



**NUCLEAR FUEL SERVICES, INC.**  
a subsidiary of The Babcock & Wilcox Company

■ 1205 banner hill road ■ erwin, tn 37650 ■ phone 423.743.9141  
■ www.nuclearfuelservices.com

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

21G-10-0118  
GOV-05-01-01  
ACF-10-0160

June 8, 2010

Ms. Stephanie Fisher  
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) Letter from Stephanie Fisher to permittee, received on 10-27-08

Dear Ms. Fisher:

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 May 2010 as Attachment I.

Laboratory analyses for required permit parameters were performed on six (6) 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) 735-5584. Please reference our unique document identification number (21G-10-0118) in any correspondence concerning this letter.

Sincerely,

**NUCLEAR FUEL SERVICES, INC.**

B. Marie Moore, Manager  
Environmental Protection & Industrial Safety

CAH/rrm  
Attachment (1)

B.M. Moore to Ms. Stephanie Fisher  
June 8, 2010

21G-10-0118  
GOV-05-01-01  
ACF-10-0160

cc: U.S. Nuclear Regulatory Commission  
Region II  
245 Peachtree Center Ave., NE  
Suite 1200  
Atlanta, GA 30303-1257

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

B.M. Moore to Ms. Stephanie Fisher  
June 8, 2010

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Attachment I

May 2010 DMR

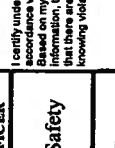
PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)  
 NAME: Nuclear Fuel Services  
 ADDRESS: P.O. Box 337  
 Erwin, TN 37650  
 FACILITY: Nuclear Fuel Services  
 1205 Banner Hill Road  
 LOCATION Erwin, TN 37650  
 Attn: Ms. B. Marie Moore

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
 DISCHARGE MONITORING REPORT (DMR)  
 TNO002038  
 PERMIT NUMBER 001 G  
 DISCHARGE NUMBER

DMR Mailing ZIP CODE: 37650  
 MAJOR EMH  
 (SUBR 06) TREATED PROCESS WASTEWATER

MONITORING PERIOD  
 FROM 05/01/10 TO 05/31/10  
 MM/DD/YYYY MM/DD/YYYY

No Discharge

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION		UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	VALUE	UNITS	VALUE	UNITS				
OXYGEN DEMAND, CHEM. (HIGH LEVEL) (COD)	*****	*****	*****	*****	mg/L	0	6	GRAB
00340 1 0 EFFLUENT GROSS pH	*****	*****	*****	*****	mg/L		Monthly	GRAB
00400 1 0 EFFLUENT GROSS SOLIDS, TOTAL SUSPENDED	*****	*****	6.95	*****	mg/L	0	6	GRAB
00530 1 0 EFFLUENT GROSS SOLIDS, SETTLEABLE	*****	*****	6	MINIMUM	SU		Once Per Batch	GRAB
00545 1 0 EFFLUENT GROSS VALUE NITROGEN, AMMONIA TOTAL (as N)	*****	*****	13.33	*****	mg/L	0	6	GRAB
00610 1 0 EFFLUENT GROSS NITRITE PLUS NITRATE TOTAL 1 DET. (as N)	*****	*****	30	MO AVG	mg/L		Once Per Batch	GRAB
00630 1 0 EFFLUENT GROSS FLUORIDE, TOTAL (as F)	*****	*****	0.2	*****	mL/L	0	6	GRAB
00951 1 0 EFFLUENT GROSS	*****	*****	0.5	DAILY MX	mL/L		Once Per Batch	GRAB
	*****	*****	9.67	*****	mg/L	0	6	GRAB
	*****	*****	20	MO AVG	mg/L		Once Per Batch	GRAB
	*****	*****	74.25	*****	*****	0	6	GRAB
	*****	*****	420	DAILY MX	*****		Once Per Batch	GRAB
	*****	*****	< 1	< 1	mg/L	0	6	GRAB
	*****	*****	15	MO AVG	mg/L		Once Per Batch	GRAB
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		TELEPHONE		DATE				
B. Marie Moore, Manager Environmental Protection & Industrial Safety		423-743-9141		06/08/2010				
TYPED OR PRINTED		AREA CODE		NUMBER				
		423-743-9141						
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		AREA CODE		NUMBER				
		423-743-9141						

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. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

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.

EPA Form 3320-1 (Rev. 01/06) Previous editions may be used. PAGE 1 OF 3


PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)  
 NAME: Nuclear Fuel Services  
 ADDRESS: P.O. Box 337  
 Erwin, TN 37650  
 FACILITY: Nuclear Fuel Services  
 LOCATION 1205 Banner Hill Road  
 Erwin, TN 37650  
 Attn: Ms. B. Marie Moore

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)  
 DISCHARGE MONITORING REPORT (DMR)  
 TN0002038  
 PERMIT NUMBER  
 001 G  
 DISCHARGE NUMBER  
 MONITORING PERIOD  
 MM/DD/YYYY TO MM/DD/YYYY  
 05/01/10 TO 05/31/10

DMR Mailing ZIP CODE: 37650  
 MAJOR (SUBR 06) EMH  
 TREATED PROCESS WASTEWATER  
 External Outfall

No Discharge

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION		UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	VALUE	UNITS	VALUE	UNITS				
MERCURY, TOTAL (as Hg)	*****	*****	*****	*****	mg/L	0	6	GRAB
71900 1.0 EFFLUENT GROSS	*****	*****	*****	*****	mg/L		Once Per Batch	GRAB
MERCURY, TOTAL (as Hg)	*****	*****	0.00009	*****	mg/L	0	6	GRAB
71900 2.0 EFFLUENT NET	*****	*****	0.00037 MO AVG	*****	mg/L		Once Per Batch	GRAB

NAME/TITLE, PRINCIPAL EXECUTIVE OFFICER B. Marie Moore, Manager Environmental Protection & Industrial Safety	TELEPHONE	DATE
TYPED OR PRINTED	423-743-9141 AREA CODE NUMBER	06/08/2010 MM/DD/YY
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT 		

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)  
 The chronic mercury limit shall apply only if the discharge of batches containing mercury occurs 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 the DMR calculations and reporting requirements. May 2010 did not have 4 consecutive days of discharge. The TRC limit is only applicable when chlorine is used in the treatment process.