



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-12-0140
GOV-05-01-01
ACF-12-0192

July 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 June 2012, as Attachment I.

Laboratory analyses for required permit parameters were performed on twelve (12) 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-12-0140) in any correspondence concerning this letter.

Sincerely,

NUCLEAR FUEL SERVICES, INC.

B. Marie Moore, Manager
Environmental Protection & Industrial Safety

CAH/rmm
Attachment (I): June 2012 DMR

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

21G-12-0140
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Attachment I

June 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
 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

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	VALUE	UNITS	VALUE	VALUE	UNITS				
MERCURY, TOTAL (as Hg)	*****	*****	*****	*****	0.00022	mg/L	0	12	12	GRAB
71900 1 0 EFFLUENT GROSS	*****	*****	*****	*****	0.05	mg/L	0	Once per Batch		GRAB
MERCURY, TOTAL (as Hg)	*****	*****	*****	<	0.0001	mg/L	0	12	12	GRAB
71900 2 0 EFFLUENT NET	*****	*****	*****	0.00037	MO AVG	mg/L	0	Once per Batch		GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER B. Marie Moore, Manager Environmental Protection & Industrial Safety		TELEPHONE 423 743-9141		DATE 7/12/2012
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT 		MM/DD/YYYY MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS

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 the DMR calculations and reporting requirements. June 2012 did not have 4 consecutive days of discharge. 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)

DMR MAILING ZIP CODE: 37650
 MAJOR TREATED PROCESS WASTEWATER

PERMIT NUMBER: TN0002038
 DISCHARGE NUMBER: 001 G
 MONITORING PERIOD: FROM 06/01/12 TO 06/30/12

Form Approved
 OMB No. 2060-004

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	12	GRAB
00340 1 0 EFFLUENT GROSS	*****	*****	*****	*****	mg/L		Monthly	GRAB
pH	*****	*****	7.22	*****	mg/L	0	12	GRAB
00400 1 0 EFFLUENT GROSS	*****	*****	6 MINIMUM	*****	SU		Once per Batch	GRAB
SOLIDS, TOTAL SUSPENDED	*****	*****	14.08	*****	mg/L	0	12	GRAB
00530 1 0 EFFLUENT GROSS	*****	*****	30 MO AVG	*****	mg/L		Once per Batch	GRAB
SOLIDS, SETTLEABLE	*****	*****	*****	*****	mL/L	0	12	GRAB
00545 1 0 EFFLUENT GROSS	*****	*****	*****	*****	mL/L		Once per Batch	GRAB
NITROGEN, AMMONIA TOTAL (as N)	*****	*****	12.92	*****	mg/L	0	12	GRAB
00610 1 0 EFFLUENT GROSS	*****	*****	20 MO AVG	*****	mg/L		Once per Batch	GRAB
NITRITE PLUS NITRATE TOTAL 1 DET. (as N)	*****	*****	72.30	*****	*****	0	12	GRAB
00630 1 0 EFFLUENT GROSS	*****	*****	420 DAILY MX	*****	*****		Once per Batch	GRAB
FLUORIDE, TOTAL (as F)	*****	*****	*****	*****	mg/L	0	12	GRAB
00951 1 0 EFFLUENT GROSS	*****	*****	2.08	*****	mg/L	0	12	GRAB
	*****	*****	15 MO AVG	*****	mg/L		Once per Batch	GRAB

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.

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 B. Marie Moore, Manager
 Environmental Protection & Industrial Safety
 TYPED OR PRINTED

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER ON AUTHORIZED AGENT
 [Signature]

TELEPHONE NUMBER
 423-743-9141

DATE
 07/12/2012

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 MGL) A VALUE OF ZERO MAY BE USED. THE TRC LIMIT IS ONLY APPLICABLE WHEN CHLORINE IS USED IN THE TREATMENT PROCESS.

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

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
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TN0002038
 PERMIT NUMBER
 001 G
 DISCHARGE NUMBER
 MONITORING PERIOD
 MM/DD/YYYY TO MM/DD/YYYY
 06/01/12 TO 06/30/12

No Discharge

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION		UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	VALUE	UNITS	VALUE	UNITS				
CADMIUM, TOTAL (as Cd)	*****	*****	*****	*****	mg/L	0	01	GRAB
01027 1 0 EFFLUENT GROSS	*****	*****	*****	*****	mg/L	0	Monthly	GRAB
COPPER, TOTAL (as Cu)	*****	*****	*****	*****	mg/L	0	01	GRAB
01042 1 0 EFFLUENT GROSS	*****	*****	*****	*****	mg/L	0	Monthly	GRAB
LEAD, TOTAL (as Pb)	*****	*****	*****	*****	mg/L	0	01	GRAB
01051 1 0 EFFLUENT GROSS	*****	*****	*****	*****	mg/L	0	Monthly	GRAB
SILVER, TOTAL (as Ag)	*****	*****	*****	*****	mg/L	0	01	GRAB
01077 1 0 EFFLUENT GROSS	*****	*****	*****	*****	mg/L	0	Monthly	GRAB
URANIUM, NATURAL, TOTAL	*****	*****	*****	*****	mg/L	0	12	GRAB
22708 1 0 EFFLUENT GROSS	*****	*****	*****	*****	mg/L	0	Once Per Batch	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	0.014231	Mgal/d	0.015331	Mgal/d	*****	0	12	ESTIMA
50050 1 0 EFFLUENT GROSS	Req. Mon. MO AVG	*****	Req. Mon. DAILY MX	*****	*****	0	Once Per Batch	ESTIMA
CHLORINE, TOTAL RESIDUAL	*****	*****	*****	*****	N/A	0	0	GRAB
50060 1 0 EFFLUENT GROSS	*****	*****	*****	*****	mg/L	0	Once Per Batch	GRAB

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.

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 B. Marie Moore, Manager
 Environmental Protection & Industrial Safety
 TYPED OR PRINTED
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 423 743-9141
 AREA CODE NUMBER
 TELEPHONE NUMBER
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