



Nuclear Fuel Services, Inc.
P.O. Box 337, MS 123
Erwin, TN 37650

(423) 743-9141

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

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

21G-07-0142
GOV-05-01-01
ACF-07-0323

November 8, 2007

Mr. Christopher S. Moran
Enforcement and Compliance Section
Tennessee Department of Environment and Conservation
Division of Water Pollution Control
6th 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 October 2007 as Attachment 1. As requested in Reference 2 above, NFS is also electronically submitting the October DMR via the DEEMERs system. Also included are the Fourth Quarter 2007 Metals and PCE analyses.

Laboratory analyses for required permit parameters were performed on thirteen (13) 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-07-0142) in any correspondence concerning this letter.

Sincerely,

NUCLEAR FUEL SERVICES, INC.

B. Marie Moore
Vice President, Safety & Regulatory

CAH/lsn
Attachment (1)

B. Marie Moore to Mr. Christopher S. Moran
November 8, 2007

21G-07-0142
GOV-05-01-01
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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

B. Marie Moore to Mr. Christopher S. Moran
November 8, 2007

21G-07-0142
GOV-05-01-01
ACF-07-0323

Attachment I

October 2007 DMR

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
 TREATED PROCESS WASTEWATER EFFLUENT
 EMH

MONITORING PERIOD

YEAR	MO	DAY	TO	YEAR	MO	DAY
07	10	01		07	10	31

*** NO DISCHARGE ***

NOTE: Read Instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			Quality or Concentration			UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
OXYGEN DEMAND, CHEM. (HIGH LEVEL) (COD) 00340 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****	326	(19)	0	13 / 13	GRAB
	PERMIT REQUIREMENT	*****	*****	***	*****	*****	370 DAILY MX	MG/L		ONCE / MONTH	GRAB
PH 00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		7.69	*****	8.97	(12)	0	13 / 13	GRAB
	PERMIT REQUIREMENT	*****	*****	***	6 MINIMUM	*****	9 MAXIMUM	SU		ONCE / BATCH	GRAB
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	3.85	12	(19)	0	13 / 13	GRAB
	PERMIT REQUIREMENT	*****	*****	***	*****	30 MO AVG	40 DAILY MX	MG/L		ONCE / BATCH	GRAB
SOLIDS, SETTLEABLE 00545 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****	< 0.1	(25)	0	13 / 13	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	*****	*****		*****	16.77	27	(19)	0	13 / 13	GRAB
	PERMIT REQUIREMENT	*****	*****	***	*****	20 MO AVG	30 DAILY MX	MG/L		ONCE / BATCH	GRAB
NITRITE PLUS NITRATE TOTAL 1 DET. (AS N) 00630 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	98.29	(26)	*****	*****	*****		0	13 / 13	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	13 / 13	GRAB
	PERMIT REQUIREMENT	*****	*****	***	*****	15 MO AVG	20 DAILY MX	MG/L		ONCE / BATCH	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER B. M. 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.	TELEPHONE	DATE			
			423	743-9141	07	11
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT <i>B. M. Moore</i>	AREA CODE	NUMBER	YEAR	MO	DAY

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

The chronic mercury limit shall apply only if the discharge of batches containing mercury occur four (4) or more consecutive days/week during the monitoring period; otherwise, only the daily maximum limit for batches containing mercury shall apply. If any individual analytical test result for mercury is less than the minimum qualification level (0.0002 mg/L), then a value of zero (0) may be used for DMR calculations and reporting requirements. THE TRC limit is only applicable when chlorine is used in the treatment process.

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NAME Nuclear Fuel Services
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 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
 TREATED PROCESS WASTEWATER EFFLUENT

EMH

MONITORING PERIOD

FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	07	10	01		07	10	31

*** NO DISCHARGE ***

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PARAMETER		QUANTITY OR LOADING			Quality or Concentration			UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
CADMIUM, TOTAL (AS CD) 01027 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	*****	*****	< 0.00100	(19)	0	01 / 30	GRAB
	PERMIT REQUIREMENT	*****	*****	***	*****	*****	0.01	MG/L		ONCE / MONTH	GRAB
COPPER, TOTAL (AS CU) 01042 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	*****	*****	< 0.00300	(19)	0	01 / 30	GRAB
	PERMIT REQUIREMENT	*****	*****	***	*****	*****	1.0 DAILY MX	MG/L		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	MG/L		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	MG/L		ONCE / MONTH	GRAB
URANIUM, NATURAL, TOTAL 22708 1 0 0 GROSS EFFLUENT VALUE	SAMPLE MEASUREMENT	*****	*****	***	*****	0.148	0.85	(19)	0	13 / 13	GRAB
	PERMIT REQUIREMENT	*****	*****	***	*****	2 MO AVG	4 DAILY MX	MG/L		ONCE / BATCH	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.014340	0.015050	(03)	*****	*****	*****		0	13 / 13	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	MG/L		ONCE / BATCH	GRAB

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B. M. Moore, Vice President Safety & Regulatory			423 743-9141	07	11	08
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

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

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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

FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	07	10	01		07	10	31

*** NO DISCHARGE ***

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PARAMETER		QUANTITY OR LOADING			Quality or Concentration				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
MERCURY, TOTAL (AS HG)	SAMPLE MEASUREMENT	*****	*****		*****	0.00038	0.00103	(19)	0	13 / 13	GRAB
71900 1 0 0	PERMIT REQUIREMENT	*****	*****	***	*****	0.00037	0.05	MG/L		ONCE / BATCH	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	*****						
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
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	PERMIT REQUIREMENT										

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B. M. Moore, Vice President Safety & Regulatory			423	743-9141	07	11
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COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
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TN0002038	001 Q
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FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	07	10	01		07	12	31

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		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS				
ARSENIC, TOTAL (AS AS) 01002 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****		< 0.00500	(19)	0	01 / 90	GRAB
	PERMIT REQUIREMENT	*****	*****	***	*****	*****	***	REPORT	MG/L		QTRLY	GRAB
CHROMIUM, TOTAL (AS CR) 01034 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****		0.00528	(19)	0	01 / 90	GRAB
	PERMIT REQUIREMENT	*****	*****	***	*****	*****	***	REPORT	MG/L		QTRLY	GRAB
NICKEL, TOTAL (AS NI) 01067 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****		0.00271	(19)	0	01 / 90	GRAB
	PERMIT REQUIREMENT	*****	*****	***	*****	*****	***	REPORT	MG/L		QTRLY	GRAB
TETRACHLOROETHYLENE 34475 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****		< 0.00025	(19)	0	01 / 90	GRAB
	PERMIT REQUIREMENT	*****	*****	***	*****	*****	***	REPORT	MG/L		QTRLY	GRAB
	SAMPLE MEASUREMENT										/	
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT										/	
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT										/	
	PERMIT REQUIREMENT											

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 B. M. Moore, Vice President
 Safety & Regulatory
 TYPED OR PRINTED

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.

B. M. Moore
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
423	743-9141	07	11	08
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