



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-11-0204
GOV-05-01-01
ACF-11-0330

November 7, 2011

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 Monthly Discharge Monitoring Report (DMR), EPA Form 3320-1, for October 2011 as Attachment I. Also included are the Fourth Quarter 2011 metals and PCE analyses.

Laboratory analyses for required permit parameters were performed on ten (10) 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-11-0204) in any correspondence concerning this letter.

Sincerely,

NUCLEAR FUEL SERVICES, INC.

B. Marie Moore, Manager
Environmental Protection & Industrial Safety

CAH/rrm
Attachment (1): October 2011 DMR

B.M. Moore to Mr. Patrick Cromer
November 7, 2011

21G-11-0204
GOV-05-01-01
ACF-11-0330

Attachment I

October 2011 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)


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

TN0002038
 PERMIT NUMBER

001 G
 DISCHARGE NUMBER

MONITORING PERIOD
 FROM MM/DD/YYYY TO MM/DD/YYYY
 10/01/2011 TO 10/31/2011

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	10	GRAB
00340 1 0 EFFLUENT GROSS	*****	*****	*****	*****	mg/L		Monthly	GRAB
pH	*****	*****	6.52	*****	SU	0	10	GRAB
00400 1 0 EFFLUENT GROSS	*****	*****	6	*****	SU		Once Per Batch	GRAB
SOLIDS, TOTAL SUSPENDED	*****	*****	MINIMUM	*****	mg/L	0	10	GRAB
00530 1 0 EFFLUENT GROSS	*****	*****	30	MO AVG	mg/L		Once Per Batch	GRAB
SOLIDS, SETTLEABLE	*****	*****	*****	*****	mL/L	0	10	GRAB
00545 1 0 EFFLUENT GROSS	*****	*****	*****	*****	mL/L		Once Per Batch	GRAB
NITROGEN, AMMONIA TOTAL (as N)	*****	*****	7.30	*****	mg/L	0	10	GRAB
00610 1 0 EFFLUENT GROSS	*****	*****	20	MO AVG	mg/L		Once Per Batch	GRAB
NITRITE PLUS NITRATE TOTAL 1 DET. (as N)	*****	70.53	*****	*****	*****	0	10	GRAB
00630 1 0 EFFLUENT GROSS	*****	420	DAILY MX	*****	*****		Once Per Batch	GRAB
FLUORIDE, TOTAL (as F)	*****	*****	*****	*****	mg/L	0	10	GRAB
00951 1 0 EFFLUENT GROSS	*****	*****	15	MO AVG	mg/L		Once Per Batch	GRAB
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE		DATE		
B. M. Moore, Manager Environmental Protection & Industrial Safety				423 743-9141		11/07/2011		
TYPED OR PRINTED		AUTHORIZED AGENT		AREA CODE NUMBER		MM/DD/YYYY		
				423 743-9141		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 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)
 AVERAGE 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.

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	001 G
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	
MM/DD/YYYY	MM/DD/YYYY
FROM 10/01/2011	TO 10/31/2011

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	VALUE				
CADMIUM, TOTAL (as Cd)	*****	*****	*****	<	mg/L	0	01 / 30	GRAB
01027 1 0 EFFLUENT GROSS	*****	*****	*****	0.01 DAILY MX	mg/L		Monthly	GRAB
COPPER, TOTAL (as Cu)	*****	*****	*****	<	mg/L	0	01 / 30	GRAB
01042 1 0 EFFLUENT GROSS	*****	*****	*****	1 DAILY MX	mg/L		Monthly	GRAB
LEAD, TOTAL (as Pb)	*****	*****	*****	<	mg/L	0	01 / 30	GRAB
01051 1 0 EFFLUENT GROSS	*****	*****	*****	0.1 DAILY MX	mg/L		Monthly	GRAB
SILVER, TOTAL (as Ag)	*****	*****	*****	<	mg/L	0	01 / 30	GRAB
01077 1 0 EFFLUENT GROSS	*****	*****	*****	0.05 DAILY MX	mg/L		Monthly	GRAB
URANIUM, NATURAL, TOTAL	*****	*****	*****	<	mg/L	0	10 / 10	GRAB
22708 1 0 EFFLUENT GROSS	*****	*****	*****	2 MO AVG	mg/L		Once Per Batch	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	0.012481	0.014134	*****	*****	Mgal/d	0	10 / 10	ESTIMA
50050 1 0 EFFLUENT GROSS	Req. Mon. MO AVG	Req. Mon. DAILY MX	*****	*****	Mgal/d		Once Per Batch	ESTIMA
CHLORINE, TOTAL RESIDUAL	*****	*****	*****	N/A	mg/L	0	0	GRAB
50060 1 0 EFFLUENT GROSS	*****	*****	*****	2 DAILY MX	mg/L	0	Once Per Batch	GRAB
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER					TELEPHONE	DATE		
B. M. Moore, Manager Environmental Protection & Industrial Safety					423 743-9141	11/07/2011		
TYPED OR PRINTED					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 the requirements of the law. I am a duly licensed professional engineer and I am a duly licensed professional geologist. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

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.

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

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

MONITORING PERIOD
 FROM 10/1/2011 TO 12/31/2011

No Discharge

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION		UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	VALUE	UNITS	VALUE	VALUE				
ARSENIC, TOTAL (as As)	*****	*****	*****	< 0.005	mg/L	0	01 / 90	GRAB
01002 1 0 EFFLUENT GROSS	*****	*****	*****	Req. Mon. DAILY MX	mg/L		Quarterly	GRAB
CHROMIUM, TOTAL (as Cr)	*****	*****	*****	< 0.001	mg/L	0	01 / 90	GRAB
01034 1 0 EFFLUENT GROSS	*****	*****	*****	Req. Mon. DAILY MX	mg/L		Quarterly	GRAB
NICKEL, TOTAL (as Ni)	*****	*****	*****	< 0.0015	mg/L	0	01 / 90	GRAB
01067 1 0 EFFLUENT GROSS	*****	*****	*****	Req. Mon. DAILY MX	mg/L		Quarterly	GRAB
TETRACHLOROETHYLENE	*****	*****	*****	< 0.0003	mg/L	0	01 / 90	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	TELEPHONE 423 743-9141	DATE 11/07/2011
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 prepared rather than compile 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.		
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT 		
TYPED OR PRINTED		

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