



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-12-0115
GOV-05-01-01
ACF-12-0166

June 12, 2012

Mr. Patrick Cromer
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) Letter from Stephanie Fisher to permittee, received on 10-27-08

Dear Mr. Cromer:

As required by Part I, D.1 of NPDES Permit #TN0002038, we hereby submit the original and a copy of the Monthly Discharge Monitoring Report (DMR), EPA Form 3320-1, for May 2012, as Attachment I.

Laboratory analyses for required permit parameters were performed on fifteen (15) 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-12-0115) in any correspondence concerning this letter.

Sincerely,

NUCLEAR FUEL SERVICES, INC.

B. Marie Moore, Manager
Environmental Protection & Industrial Safety

CAH/rmm
Attachment (I): May 2012 DMR

B.M. Moore to Mr. Patrick Cromer
June 12, 2012

21G-12-0115
GOV-05-01-01
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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 Mr. Patrick Cromer
June 12, 2012

21G-12-0115
GOV-05-01-01
ACF-12-0166

Attachment I
May 2012 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)
 DMR Mailing ZIP CODE: 37650
 MAJOR (SUBR 06) EMH
 TREATED PROCESS WASTEWATER

001 G
 DISCHARGE NUMBER

MONITORING PERIOD
 FROM 05/01/2012 TO 05/31/2012

Form Approved
 OMB No. 2040-0044

No Discharge

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION		NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	VALUE	UNITS	VALUE	UNITS			
OXYGEN DEMAND, CHEM. (HIGH LEVEL) (COD)	*****	*****	*****	*****	0	15 / 15	GRAB
00340 1 0 EFFLUENT GROSS	*****	*****	*****	*****		Monthly	GRAB
pH	*****	*****	6.97	*****	0	15 / 15	GRAB
00400 1 0 EFFLUENT GROSS	*****	*****	6 MINIMUM	*****		Once Per Batch	GRAB
SOLIDS, TOTAL SUSPENDED	*****	*****	8.13	*****	0	15 / 15	GRAB
00530 1 0 EFFLUENT GROSS	*****	*****	30 MO AVG	*****		Once Per Batch	GRAB
SOLIDS, SETTLEABLE	*****	*****	*****	*****	0	15 / 15	GRAB
00545 1 0 EFFLUENT GROSS VALUE	*****	*****	*****	*****		Once Per Batch	GRAB
NITROGEN, AMMONIA TOTAL (as N)	*****	*****	0.5 DAILY MX	*****	0	15 / 15	GRAB
00610 1 0 EFFLUENT GROSS	*****	*****	13.47	*****		Once Per Batch	GRAB
NITRITE PLUS NITRATE TOTAL 1 DET. (as N)	*****	*****	20 MO AVG	*****	0	15 / 15	GRAB
00630 1 0 EFFLUENT GROSS	*****	*****	*****	*****		Once Per Batch	GRAB
FLUORIDE, TOTAL (as F)	*****	*****	< 2	*****	0	15 / 15	GRAB
00951 1 0 EFFLUENT GROSS	*****	*****	15 MO AVG	*****		Once Per Batch	GRAB
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		SIGNATURE OF PRINCIPAL EXECUTIVE		TELEPHONE		DATE	
B. Marie Moore, Manager Environmental Protection & Industrial Safety				423-743-9141		06/12/2012	
TYPED OR PRINTED		OFFICER OR AUTHORIZED AGENT		AREA CODE NUMBER		MM/DD/YYYY	
				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 understand that any false, misleading, or incomplete information may result in the assessment of penalties for generating this information, and 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.

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)

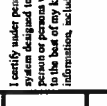
TN0002038 PERMIT NUMBER
 001 G DISCHARGE NUMBER

MONITORING PERIOD
 FROM 05/01/2012 TO 05/31/2012

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

Form Approved
 OMB No. 2061-0068

No Discharge

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION		UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	VALUE	UNITS	VALUE	VALUE				
CADMIUM, TOTAL (as Cd)	*****	*****	*****	0.00185	mg/L	0	01 / 30	GRAB
01027 1 0 EFFLUENT GROSS	*****	*****	*****	0.01 DAILY MX	mg/L		Monthly	GRAB
COPPER, TOTAL (as Cu)	*****	*****	*****	0.00465	mg/L	0	01 / 30	GRAB
01042 1 0 EFFLUENT GROSS	*****	*****	*****	1 DAILY MX	mg/L		Monthly	GRAB
LEAD, TOTAL (as Pb)	*****	*****	*****	< 0.0165	mg/L	0	01 / 30	GRAB
01051 1 0 EFFLUENT GROSS	*****	*****	*****	0.1 DAILY MX	mg/L		Monthly	GRAB
SILVER, TOTAL (as Ag)	*****	*****	*****	< 0.001	mg/L	0	01 / 30	GRAB
01077 1 0 EFFLUENT GROSS	*****	*****	*****	0.05 DAILY MX	mg/L		Monthly	GRAB
URANIUM, NATURAL, TOTAL	*****	*****	< 0.90		mg/L	0	15 / 15	GRAB
22708 1 0 GROSS EFFLUENT	*****	*****	2 MON AVG		mg/L		Once Per Batch	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	0.013970	0.014416	*****	*****	*****	0	15 / 15	ESTIMA
50050 1 0 EFFLUENT GROSS	Req. Mon. Mon. AVG	Req. Mon. DAILY MX	*****	*****	*****		Once Per Batch	ESTIMA
CHLORINE, TOTAL RESIDUAL	*****	*****	*****	N/A	mg/L	0	0 / 0	GRAB
50060 1 0 EFFLUENT GROSS	*****	*****	*****	2 DAILY MX	mg/L		Once Per Batch	GRAB
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE		DATE		
B. Marie Moore, Manager Environmental Protection & Industrial Safety				423-743-9141		06/12/2012		
TYPED OR PRINTED		OFFICER OR AUTHORIZED AGENT		AREA CODE NUMBER		MM/DD/YYYY		

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(s) who provided the information and my review of the information, I am aware that there are no significant omissions or misstatements of information, including the possibility of false and misleading information.

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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NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

IN0002038 PERMIT NUMBER
 001 G DISCHARGE NUMBER
 MONITORING PERIOD
 MM/DD/YYYY TO MM/DD/YYYY
 05/01/2012 TO 05/31/2012

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	15 / 15	GRAB
71900 1 0 EFFLUENT GROSS	*****	*****	*****	*****	mg/L		Once Per Batch	GRAB
MERCURY, TOTAL (as Hg)	*****	*****	0.00010	*****	mg/L	0	15 / 15	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	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
		TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT <i>B. Marie Moore</i>

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 2012 did not have 4 consecutive days of discharge. The TRC limit is only applicable when chlorine is used in the treatment process.