



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-12-0156
GOV-05-01-01
ACF-12-0212

August 8, 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 July 2012 as Attachment I. Also included are the 3rd Quarter 2012 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) 735-5584. Please reference our unique document identification number (21G-12-0156) in any correspondence concerning this letter.

Sincerely,

NUCLEAR FUEL SERVICES, INC.

B. Marie Moore, Manager
Environmental Protection & Industrial Safety

CAH/trm
Attachment (1): July 2012 DMR

B.M. Moore to Mr. Patrick Cromer
August 8, 2012

21G-12-0156
GOV-05-01-01
ACF-12-0212

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
August 8, 2012

21G-12-0156
GOV-05-01-01
ACF-12-0212

Attachment I

July 2012 DMR

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Nuclear Fuel Services
ADDRESS 1205 Banner Hill Road
 Erwin, TN 37650
FACILITY Nuclear Fuel Services
LOCATION 1205 Banner Hill Road
 Erwin, TN 37650
 Attn: 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 (SUJR 06)
 TREATED PROCESS WASTEWATER
 External Outfall

MONITORING PERIOD
 FROM MM/DD/YYYY TO MM/DD/YYYY
 07/01/2012 TO 07/31/2012

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	13	GRAB
00340 1 0 EFFLUENT GROSS PH	*****	*****	*****	*****	0	13	GRAB
00400 1 0 EFFLUENT GROSS SOLIDS, TOTAL SUSPENDED	*****	*****	*****	*****	0	13	GRAB
00530 1 0 EFFLUENT GROSS SOLIDS, SETTLEABLE	*****	*****	*****	*****	0	13	GRAB
00545 1 0 EFFLUENT GROSS NITROGEN, AMMONIA TOTAL (as N)	*****	*****	*****	*****	0	13	GRAB
00610 1 0 EFFLUENT GROSS NITRITE PLUS NITRATE TOTAL 1 DET. (as N)	*****	*****	*****	*****	0	13	GRAB
00630 1 0 EFFLUENT GROSS FLUORIDE, TOTAL (as F)	*****	*****	*****	*****	0	13	GRAB
00951 1 0 EFFLUENT GROSS	*****	*****	*****	*****	0	13	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 prepared the information, 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. M. Moore, Manager
 Environmental Protection & Industrial Safety
 TYPED OR PRINTED

B. M. Moore
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT
 AREA CODE NUMBER
 423 743-9141

TELEPHONE
 DATE
 08/08/2012

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 THE MERCURY (Hg) LMT APPLIES ONLY IF DISCHARGES CONTAINING Hg OCCUR 4+ CONSECUTIVE DAYS/AWK DURING THE MON. PERIOD. OTHERWISE, ONLY THE DAILY MAX LMT APPLIES. IF ANY TEST RESULT FOR Hg IS < THE MIN. QUANT. LEVEL (0.0002 MG/L), THEN ZERO MAY BE USED FOR DMR CALCS AND REPORT. RQRMNTS.

PERMITTEE NAME/ADDRESS (Include Facility Name Location if Different)
NAME: Nuclear Fuel Services
ADDRESS: 1205 Banner Hill Road
 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)
 TREATED PROCESS WASTEWATER
 External Outfall

MONITORING PERIOD
 MM/DD/YYYY TO MM/DD/YYYY
 07/01/2012 TO 07/31/2012

No Discharge

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION		NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	VALUE	UNITS	VALUE	UNITS			
CADMIUM, TOTAL (as Cd)	*****	*****	*****	*****	0	01	GRAB
01027 1 0 EFFLUENT GROSS	*****	*****	*****	*****	0	01	GRAB
COPPER, TOTAL (as Cu)	*****	*****	*****	*****	0	01	GRAB
01042 1 0 EFFLUENT GROSS	*****	*****	*****	*****	0	01	GRAB
LEAD, TOTAL (as Pb)	*****	*****	*****	*****	0	01	GRAB
01051 1 0 EFFLUENT GROSS	*****	*****	*****	*****	0	01	GRAB
SILVER, TOTAL (as Ag)	*****	*****	*****	*****	0	01	GRAB
01077 1 0 EFFLUENT GROSS	*****	*****	*****	*****	0	01	GRAB
URANIUM, NATURAL, TOTAL	*****	*****	*****	*****	0	01	GRAB
22708 1 0 EFFLUENT GROSS	*****	*****	*****	*****	0	01	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	0.014383	MGD	0.014769	MGD	0	13	ESTIMA
50050 1 0 EFFLUENT GROSS	*****	*****	*****	*****	0	01	GRAB
CHLORINE, TOTAL RESIDUAL	*****	*****	*****	*****	0	01	GRAB
50060 1 0 EFFLUENT GROSS	*****	*****	*****	*****	0	01	GRAB

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NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 B. M. Moore, Manager
 Environmental Protection & Industrial Safety

TELEPHONE
 423 743-9141
AREA CODE
NUMBER

DATE
 08/09/2012
MM/DD/YYYY

TYPED OR PRINTED
COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 THE MERCURY (Hg) LMT APPLIES ONLY IF DISCHARGES CONTAINING Hg OCCUR 4+ CONSECUTIVE DAYS/WK DURING THE MON. PERIOD. OTHERWISE, ONLY THE DAILY MAX LMT APPLIES. IF ANY TEST RESULT FOR Hg IS < THE MIN. QUANT. LEVEL (0.0002 MG/L), THEN ZERO MAY BE USED FOR DMR CALCS AND REPORT. RQRMTS.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
 NAME: Nuclear Fuel Services
 ADDRESS: 1205 Banner Hill Road
 Erwin, TN 37650
 FACILITY: Nuclear Fuel Services
 LOCATION: 1205 Banner Hill Road
 Erwin, TN 37650
 Attn: 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)
 TREATED PROCESS WASTEWATER
 External Outfall

MONITORING PERIOD
 FROM MM/DD/YYYY TO MM/DD/YYYY
 7/1/2012 TO 7/31/2012

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION		NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	VALUE	UNITS	VALUE	UNITS			
MERCURY, TOTAL (as Hg)	*****	*****	MNR	mg/L	0	13	GRAB
71900 1 0 EFFLUENT GROSS	*****	*****	.00037 MO AVG	mg/L		Once Per Batch	GRAB

No Discharge

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER B. M. Moore, Manager Environmental Protection & Industrial Safety	TELEPHONE 423 743-9141	DATE 08/08/2012
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT 		AREA CODE NUMBER 08/08/2012
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.

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

THE MERCURY (Hg) LMT APPLIES ONLY IF DISCHARGES CONTAINING Hg OCCUR 4+ CONSECUTIVE DAYS/WK DURING THE MON. PERIOD. OTHERWISE, ONLY THE DAILY MAX LMT APPLIES. IF ANY TEST RESULT FOR Hg IS < THE MIN. QUANT. LEVEL (0.0002 MG/L), THEN ZERO MAY BE USED FOR DMR CALCS AND REPORT. RQRMTS. JULY 2012 DID NOT HAVE MORE THAN 4 CONSECUTIVE DAYS OF DISCHARGE.

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

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


DMR Mailing ZIP CODE: 37650
 MAJOR (SUBR 06)
 QUARTERLY REPORTING
 External Outfall

TN0002038
 PERMIT NUMBER

MONITORING PERIOD
 FROM 07/01/2012 TO 09/30/2012

No Discharge

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION		UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	VALUE	UNITS	VALUE	UNITS				
ARSENIC, TOTAL (as As)	*****	*****	BDL<	0.005	mg/L	0	01	GRAB
01002 1 0 EFFLUENT GROSS	*****	*****	Req. Mon. DAILY MX		mg/L		Quarterly	GRAB
CHROMIUM, TOTAL (as Cr)	*****	*****	BDL<	0.001	mg/L	0	01	GRAB
01034 1 0 EFFLUENT GROSS	*****	*****	Req. Mon. DAILY MX		mg/L		Quarterly	GRAB
NICKEL, TOTAL (as Ni)	*****	*****	0.00288		mg/L	0	01	GRAB
01067 1 0 EFFLUENT GROSS	*****	*****	Req. Mon. DAILY MX		mg/L		Quarterly	GRAB
TETRACHLOROETHYLENE	*****	*****	BDL<	0.0003	mg/L	0	01	GRAB
34475 1 0 EFFLUENT GROSS	*****	*****	Req. Mon. DAILY MX		mg/L		Quarterly	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER B. M. Moore, Manager Environmental Protection & Industrial Safety	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE
TYPED OR PRINTED		AREA CODE NUMBER 423 743-9141	08/08/2012

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

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 info 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.

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

7/18/2012 Page 1