



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-13-0268
GOV-05-01-01
ACF-13-0303

December 12, 2013

Ms. Dana Waits
Enforcement and Compliance Section
Tennessee Department of Environment and Conservation
Division of Water Pollution Control
William R. Snodgrass Tennessee Tower, 11th Floor
312 Rosa L. Parks Avenue
Nashville, TN 37243

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. Waits:

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 November 2013 as Attachment I.

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-13-0268) in any correspondence concerning this letter.

Sincerely,

NUCLEAR FUEL SERVICES, INC.

B. Marie Moore, Manager
Environmental Protection & Industrial Safety

CAH/rmm
Attachment: November 2013 DMR

B.M. Moore to Ms. Dana Waits
December 12, 2013

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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 Ms. Dana Waits
December 12, 2013

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Attachment I

November 2013 DMR

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Nuclear Fuel Services, Inc.
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
MM/DD/YYYY TO MM/DD/YYYY
11/01/2013 11/30/2013

No Discharge

PARAMETER	QUANTITY OR LOADING		UNITS		QUALITY OR CONCENTRATION		UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
	VALUE	VALUE	VALUE	VALUE	VALUE						
OXYGEN DEMAND, CHEM. (HIGH LEVEL) (COD)	*****	*****	*****	*****	*****	310	0	10	10	GRAB	
00340 1 0 EFFLUENT GROSS	*****	*****	*****	*****	*****	DAILY MX	mg/L	Monthly		GRAB	
pH	*****	*****	*****	6.61	*****	8.32	0	10	10	GRAB	
00400 1 0 EFFLUENT GROSS	*****	*****	*****	6	*****	MAXIMUM	SU	Once Per Batch		GRAB	
SOLIDS, TOTAL SUSPENDED	*****	*****	*****	*****	*****	29	0	10	10	GRAB	
00530 1 0 EFFLUENT GROSS	*****	*****	*****	*****	*****	40	mg/L	Once Per Batch		GRAB	
SOLIDS, SETTLEABLE	*****	*****	*****	*****	*****	0.1	0	10	10	GRAB	
00545 1 0 EFFLUENT GROSS	*****	*****	*****	*****	*****	DAILY MX	mL/L	Once Per Batch		GRAB	
NITROGEN, AMMONIA TOTAL (as N)	*****	*****	*****	*****	*****	15	0	10	10	GRAB	
00610 1 0 EFFLUENT GROSS	*****	*****	*****	*****	*****	30	mg/L	Once Per Batch		GRAB	
NITRITE PLUS NITRATE TOTAL 1 DET. (as N)	*****	114.14	*****	*****	*****	*****	0	10	10	GRAB	
00630 1 0 EFFLUENT GROSS	*****	420	*****	*****	*****	DAILY MX	*****	Once Per Batch		GRAB	
FLUORIDE, TOTAL (as F)	*****	*****	*****	*****	*****	5	0	10	10	GRAB	
00951 1 0 EFFLUENT GROSS	*****	*****	*****	*****	*****	DAILY MX	mg/L	Once Per Batch		GRAB	
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	B. M. Moore, Manager		Environmental Protection & Industrial Safety		TELEPHONE		423 743-9141		DATE		
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE		OFFICER OR AUTHORIZED AGENT		AREA CODE NUMBER		12/12/2013		MM/DD/YYYY	

Comments and Explanation of any violations (Reference all attachments here)

THE MERCURY (Hg) LMT APPLIES ONLY IF DISCHARGES CONTAINING Hg OCCUR 4+ CONSECUTIVE DAYS/MK DURING THE MON. PERIOD. OTHERWISE, ONLY THE DAILY MAX LMT APPLIES. IF ANY TEST RESULTS FOR Hg IS < THE MIN. QUANT. LEVEL (0.0002 MG/L), THEN ZERO MAY BE USED FOR DMR CALCS AND REPORT. RQRMNTS.

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FACILITY Nuclear Fuel Services
LOCATION 1205 Banner Hill Road
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Attn: B. Marie Moore

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
TN0002038
PERMIT NUMBER

DMR Mailing Zip
MAJOR
(SUBR 06)
TREATED PROCESS WASTEWATER
External Outfall

MONITORING PERIOD
MM/DD/YYYY TO
11/01/2013 11/30/2013

No Discharge

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING		QUALITY OR CONCENTRATION		UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	UNITS	VALUE	VALUE				
CADMIUM, TOTAL (as Cd)	01027 1 0 EFFLUENT GROSS	*****	*****	*****	BDL<	0.00055	0	01 / 30	GRAB
COPPER, TOTAL (as Cu)	01042 1 0 EFFLUENT GROSS	*****	*****	*****	BDL<	0.00954	0	Monthly	GRAB
LEAD, TOTAL (as Pb)	01051 1 0 EFFLUENT GROSS	*****	*****	*****	BDL<	0.0025	0	Monthly	GRAB
SILVER, TOTAL (as Ag)	01077 1 0 EFFLUENT GROSS	*****	*****	*****	BDL<	0.001	0	Monthly	GRAB
URANIUM, NATURAL, TOTAL	22708 1 0 EFFLUENT GROSS	*****	*****	*****	BDL<	0.90	0	Once Per Batch	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	50050 1 0 EFFLUENT GROSS	0.013958	0.015227	MGD	*****	*****	0	10 / 10	ESTIMA
CHLORINE, TOTAL RESIDUAL	50060 1 0 EFFLUENT GROSS	*****	*****	*****	*****	MNR	0	0 / 0	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 ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, I believe that these persons are duly qualified to gather, analyze, and report the information. 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

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

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

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NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)
 TN0002038
 PERMIT NUMBER

DMR Mailing ZIP CODE: 37650
 MAJOR
 TREATED PROCESS WASTEWATER

No Discharge ☐

MONITORING PERIOD
 FROM 11/01/2013 TO 11/30/2013

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING		QUALITY OR CONCENTRATION		UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	VALUE	VALUE				
MERCURY, TOTAL (as Hg)		*****	*****	MNR	0.00024	mg/L	0	10	GRAB
71900 1 0		*****	*****	.00037	.05	mg/L		10	GRAB
EFFLUENT GROSS	PERMIT REQUIREMENT	*****	*****	MO AVG	DAILY MX			Once Per Batch	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER B. M. 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 ensure 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
	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT <i>B. M. Moore</i>		423 743-9141 AREA CODE NUMBER	12/12/2013 MM/DD/YYYY
TYPED OR PRINTED				

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

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