



Energy Fuels Resources

March 26, 2012

Colorado Department of Health
Water Quality Control Division
WQCD-P-B2
4300 Cherry Creek Drive South
Denver, CO 80246-1530

RECEIVED

MAR 28 2012
GRAND JUNCTION FIELD OFFICE
DIVISION OF
RECLAMATION MINING & SAFETY

RE: Submittal of February 2012 Discharge Monitoring Report

To Whom It May Concern:

Energy Fuels Resources Corporation (Energy Fuels) is providing the attached Discharge Monitoring Report (DMR) for the month of February 2012. The Whirlwind Mine water treatment plant is located at 30100 5/10 Road, Gateway, Colorado 81522. Discharge of treated water from the Whirlwind Mine is allowed in accordance with Colorado Discharge Permit System (CDPS) permit number CO-0047562.

As of December 9, 2009 Energy Fuels has suspended dewatering of the mine and is allowing the mine water to accumulate within the mine workings. Accordingly, there was no treated mine water discharge in February 2012.

Please contact me at (303) 974-2151 if you need any additional information.

Sincerely,

Ryan Ellis

Cc: Russ Means (DRMS)
Scott Gerwe (BLM - Grand Junction Field Office)
Dick White, Frank Filas (Energy Fuels)

Attachment: February 2012 DMR

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)MINOR
(SUBR DW)
F - FINAL

MESA

POST TRMNT DISCH TO LUMSDEN CR

*** NO DISCHARGE ☒ ***
NOTE: Read Instructions before completing this form.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

NAME ENERGY FUELS RESOURCES CORP.

ADDRESS WHIRLWIND PROJECT

31525 ROAD 90

NUCLA

CO 81424

FACILITY WHIRLWIND PROJECT

LOCATION GATEWAY

CO 81522

ATTN: STEPHEN ANTHONY, EXEC VP/COO

C00047562
PERMIT NUMBER001 A
DISCHARGE NUMBER

MONITORING PERIOD

FROM YEAR MO DAY TO YEAR MO DAY
12 02 01 TO 12 02 29

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PH	☒	SAMPLE MEASUREMENT	*****	*****				(12)			
00400 1 0 0 EFFLUENT GROSS VALUE	☒	PERMIT REQUIREMENT	*****	*****	6.5 MINIMUM	*****	9.0 MAXIMUM	50		WEEKLY	GRAB
SOLIDS, TOTAL SUSPENDED	☒	SAMPLE MEASUREMENT	*****	*****	*****			(19)			
00530 1 0 0 EFFLUENT GROSS VALUE	☒	PERMIT REQUIREMENT	*****	*****	*****	20 30DA AVG	30 MX 7D AV	MG/L		WEEKLY	COMPOS
SELENIUM, TOTAL RECO VERABLE	☒	SAMPLE MEASUREMENT	*****	*****	*****			(28)			
00981 1 0 0 EFFLUENT GROSS VALUE	☒	PERMIT REQUIREMENT	*****	*****	*****	20 30DA AVG	REPORT DAILY MX	UG/L		WEEKLY	COMPOS
ARSENIC, TOTAL (AS AS)	☒	SAMPLE MEASUREMENT	*****	*****	*****			(28)			
01002 1 0 0 EFFLUENT GROSS VALUE	☒	PERMIT REQUIREMENT	*****	*****	*****	100 30DA AVG	REPORT DAILY MX	UG/L		WEEKLY	COMPOS
ZINC TOTAL RECOVERABLE	☒	SAMPLE MEASUREMENT	*****	*****	*****			(28)			
01094 1 0 0 EFFLUENT GROSS VALUE	☒	PERMIT REQUIREMENT	*****	*****	*****	500 30DA AVG	1000 DAILY MX	UG/L		WEEKLY	COMPOS
CADMIUM TOTAL RECOVERABLE	☒	SAMPLE MEASUREMENT	*****	*****	*****			(28)			
01113 1 0 0 EFFLUENT GROSS VALUE	☒	PERMIT REQUIREMENT	*****	*****	*****	10 30DA AVG	REPORT DAILY MX	UG/L		WEEKLY	COMPOS
OIL AND GREASE	☒	SAMPLE MEASUREMENT	*****	*****	*****			(19)			
03582 1 0 0 EFFLUENT GROSS VALUE	☒	PERMIT REQUIREMENT	*****	*****	*****	*****	10 INST MAX	MG/L		CONTIN GENT	GRAB
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		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			
Ryan Ellis Env. Eng. TYPED OR PRINTED						303 9742151		12	3	26	
		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT				AREA CODE		NUMBER			

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

QUARTERLY SAMPLING & REPORTING INSTRUCTIONS - SEE I. C. 9, PAGE 9. OIL AND GREASE - SEE I. C. 15.

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CO 81424

FACILITY WHIRLWIND PROJECT

LOCATION GATEWAY

CO 81522

ATTN: STEPHEN ANTHONY, EXEC VP/COO

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

C00047562

PERMIT NUMBER

001 A

DISCHARGE NUMBER

MINOR

(SUBR DW)

F - FINAL

MESA

POST TRMNT DISCH TO LUMSDEN CR

MONITORING PERIOD

FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
12	02	01	12	02	29

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PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
RADIUM 226, DISSOLVED	SAMPLE MEASUREMENT	*****	*****		*****		*****	(17)			
09503 1 0 1	PERMIT REQUIREMENT	*****	*****	****	*****	3	*****	PCI/L		WEEKLY	COMPOS
EFFLUENT GROSS VALUE				****		30DA AVG					
MANGANESE, TOTAL RECOVERABLE	SAMPLE MEASUREMENT	*****	*****		*****			(28)			
11123 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	200	REPORT			WEEKLY	COMPOS
EFFLUENT GROSS VALUE				****		30DA AVG	DAILY MX	UG/L			
RADIUM 226 + RADIUM 228, TOTAL	SAMPLE MEASUREMENT	*****	*****		*****	*****		(17)			
11503 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	*****	5	PCI/L		WEEKLY	COMPOS
EFFLUENT GROSS VALUE				****			DAILY MX				
URANIUM, TOTAL AS U3O8	SAMPLE MEASUREMENT	*****	*****		*****			(28)			
22706 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	700	1100			WEEKLY	COMPOS
EFFLUENT GROSS VALUE				****		30DA AVG	DAILY MX	UG/L			
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT			(03)	*****	*****	*****				
50050 1 0 0	PERMIT REQUIREMENT	0.03	REPORT		*****	*****	*****	****		CONTINUOUS	RECORD
EFFLUENT GROSS VALUE		30DA AVG	DAILY MX	MGD				****			
CHEMICAL OXYGEN DEMAND (COD)	SAMPLE MEASUREMENT	*****	*****		*****			(19)			
31017 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	100	200			WEEKLY	COMPOS
EFFLUENT GROSS VALUE				****		30DA AVG	DAILY MX	MG/L			
OIL AND GREASE VISUAL	SAMPLE MEASUREMENT	*****		(94)	*****	*****	*****				
84066 1 0 0	PERMIT REQUIREMENT	*****	REPORT YES=1		*****	*****	*****	****		WEEKLY	VISUAL
EFFLUENT GROSS VALUE			INST MAX NO=0					****			
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		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			
Ryan Ellis ENV. Eng						303.974-2157		12	3	26	
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT				AREA CODE NUMBER		YEAR MO DAY			

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DISCHARGE MONITORING REPORT (DMR)

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PERMIT NUMBER

MON 1

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(SUBR DW)

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		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
CYANIDE, WEAK ACID, DISSOCIABLE	SAMPLE MEASUREMENT	*****	*****		*****			(19)			
00718 1 0 0	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT 30DA AVG	REPORT DAILY MX	MG/L		ONCE/ MONTH	COMPOS
EFFLUENT GROSS VALUE											
BERYLLIUM, TOTAL (AS BE)	SAMPLE MEASUREMENT	*****	*****		*****			(28)			
01012 1 0 0	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT 30DA AVG	REPORT DAILY MX	UG/L		ONCE/ MONTH	COMPOS
EFFLUENT GROSS VALUE											
BORON, TOTAL (AS B)	SAMPLE MEASUREMENT	*****	*****		*****			(19)			
01022 1 0 0	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT 30DA AVG	REPORT DAILY MX	MG/L		ONCE/ MONTH	COMPOS
EFFLUENT GROSS VALUE											
NICKEL TOTAL RECOVERABLE	SAMPLE MEASUREMENT	*****	*****		*****			(28)			
01074 1 0 0	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT 30DA AVG	REPORT DAILY MX	UG/L		ONCE/ MONTH	COMPOS
EFFLUENT GROSS VALUE											
LEAD TOTAL RECOVERABLE	SAMPLE MEASUREMENT	*****	*****		*****			(28)			
01114 1 0 0	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT 30DA AVG	REPORT DAILY MX	UG/L		ONCE/ MONTH	COMPOS
EFFLUENT GROSS VALUE											
VANADIUM, TOTAL RECOVERABLE	SAMPLE MEASUREMENT	*****	*****		*****			(28)			
01123 1 0 0	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT 30DA AVG	REPORT DAILY MX	UG/L		ONCE/ MONTH	COMPOS
EFFLUENT GROSS VALUE											
CHROMIUM, TRIVALENT TOTAL RECOVERABLE	SAMPLE MEASUREMENT	*****	*****		*****			(28)			
04262 1 0 0	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT 30DA AVG	REPORT DAILY MX	UG/L		ONCE/ MONTH	COMPOS
EFFLUENT GROSS VALUE											
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