

Western Division

R. M. DeGabriele, General Manager, Western Operations
R. M. Tuthill, Manager-Uranium
R. W. Riedel, Assistant to the General Manager

300 Country Club Road
P.O. Box 3140
Casper, Wyoming 82602-3140
Phone: 307-234-9133

January 10, 1983

Mr. John Wagner
Wyoming Department of Environmental Quality
Water Quality Division
1111 East Lincolnway
Cheyenne, Wyoming 82002

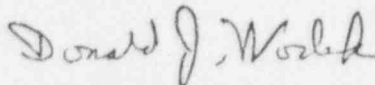
Dear John:

Re: NPDES Permit No. Wy-0030783

During the last quarter of 1982, there were 34 days of surface discharge. A total of 999,230 gallons were discharged. This accounts for an average discharge of 0.029 MGD per day of operation of surface discharge. The corresponding lab assay sheets are included with this report.

Sincerely,

CLEVELAND-CLIFFS



Donald J. Wodek
Administrator of Health and Safety

DJW/ceg

CC: Mr. Roger Williams, Regional Administrator
U. S. Environmental Protection Agency
1860 Lincoln St., Suite 900
Denver, Colorado 80295

Mr. John Linehan, Section Leader
Uranium Recovery Licensing Branch
Division of Waste Management
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

Source Material License No. SUA-1352
Docket No. 040-08714

DJW/MJW

9609190199 821231
PDR ADOCK 04008714
C PDR

NAME THE CLEVELAND CLIFFS IRON CO.
 ADDRESS P. O. BOX 3140
CASPER, WY
82602
 FACILITY COLLINS DRAW R AND U IN-SITU
 LOCATION _____

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

OMB No. 156-00073

WY0030783

001

PERMIT NUMBER

DISCHARGE NUMBER

MONITORING PERIOD

FROM YEAR 82 MO 10 DAY 01 TO YEAR 82 MO 12 DAY 31
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW	SAMPLE MEASUREMENT	.029		MGD	N/A	N/A	N/A	N/A		Daily	Inst.
	PERMIT REQUIREMENT	N/A	N/A		N/A	N/A	N/A			1/7	INST
TOTAL SUSPENDED SOLIDS	SAMPLE MEASUREMENT	N/A	N/A	N/A	1	1	1	MG/L		1/7	Grab
	PERMIT REQUIREMENT	N/A	N/A		N/A	20	30			1/7	GRAB
TOTAL ZINC	SAMPLE MEASUREMENT	N/A	N/A	N/A	N/A	N/A	.019	MG/L		1/90	Grab
	PERMIT REQUIREMENT	N/A	N/A		N/A	.5	1.0			1/90	GRAB
DISS. RADIUM 226	SAMPLE MEASUREMENT	N/A	N/A	N/A	3.3	7.8	10.8	PC/L		1/30	Grab
	PERMIT REQUIREMENT	N/A	N/A		N/A	3	10			1/30	GRAB
TOTAL RADIUM 226	SAMPLE MEASUREMENT	N/A	N/A	N/A	—	—	—	PC/L		—	—
	PERMIT REQUIREMENT	N/A	N/A		N/A	10	30			NOT	RQ'D
TOTAL URANIUM	SAMPLE MEASUREMENT	N/A	N/A	N/A	3.61	4.18	4.75	MG/L		1/30	Grab
	PERMIT REQUIREMENT	N/A	N/A		N/A	2.0	4.0			1/30	GRAB
COD	SAMPLE MEASUREMENT	N/A	N/A	N/A	—	—	—	MG/L		—	—
	PERMIT REQUIREMENT	N/A	N/A		N/A	100	200			NOT	RQ'D

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Donald J. Witek

TYPED OR PRINTED

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 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.)

Donald J. Witek

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

307

234-9133

83

1

10

AREA CODE

NUMBER

YEAR

MO

DAY

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

IN ADDITION TO THE DAILY MAXIMUM LIMITATION, ANALYSIS OF ANY SINGLE GRAB SAMPLE SHALL NOT EXCEED 150% OF THE DAILY MAXIMUM CONCENTRATION FOR TSS., DISS. RA. 226, T. RA. 226 AND T. URANIUM.

1

2

NAME THE CLEVELAND CLIFFS IRON CO.
 ADDRESS P. O. BOX 3140
CASPER, WY
82602
 FACILITY COLLINS DRAW R AND U IN-SITU
 LOCATION _____

DISCHARGE MONITORING REPORT (DMR)
 (2-16) (17-19)

OMB No. 158-R0073

WY0030783	001
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
82	10	01	82	12	31
(20-21)		(22-23)	(24-25)	(26-27)	(28-29)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PH	SAMPLE MEASUREMENT	N/A	N/A	N/A	8.94	N/A	8.94	S.U.		1/90	Grab
	PERMIT REQUIREMENT	N/A	N/A		6.0	N/A	9.0			1/90	GRAB
OIL AND GREASE	SAMPLE MEASUREMENT	N/A	N/A	N/A	—	—	—	MG/L		—	—
	PERMIT REQUIREMENT	N/A	N/A		N/A	N/A	10			CONT	VISL
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Donald J. Wudick
 TYPED OR PRINTED

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.)

Donald J. Wudick
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
307	234-9120	83	1	10
AREA CODE	NUMBER	YEAR	MO	DAY

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

SINGLE GRAB SAMPLE SHALL NOT EXCEED 150% OF THE DAILY MAXIMUM CONCENTRATION FOR TSS., DISS. RA. 226, T. RA. 226 AND T. URANIUM.

WAMCO LAB

P. O. Box 2953 - Casper, WY 82602

ANALYSIS REPORT

COMPANY: Cleveland Cliffs Iron Company

DATE: October 22, 1982

Date Rec'd 10/14/82

Sample type Discharge Grab 10-6-82

W. O. No. 3618

Analysis in Milligrams per Liter except where Noted
Limits of Detection are Noted Following Less Than Mark (<)

Sample No.

1

Total Suspended Solids

< 1

Radium-226 pCi/L +- Prec

9.3+-2.3

pH, Units

8.94

WAMCO LAB

P. O. Box 2953 - Casper, WY 82602

ANALYSIS REPORT

COMPANY: Cleveland Cliffs Iron Company

DATE: November 16, 1982

Date Rec'd 10/20/82

Sample type Discharge Grab 10-19-82

W. O. No. 3624

Analysis in Milligrams per Liter
Limits of Detection are Noted Following Less Than Mark (<)

Sample No.

1

Total Suspended Solids

< 1

WAMCO LAB

P. O. Box 2953 - Casper, WY 82602

ANALYSIS REPORT

COMPANY: Cleveland Cliffs Iron Company

DATE: November 16, 1982

Date Rec'd 10/27/82

Sample type Surface Discharge 10-27-82

W. O. No. 3638

Analysis in Milligrams per Liter except where Noted
Limits of Detection are Noted Following Less Than Mark (<)

Sample No.

1

Total Suspended Solids

< 1

Uranium (U308) PPB

5600

Radium-226 pCi/L +- Prec

10.8+-2.8

Thorium-230 pCi/L +- Prec

1.9+-1.1

WAMCO LAB

P. O. Box 2953 - Casper, WY 82602

ANALYSIS REPORT

COMPANY: Cleveland Cliffs Iron Company

DATE: November 16, 1982

Date Rec'd 10/27/82

Sample type Surface Discharge 10-27-82

W. O. No. 3638

Analysis in Milligrams per Liter except where Noted
Limits of Detection are Noted Following Less Than Mark (<)

Sample No.	1
Total Suspended Solids	< 1
Uranium (U308) PPB	5600
Radium-226 pCi/L +- Prec	10.8+-2.8
Thorium-230 pCi/L +- Prec	1.9+-1.1

WAMCO LAB

P. O. Box 2953 - Casper, WY 82602

ANALYSIS REPORT

COMPANY: Cleveland Cliffs Iron Company

DATE: November 16, 1982

Date Rec'd 11/04/82

Sample type Discharge Grab 11-3-82

W. O. No. 3660

Analysis in Milligrams per Liter except where Noted
Limits of Detection are Noted Following Less Than Mark (<)

Sample No.

1

Total Suspended Solids

< 1

Uranium (Total) PPB

3613

Radium-226 pCi/L +- Prec

3.31-0.9

WAMCO LAB

P. O. Box 2953 - Casper, WY 82602

ANALYSIS REPORT

COMPANY: Cleveland Cliffs Iron Company

DATE: January 5, 1983

Sample type Discharge Grab 11-3-83

W. O. No. 3794

Analysis in Milligrams per Liter

Sample No.

1

Zinc (Zn)

0.019