. Moran and K. Fowlkes, TDEC to B.M. Moore, NFS), dated June 24, 2002
- 5) DEEMERs Electronic Application Package (letter from K. Fowlkes and C.S. Moran, TDEC to B.M. Moore, NFS), dated October 25, 2002

Dear Mr. Moran:

As required by Part I, D.1 of NPDES Permit #TN0002038, we hereby submit the Monthly Discharge Monitoring Report (DMR), EPA Form 3320-1, for August 2007 as Attachment 1. As requested in Reference 2 above, NFS is also electronically submitting the August DMR via the DEEMERs system. Also included are the Third Quarter 2007 Metals and PCE analyses.

Laboratory analyses for required permit parameters were performed on nineteen (19) Waste Water Treatment Facility (WWTF) batches discharged during this reporting period. All values were indicated by these analyses to be within their respective permit conditions.

If you or your staff have any questions, require additional information, or wish to discuss this, please contact me or Ms. Joyce Griffith, Environmental Scientist, at (423) 743-9141. Please reference our unique document identification number (21G-07-0113) in any correspondence concerning this letter.

Sincerely,

**NUCLEAR FUEL SERVICES, INC.**

B. Marie Moore  
Vice President, Safety & Regulatory

CAH/lsn

B. Marie Moore to Mr. Christopher S. Moran  
September 12, 2007

21G-07-0113  
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Attachment

xc: U.S. Nuclear Regulatory Commission  
Region II, Atlanta Federal Center  
61 Forsyth Street, S. W., Suite 23T85  
Atlanta, GA 30303

Mr. Jeff Horton, Manager  
Johnson City Basin  
TN Division of Water Pollution Control  
2305 Silverdale Road  
Johnson City, TN 37601-2162

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

NAME Nuclear Fuel Services  
 ADDRESS P.O. Box 337  
 MS 123  
 Erwin TN 37650  
 FACILITY Nuclear Fuel Services  
 LOCATION Erwin TN 37650  
 Attn: Ms. B. Marie Moore

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

TN0002038	001 G
PERMIT NUMBER	DISCHARGE NUMBER

MAJOR (SUBR 06)  
 F - FINAL EMH  
 TREATED PROCESS WASTEWATER EFFLUENT

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
07	08	01		07	08	31

\*\*\* NO DISCHARGE  \*\*\*  
 NOTE: Read Instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			Quality or Concentration			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS
OXYGEN DEMAND, CHEM. (HIGH LEVEL) (COD) 00340 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	*****	*****	370	( 19)	0	19 / 19	GRAB
	PERMIT REQUIREMENT	*****	*****	***	*****	*****	DAILY MX	MG/L		ONCE / MONTH	GRAB
PH 00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	6.94	*****	8.58	( 12)	0	19 / 19	GRAB
	PERMIT REQUIREMENT	*****	*****	***	6	*****	9	SU		ONCE / BATCH	GRAB
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	*****	3.11	8	( 19)	0	19 / 19	GRAB
	PERMIT REQUIREMENT	*****	*****	***	*****	30	40	MO AVG DAILY MX	MG/L	ONCE / BATCH	GRAB
SOLIDS, SETTLEABLE 00545 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	*****	*****	0.3	( 25)	0	19 / 19	GRAB
	PERMIT REQUIREMENT	*****	*****	***	*****	*****	0.5	DAILY MX	ML/L	ONCE / BATCH	GRAB
NITROGEN, AMMONIA TOTAL (AS N) 00610 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	*****	15.47	26	( 19)	0	19 / 19	GRAB
	PERMIT REQUIREMENT	*****	*****	***	*****	20	30	MO AVG DAILY MX	MG/L	ONCE / BATCH	GRAB
NITRITE PLUS NITRATE TOTAL 1 DET. (AS N) 00630 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	117.35	( 26)	*****	*****	*****		0	19 / 19	GRAB
	PERMIT REQUIREMENT	*****	420	DAILY MX	LBS/DY	*****	*****	*****	***	ONCE / BATCH	GRAB
FLUORIDE, TOTAL (AS F) 00951 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	*****	< 10	< 10	( 19)	0	19 / 19	GRAB
	PERMIT REQUIREMENT	*****	*****	***	*****	15	20	MO AVG DAILY MX	MG/L	ONCE / BATCH	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER B. Marie Moore, Vice President Safety & Regulatory	I certify under penalty of law that this document and all attachments were prepared under my 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.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT 	TELEPHONE		DATE		
			423	743-9141	07	09	12
TYPED OR PRINTED			AREA CODE	NUMBER	YEAR	MO	DAY

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

MON AVG ONLY APPLIES IF MERCURY IS OCCURS FOUR OR MORE DAYS A WEEK. IF ANY INDIVIDUAL ANALYTICAL TEST RESULT FOR MERCURY IS LESS THAN THE MIN (0.0002 MG/L) A VALUE OF ZERO MAY BE USED. THE TRC LIMIT IS ONLY APPLICABLE WHEN CHLORINE IS USED IN THE TREATMENT PROCESS.

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 MS 123  
 Erwin TN 37650  
 FACILITY Nuclear Fuel Services  
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 Attn: Ms. B. Marie Moore

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

TN0002038	001 G
PERMIT NUMBER	DISCHARGE NUMBER


MAJOR (SUBR 06)  
 F - FINAL  
 TREATED PROCESS WASTEWATER  
 EFFLUENT

EMH

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		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS				
CADMIUM, TOTAL (AS CD) 01027 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****		0.00172	( 19)	0	01 / 30	GRAB
	PERMIT REQUIREMENT	*****	*****	***	*****	*****		0.01			ONCE / MONTH	GRAB
COPPER, TOTAL (AS CU) 01042 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****		0.00571	( 19)	0	01 / 30	GRAB
	PERMIT REQUIREMENT	*****	*****	***	*****	*****		1.0 DAILY MX			ONCE / MONTH	GRAB
LEAD, TOTAL (AS PB) 01051 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****		< 0.00250	( 19)	0	01 / 30	GRAB
	PERMIT REQUIREMENT	*****	*****	***	*****	*****		0.1 DAILY MX			ONCE / MONTH	GRAB
SILVER, TOTAL (AS AG) 01077 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****		< 0.00100	( 19)	0	01 / 30	GRAB
	PERMIT REQUIREMENT	*****	*****	***	*****	*****		0.05			ONCE / MONTH	GRAB
URANIUM, NATURAL, TOTAL 22708 1 0 0 GROSS EFFLUENT VALUE	SAMPLE MEASUREMENT	*****	*****		*****	0.09		0.11	( 19)	0	19 / 19	GRAB
	PERMIT REQUIREMENT	*****	*****	***	*****	2 MO AVG		4 DAILY MX			ONCE / BATCH	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.014547	0.015509	( 03)	*****	*****		*****		0	19 / 19	ESTIMA
	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGD	*****	*****		*****	***		ONCE / BATCH	ESTIMA
CHLORINE, TOTAL RESIDUAL 50060 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****		N/A	( 19)	0	0 / 0	GRAB
	PERMIT REQUIREMENT	*****	*****	***	*****	*****		2 DAILY MX			ONCE / BATCH	GRAB

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		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
MERCURY, TOTAL (AS HG)	SAMPLE MEASUREMENT	*****	*****		*****	0.00029	0.001738	( 19 )	0	19 / 19	GRAB
71900 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	*****	0.00037	0.05	MG/L		ONCE / BATCH	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
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	PERMIT REQUIREMENT										

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B. Marie Moore, Vice President Safety & Regulatory			423	743-9141	07	09	12
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 EPA Form 3320-1

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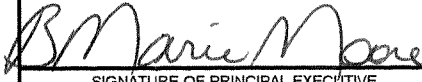
EMH

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07	07	01		07	09	30

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		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
ARSENIC, TOTAL (AS AS)	SAMPLE MEASUREMENT	* * * * *	* * * * *		* * * * *	* * * * *	0.00510	( 19)		01 / 90	GRAB
01002 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	* * * * *	* * * * *	* * *	* * * * *	* * * * *	REPORT	MG/L		QTRLY	GRAB
CHROMIUM, TOTAL (AS CR)	SAMPLE MEASUREMENT	* * * * *	* * * * *		* * * * *	* * * * *	0.00193	( 19)		01 / 90	GRAB
01034 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	* * * * *	* * * * *	* * *	* * * * *	* * * * *	REPORT	MG/L		QTRLY	GRAB
NICKEL, TOTAL (AS NI)	SAMPLE MEASUREMENT	* * * * *	* * * * *		* * * * *	* * * * *	0.00442	( 19)		01 / 90	GRAB
01067 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	* * * * *	* * * * *	* * *	* * * * *	* * * * *	REPORT	MG/L		QTRLY	GRAB
TETRACHLOROETHYLENE	SAMPLE MEASUREMENT	* * * * *	* * * * *		* * * * *	* * * * *	<0.00025	( 19)		01 / 90	GRAB
34475 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	* * * * *	* * * * *	* * *	* * * * *	* * * * *	REPORT	MG/L		QTRLY	GRAB
	SAMPLE MEASUREMENT									/	
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT									/	
	PERMIT REQUIREMENT										

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