

1F100

DOE ORDER #
9 6 R F 0 6 5 6 7



**Rocky Mountain
Remediation Services, L.L.C.**
... protecting the environment



000064763

Rocky Flats Environmental Technology Site
P.O. Box 464
Golden, Colorado 80402-0464
Phone: (303) 966-2678
Fax: (303) 966-8244

November 19, 1996

96-RF-06567
96-RM-ER-0144-DOE

Joseph A. Legare
Acting Assistant Manager, Environmental Compliance
DOE, RFFO

Attn.: J. Stover

MONTHLY DISCHARGE MONITORING REPORT - NPDES PERMIT NO. CO0001333 - JLM-206-96

Action: Transmit to EPA and CDPHE

The October 1996 Discharge Monitoring Report (DMR), required by the Rocky Flats Plant National Pollutant Discharge Elimination System (NPDES) Permit is attached.

During the month of October 1996, there were no discharges from Pond A-4 (Outfall 005) or Pond C-2 (Outfall 007). Pond A-3 (Outfall 002) began discharge on October 28, 1996, and continued through October 31, 1996. This discharge was direct via the ponds outlet works to Pond A-4 and did not utilize the temporary bypass line. Pond B-5 (Outfall 006) began discharge on October 1, 1996, and continued through October 10, 1996. There was continuous discharge from Pond B-3 (Outfall 001) and the Sewage Treatment Plant (Outfall STP) during the reporting period.

On October 29, 1996, the Site experienced force majeure conditions, namely severe winds, which prevented any field sampling activities to be performed. At approximately 10:30 A.M. the Site was closed as the hazardous wind conditions were not expected to subside. All field activities had been halted for safety reasons resulting in missed samples from the STP for pH and total residual chlorine, from Pond B-3 for total residual chlorine and from the ongoing discharge of Pond A-3 for pH and total nitrate as nitrogen. Don Terrell, U. S. Environmental Protection Agency (EPA), was notified by telephone of the conditions at the Site and of the missed samples at approximately 10:50 A.M. that same day. A formal written notification from DOE was also sent to EPA on November 6, 1996. All discharge parameters prior to and following October 29, 1996 were within permit limitations. No water from these outfalls was released offsite as these locations are not terminal discharge points for the Site.

It is necessary that the Principal Executive Officer sign and date the letter and the DMR forms. Per verbal request of the EPA, forms for those discharge points which were not active are included with the notation of "No Discharge." Additional monitoring data as required by the NPDES Federal Facilities Compliance Agreement is attached on a separate sheet. The NPDES permit requires that the report be postmarked no later than November 28, 1996, and be sent to the following:

Mr. Don Terrell
8-ENF-T
Water Management Division
U.S. E.P.A., Region VIII
999 - 18th Street, Suite 500
Denver, CO 80202-2466

Colorado Department of Public Health and Environment
Attention: Mr. Robert Shukle
Monitoring and Enforcement Section
WQCD - PE - B2
4300 Cherry Creek Drive South
Denver, CO 80222-1530

DIST.	LTR	ENC
Bengal, P.		
Benson, C. A.		
Burdelik, W. J.		
Evans, C. S.		
Findley, M.		
Guinn, L.		
Hopkins, J.		
Jenkins, K.		
Jierree, C.		
Konwinski, G.		
Law, J. E.		
Lovseth, T. P.		
Luker, R.S.		
McAnally, J. L.	X	X
Motyl, K. M.	X	X
Primrose, A. L.		
Power, A.		
Rukavina, F.		
Steffen, D. E.		
Tyson, A. M.	X	X
Zeile, H.		

DUNN, R.F. X X
DUUSTAD, L.A. X X
EIEHWEG, R.F. X X
HUFFMANN, F.A. X X
WHEELER, M. X X

RMRS CC (080) X X
CORRES. CONTROL X X
TRAFFIC

CLASSIFICATION

UCNI
UNCLASSIFIED X X
CONFIDENTIAL
SECRET

AUTHORIZED CLASSIFIER
SIGNATURE

DOCUMENT CLASSIFICATION
REVIEW WAIVER PER

CLASSIFICATION OFFICE
DATE

IN REPLY TO RFP CC NO:

ACTION ITEM STATUS

OPEN CLOSED
 PARTIAL

LTR APPROVALS:

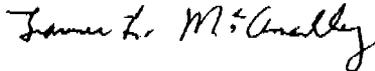
ORIG & TYPIST INITIALS:

ADMIN RECORD

1/10

Joseph A. Legare
November 19, 1996
96-RF-06567
Page 2

If you have any questions or desire additional information on this matter please contact K. M. Motyl at extension 2172. I certify that, to the best of my knowledge and that of my staff, the information used to fill out the DMR is complete and accurate.



James L. McAnally, President
RMRS, L.L.C.

LAD:slm

Original and 1 cc - Joseph A. Legare

Attachments:
As Stated

cc:

J. Dion	-	DOE	-	Bldg. 460
J. Hill	-	Kaiser-Hill	-	Bldg. 111
G. H. Setlock	-	Kaiser-Hill	-	Bldg. T130C
D. A. Ward	-	SSOC	-	Bldg. 750

2

October 1996

Sewage Treatment Plant Effluent Metals Data

Metal, total	Result, ug/l
	<u>10/01/96</u>
Antimony	<30.0
Arsenic	1.6 B
Beryllium	<1.0
Cadmium	<0.2
Copper	<4.0
Iron	218.6 B
Lead	<1.0
Manganese	33.7
Mercury	<0.2
Nickel	<20.0
Silver	<0.2
Zinc	13.0 B

B - Absolute value of the analyzed result is less than the contract Required Detection Limit (CRDL).

Sewage Treatment Plant Effluent Volatile Organic Compound Data

VOC	Result, ug/l
	<u>10/01/96</u>
Benzene	<5
Bromoform	<5
Carbon Tetrachloride	<5
Chlorobenzene	<5
Chlorodibromomethane	<5
Chloroethane	<10
Chloroform	4 J
Dichlorobromomethane	<5
1,1-Dichloroethane	<5
1,2-Dichloroethane	<5
1,1-Dichloroethylene	<5
1,2-Dichloropropane	<5
1,3-Dichloropropylene	<5
Ethylbenzene	<5
Methyl bromide	<5
Methyl chloride	<5
Methylene chloride	<5
1,1,2,2-Tetrachloroethane	<5
Tetrachloroethylene	<5
Toluene	<5
1,2-Trans-dichloroethylene	<5
1,1,1-Trichloroethane	<5
1,1,2-Trichloroethane	<5
Trichloroethylene	<5
Vinyl chloride	<10

J - Compound found, but below Practical Quantitation Limit (PQL). Quantitation is estimated.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
 NAME **USDQE-ROCKY FLATS PLANT**
 ADDRESS **0 BOX 923 GOLDEN CO 80402**

STP A
 DISCHARGE NUMBER
C00001333
 PERMIT NUMBER

MAJOR
 Form Approved
 F - FINAL OMB No. 2040-0004
 DISCHARGE PERIOD
 FROM 96 10 01 TO 96 10 31
 YEAR MO DAY YEAR MO DAY
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)
 (4 Card Only) (38-45) (46-53)

FACILITY **GOLDEN**
 LOCATION **CO 80402**
 ATTN: **XXXXXXXXXXXXXXXXXXXX Joseph A. Legare**

PARAMETER (32-37)	QUANTITY OR LOADING (54-61)		MONITORING PERIOD (20-21) (22-23) (24-25)		QUALITY OR CONCENTRATION (38-45)		AVERAGE (46-53)		MINIMUM (26-27) (28-29) (30-31)		MAXIMUM (54-61)		UNITS	NO EX (62-63)	SAMPLE TYPE (69-70)
	AVERAGE (46-53)	MAXIMUM (54-61)	YEAR MO DAY	YEAR MO DAY	MINIMUM (26-27) (28-29) (30-31)	MAXIMUM (54-61)	AVERAGE (46-53)	MAXIMUM (54-61)	YEAR MO DAY	YEAR MO DAY	MINIMUM (26-27) (28-29) (30-31)	MAXIMUM (54-61)			
PH	*****	*****	96 10 01	96 10 31	6.7	*****	*****	*****	6.7	*****	7.4	*****	(12)	0	grab
00400 1 0 0 EFFLUENT GROSS VALUE SOLIDS, TOTAL	*****	*****	96 10 01	96 10 31	6.0	*****	*****	*****	6.0	*****	9.0	*****	S.U.	0	grab
00530 1 0 0 SUSPENDED EFFLUENT GROSS VALUE OIL AND GREASE	*****	*****	96 10 01	96 10 31	*****	*****	*****	*****	*****	*****	<4	*****	mg/l	0	grab
00550 1 0 0 FREON EXTR-GRAV METH EFFLUENT GROSS VALUE	*****	*****	96 10 01	96 10 31	*****	*****	*****	*****	*****	*****	300A AVG	*****	MG/L	0	COMP
00550 1 0 0 PHOSPHORUS, TOTAL (AS P)	*****	*****	96 10 01	96 10 31	*****	*****	*****	*****	*****	*****	no discharge	*****	MG/L	0	COMP
00665 1 0 0 EFFLUENT GROSS VALUE CHROMIUM, TOTAL (AS CR)	*****	*****	96 10 01	96 10 31	*****	*****	*****	*****	*****	*****	10	*****	mg/l	0	COMP
01034 1 0 0 EFFLUENT GROSS VALUE FLOW, IN CONDUIT OR THRU TREATMENT PLANT	*****	*****	96 10 01	96 10 31	*****	*****	*****	*****	*****	*****	DAILY MX	*****	MG/L	0	COMP
50050 1 0 0 EFFLUENT GROSS VALUE CHLORINE, TOTAL RESIDUAL	*****	*****	96 10 01	96 10 31	*****	*****	*****	*****	*****	*****	4	*****	mg/l	0	COMP
50060 1 0 0 EFFLUENT GROSS VALUE	*****	*****	96 10 01	96 10 31	*****	*****	*****	*****	*****	*****	2.5	*****	mg/l	0	COMP

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 Joseph A. Legare
 Acting Asst. Mgr.
 Environmental Compliance, DOE/
 TYPED OR PRINTED REFO

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT
 303 966-7000
 AREA NUMBER

TELEPHONE

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments)
 IF THERE IS A VISIBLE SHEEN OF OIL AND GREASE REPORTED, A GRAB SAMPLE MUST ALSO BE TAKEN AND REPORTED AS VISIBLE SHEEN. IF NO VISIBLE SHEEN WAS REPORTED THEN OIL AND GREASE, SHOULD BE REPORTED AS MONTHLY MONITORING. (Rev. 8-88) Previous editions may be used.

REPLACES EPA FORM T-40 WHICH MAY NOT BE USED!
 802711960107-1736

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
 NAME USQUE-ROCKY FLATS PLANT
 ADDRESS 0 BOX 928
GOLDEN CO 80402

STP A
 DISCHARGE NUMBER

C00001333
 PERMIT NUMBER

MAJOR F - FINAL OMB No. 2040-0004
 DISCHARGE # Approved for 31
 Continuous discharge 10/1/96
 *** NO DISCHARGE 1-1 *

ATTN: ~~XXXXXXXXXXXX~~ Joseph A. Legare

FORM APPROVED

DATE: 10/31/96

NOTE: Read instructions before completing.

PARAMETER (32-37)	QUANTITY OR LOADING (54-61)	AVERAGE (46-53)	MAXIMUM (54-61)	MINIMUM (38-45)	QUALITY OR CONCENTRATION (54-61)	UNITS (62-67)	NO. EX (62-67)	SAMPLE TYPE (69-70)
COLIFORM, FECAL GENERAL	*****	*****	*****	*****	<1	#/100ml	0	grab
74055 1 0 0	*****	*****	*****	*****	300A GEO	MG/L	0	grab
EFFLUENT GROSS VALUE	*****	*****	*****	*****	300A GEO	MG/L	0	grab
300 CARBONACEOUS	*****	*****	*****	*****	300A AVG	MG/L	0	grab
05 DAY, 20C	*****	*****	*****	*****	DAILY MAX	MG/L	0	grab
80082 1 0 0	*****	*****	*****	*****	DAILY MAX	MG/L	0	grab
EFFLUENT GROSS VALUE	*****	*****	*****	*****	DAILY MAX	MG/L	0	grab
OIL AND GREASE	*****	*****	*****	*****	DAILY MAX	MG/L	0	grab
VISUAL	*****	*****	*****	*****	DAILY MAX	MG/L	0	grab
84066 1 0 0	*****	*****	*****	*****	DAILY MAX	MG/L	0	grab
EFFLUENT GROSS VALUE	*****	*****	*****	*****	DAILY MAX	MG/L	0	grab

*No ph, visual oil and grease or TRC measurements collected on 10/29/96 as a result of extreme wind conditions on site. See cover letter for more information.

0* INST MAX NO=0

0 YES=1

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER: Joseph A. Legare, Acting Asst. Mgr.

Environmental Compliance, DOE
 TYPED OR PRINTED: RFF03/0000

REPLACES EPA FORM T-40 WHICH MAY NOT BE USED

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
 NAME USDOE-ROCKY FLATS PLANT
 ADDRESS P.O. BOX 923
GOLDEN CO 80402

FACILITY
 LOCATION

ATTN: XXXXXXXXXXXXXXXXXX Joseph A. Legare

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)
 (17-19)
 MAJOR
 F - FINAL OMB No. 2040-0004
 DISCHARGE APPROXIMATE 10-31-96
 Continuous discharge 10/28/96 - 10/31/99
 *** NO DISCHARGE ***

PERMIT NUMBER
00001333
 DISCHARGE NUMBER
002 A
 MONITORING PERIOD
 YEAR MO DAY YEAR MO DAY
96 10 31 TO 96 10 31

FORM Approved.
 Form Approved.
 OMB No. 2040-0004
 DISCHARGE APPROXIMATE 10-31-96
 Continuous discharge 10/28/96 - 10/31/99
 *** NO DISCHARGE ***
 NOTE: Read instructions before completing this form.

PARAMETER (12-37)	QUANTITY OR LOADING (20-21) (22-23) (24-25)			QUALITY OR CONCENTRATION (36-27) (28-29) (30-31)			NO. EX (62-63)	FREQUENCY (64-65)	SAMPLE TYPE (69-70)
	AVERAGE (46-53)	MAXIMUM (54-61)	UNITS	MINIMUM (38-45)	AVERAGE (46-53)	MAXIMUM (54-61)			
PH	*****	*****		*****	*****				
00400 1 0 0 EFFLUENT GROSS VALUE	*****	*****	***	8.0	8.0	S.U.	0	DAILY	grab
NITROGEN, NITRATE	*****	*****	***	MINIMUM	MAXIMUM	SU			grab
TOTAL (AS N)	*****	*****	***	*****	0.6	mg/l	0	DAILY	grab
00620 1 0 0 EFFLUENT GROSS VALUE	*****	*****	***	*****	0.6	DAILY AVG			INSTANTAN
FLOW IN CONDUIT OR THRU TREATMENT PLANT	0.84	REPORT	(03) MGD	*****	*****	MG/L			
50050 1 0 0 EFFLUENT GROSS VALUE	*****	*****	***	*****	*****	*****	N/A	DAILY	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Joseph A. Legare
Acting Asst. Mgr.
Environmental Compliance, DOE
 TYPED OR PRINTED
 RFF# 10000 and or maximum imprisonment of between 6 months and 5 years.)
 I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT INFORMATION IS SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$100,000 and or maximum imprisonment of between 6 months and 5 years.)
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT
303 966-7000
 AREA CODE NUMBER
 TELEPHONE
 COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 NO CHANGE FROM REQUIREMENTS PRIOR TO FFCA - SEE PAGE 8 OF THE PERMIT. THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OTHER THAN TRACE AMOUNTS. COMPOSITE SAMPLING FOR NITRATES IS ALLOWED.
 SEE PERMIT
 EPA Form 3320-1 (Rev. 9-88) Previous editions may be used.
 (REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)
 10358/940107-1736
 JANEIE

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
 NAME US DOE - ROCKY FLATS PLANT
 ADDRESS 0 BOX 926 GOLDEN CO 80402
 PERMIT NUMBER C00001333
 DISCHARGE NUMBER 005 A

FACILITY GOLDEN
 LOCATION
 ATTN: ~~XXXXXXXXXXXX~~ MARIAN Joseph A. Legare
 FROM 96 10 01 TO 96 10 31
 MONITORING PERIOD (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)
 YEAR MO DAY YEAR MO DAY
 (32-37) (46-53)

PARAMETER (32-37)	AVERAGE (46-53)		QUANTITY OR LOADING (54-61)		MINIMUM (38-45)		AVERAGE (46-53)		MAXIMUM (54-61)		UNITS	NO. EX (62-63)	SAMPLE TYPE (69-70)
	MAXIMUM	UNITS	MINIMUM	AVERAGE	MINIMUM	AVERAGE	MAXIMUM	UNITS					
FLOW RATE	*****	(03)	*****	*****	*****	*****	*****	*****	*****	*****			
00056 1 0 0 EFFLUENT GROSS VALUE	*****	REPORT DAILY MX MGD	*****	*****	*****	*****	*****	*****	*****	*****			DAILY INSTANT
CHROMIUM, TOTAL (AS CR)	*****	*****	*****	*****	*****	*****	*****	*****	*****	(28)			ONCE / MONTH
01034 1 0 0 EFFLUENT GROSS VALUE	*****	*****	*****	*****	*****	*****	*****	*****	*****	50 DAILY MX UG/L (84)			
DURATION OF DISCHARGE	*****	*****	*****	*****	*****	*****	*****	*****	*****	REPORT DAILY / MO MAX MONTH			SEE NOT AP PERMIT
81301 1 0 0 EFFLUENT GROSS VALUE	*****	*****	*****	*****	*****	*****	*****	*****	*****				

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 Joseph A. Legare
 Acting Asst. Mgr.
 Environmental Compliance, DOE
 TYPED OR PRINTED REF0

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT
 303 966-7000
 AREA CODE NUMBER

TELEPHONE

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

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE REPORTED INFORMATION IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THE INFORMATION IS SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

