

Flambeau Mining Company  
Subsidiary of Kennecott Corporation  
N4100 Highway 27  
Ladysmith, WI 54848  
(715) 532-6690  
FAX (715) 532-6885

**Kennecott**

March 19, 1993

Ms. Janet LaRose  
Wisconsin Dept. of Natural Resources  
Division for Environmental Quality (Permits)  
Northwest District Headquarters  
P.O. Box 309  
Spooner, WI 54801

Dear Ms. LaRose:

RE: Flambeau Mining Company - Discharge Monitoring Report (DMR)  
Submittal

The Flambeau Mining Company (Flambeau) is submitting the DMRs for the months of January and February 1993. The period of discharge during these two months was January 4-6, 1993. This discharge occurred through Outfall 002.

During the discharge, all sampling was conducted in accordance with Flambeau's WPDES permit. Analyses of the samples were performed by independent labs. Analytical results showed the discharge to meet Flambeau's WPDES effluent limitations.

Swanson Environmental Inc. found the 1/5/93 hexavalent chromium result to be greater than the total chromium result which indicates the presence of an unknown interference. The attached Swanson letter addresses these results. The hexavalent chromium value reported on the DMR for 1/5/93 is the total chromium result for this day. If hexavalent chromium were present, it would make up only a portion of the total chromium. Therefore, the 1/5/93 total chromium value of <20 ppb provides verification of meeting Flambeau's WPDES hexavalent chromium limit of 28 ppb. Also attached is Swanson's analytical report for the 1-5-93 data.

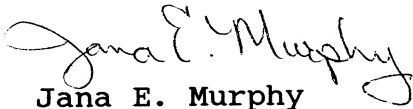
Janet LaRose

Page 2

March 19, 1993

If you have any questions please contact me at 715-532-6690  
Ext. 717.

Sincerely,  
Flambeau Mining Co.



Jana E. Murphy  
Supervisor of Environmental Affairs

cc: Larry Mercado, Flambeau Mining Co.  
Larry Lynch, DNR  
Ken Markart, DNR  
Jim Hutchison, F&VD  
Clarence Glotfelty, Rusk County ✓  
Al Christianson, City of Ladysmith  
Robert Plantz, Town of Grant  
Bernice Dukerschein, Rusk County  
Von Shanks, Flambeau Mining Co.

SWANSON ENVIRONMENTAL INC.



February 12, 1993

Ms. Jana Murphy  
Flambeau Mining Company  
N4100 Highway 27  
Ladysmith, Wisconsin 54848

Dear Ms. Murphy:

On January 5 and 6, Swanson Environmental, Inc. (SEI) received your Outfall 002 composite wastewater samples for hexavalent chromium and total chromium analyses.

The concentration of hexavalent chromium was greater than total chromium, indicating the presence of an unknown interference for Sample #2B-002. Due to short holding times and insufficient sample volume, duplicate analysis was not performed.

The quality control data for the analytical batch was within acceptable criteria. A method blank was free of interferences and the value of check standard was 92.6% of true value.

During your next sampling event, please collect 500 mls of neutral sample from Outfall 002. This volume will be sufficient to run a matrix spiked and duplicate sample. If these results vary the presence of interferences is indicated and a different analytical method will be used.

Apologize for inconvenience this matter has caused you. If I may be of further assistance, please give me a call at 438-4220.

Sincerely,

SWANSON ENVIRONMENTAL, INC.

A handwritten signature in cursive script, reading "Rosemary L. Dineen". The signature is written in black ink and is positioned above the printed name and title.

Rosemary L. Dineen  
Director of Technical Support

RLD/jkb

wp/jkb/office/murphy.ltr/2-93



3150 North Brookfield Road  
 Brookfield, Wisconsin 53045  
 telephone (414) 783-6111  
 FAX (414) 783-5752

WDNR Certification #268181760

REPORT NUMBER: A1871

**ANALYTICAL REPORT**

Flambeau Mining Co.  
 N4100 Hwy. 27  
 Ladysmith, WI 54848  
  
 Attn: Ms. Jana Murphy

DATE: February 15, 1993  
 PURCHASE ORDER:  
 SEI JOB NO: WL3935  
 DATE COLLECTED: 01/05/93  
 DATE RECEIVED: 01/06/93

Matrix: Wastewater

Units: mg/l (ppm)

<u>Analyte</u>	<u>SEI ID</u> <u>Sample ID</u>	3935-1 #2B-002	3935-2 #1A-002
Chromium		0.02	0.02
Hexavalent Chromium		0.065*	--
		1-5-93 Grab	1-4-93 Comp

\* High values indicate possible presence of interferences.

*Gary E Barry*  
 \_\_\_\_\_  
 Gary E. Barry  
 Project Coordinator

319193

DATE RECEIVED

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PAGE OF

COMMENT SECTION  
1: EITHER TOTAL OR TOTAL RECOVERABLE IS ACCEPTABLE.  
2: NOTE WHICH VALUE IS REPORTED (T OR TR).

District Editor \_\_\_\_\_ (✓)  
Date Edited \_\_\_\_\_  
Other(\_\_\_\_\_) \_\_\_\_\_

Samples analyzed by: Emmett  
Lab ID# 737053130  
Lab ID# \_\_\_\_\_  
(✓) if Quality Control exceedance

PERMITEE'S NAME  
**FLAMBEAU MINING CO**  
FACILITY NAME  
**FLAMBEAU MINING CO**

LBE/  
MIN

PERMIT NUMBER **0047376** MONTH **JANUARY 1993** COUNTY **55-RUSK**

SAMPLE PT. NUMBER	001(EFFL) WASTEWATER TREATMENT PLANT EFF	001(EFFL) WASTEWATER TREATMENT PLANT EFF	001(EFFL) WASTEWATER TREATMENT PLANT EFF	001(EFFL) WASTEWATER TREATMENT PLANT EFF	001(EFFL) WASTEWATER TREATMENT PLANT EFF	001(EFFL) WASTEWATER TREATMENT PLANT EFF	001(EFFL) WASTEWATER TREATMENT PLANT EFF	001(EFFL) WASTEWATER TREATMENT PLANT EFF
PARAMETER NUMBER	00244	00134	00266	01002	01012	90112	00120	00138
PARAMETER NAME	FLOW	SUSPENDED SOLIDS TOTAL	ALUMINUM TOTAL	ARSENIC TOTAL	BERYLLIUM TOTAL	BERYLLIUM	CADMIUM TOTAL	CADMIUM TOTAL
PARAMETER UNITS	MGD	MG/L	UG/L	UG/L	UG/L	LBS/DAY	UG/L	LBS/DAY
NOTES (SEE ABOVE)			1,2	1,2			1,2	
MONTHLY AVERAGE	∅	N	N	N	N	N	N	N
DAILY MAXIMUM	∅	N	N	N	N	N	N	N
DAILY MINIMUM	∅	N	N	N	N	N	N	N
WEEKLY AVG:								
01/01-01/07								
01/08-01/14								
01/15-01/21								
01/22-01/28								
01/29-01/31								
NUMBER OF VALUES REPORTED	∅	∅	∅	∅	∅	∅	∅	∅
PERMIT REQUIREMENTS	LIMIT	Times Exceeded	LIMIT	Times Exceeded	LIMIT	Times Exceeded	LIMIT	Times Exceeded
MONTHLY AVERAGE			20.00	N			50.00	N
DAILY MAXIMUM			30.00	N	1500.00	N	79.80	N
DAILY MINIMUM							7.10	N
WEEKLY AVERAGE								
FREQUENCY OF SAMPLING	DAILY	DAILY	WEEKLY	WEEKLY	WEEKLY	WEEKLY	3/WEEK	3/WEEK
SAMPLE TYPE REQUIRED	CONTINUOUS	24HR COMP	24HR COMP	24HR COMP	24HR COMP	CALCULATED	24HR COMP	CALCULATE

PERMIT NUMBER **0047376** MONTH **JANUARY 1993** FACILITY NAME: **FLAMBEAU MINING CO** PAGE **1**

SAMPLE POINT PARAMETER	001(EFFL) 00244	001(EFFL) 00134	001(EFFL) 00266	001(EFFL) 01002	001(EFFL) 01012	001(EFFL) 90112	001(EFFL) 00120	001(EFFL) 00138
REMARKS:	Date * 1	* 2	* 3	* 4	* 5	* 6	* 7	* 8
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TOTAL								

FACILITY ADDRESS  
**LAWRENCE E MERCANDO DIR** PROCSS DEV  
**FLAMBEAU MINING CO**  
**1515 MINERAL SQUARE**  
**SALT LAKE CITY** UT 84112

\* In These Columns Enter Number of Samples Analyzed Per Day. Unless noted under parameter name, each daily value entered must be the highest value of all sample types analyzed for that day. WISCONSIN STATUTE 147.08.

RETAIN FACILITY COPY  
SEND ORIGINAL & DISTRICT COPY TO:  
**DNR NORTHWEST DISTRICT**  
**P.O. BOX 309**  
**SPOONER, WI. 54801**

RETURN REPORT NO LATER THAN: **FEBRUARY 15**

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED IN THIS DOCUMENT AND ALL ATTACHMENTS AND THAT, BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THAT THE INFORMATION IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINES AND IMPRISONMENT (40 CRF 122.5). I ALSO CERTIFY THAT THE VALUES BEING SUBMITTED ARE THE ACTUAL VALUES FOUND IN THE SAMPLES; NO VALUES HAVE BEEN MODIFIED OR CHANGED IN ANY MANNER. WHEREVER I BELIEVE A VALUE BEING REPORTED IS INACCURATE, I HAVE ADDED AN EXPLANATION INDICATING THE REASONS WHY THE VALUE IS INACCURATE.

Signature of Operator: Jana P. Murphy Certificate Number if Applicable: 21458  
Signature of Principal Executive Officer or Authorized Agent: L. E. Mercado Title: VP & General Mgr.

ORIGINAL COPY

SEE BACK OF FORM FOR INSTRUCT

DISCHARGE MONITORING REPORT FORM

Form 3200-28 Rev. 6-89

DATE RECEIVED

PAGE 2 OF 2

COMMENT SECTION

- 1: REPORT EITHER CHROMIUM TOTAL OR +3. NOTE FORM REPRTD.
- 2: NOTE WHICH VALUE IS REPORTED (T OR TR).
- 3: EITHER TOTAL OR TOTAL RECOVERABLE IS ACCEPTABLE.

LEAVE BLANK-FOR DNR USE ONLY

(v)

District Editor \_\_\_\_\_ ND

Date Edited \_\_\_\_\_ NI

Other(\_\_\_\_\_) \_\_\_\_\_ NE

Samples analyzed by: \_\_\_\_\_

Lab ID# \_\_\_\_\_

Lab ID# \_\_\_\_\_

(v) if Quality Control exceeded

PERMITEE'S NAME  
**FLAMBEAU MINING CO**  
 FACILITY NAME  
**FLAMBEAU MINING CO**

LBE/  
MIN

PERMIT NUMBER	MONTH		JANUARY 1993		COUNTY		55-RUSK	
SAMPLE PT. NUMBER	001(EFFL)	001(EFFL)	001(EFFL)	001(EFFL)	001(EFFL)	001(EFFL)	001(EFFL)	001(EFFL)
SAMPLE PT. DESCRIPTION	WASTEWATER TREATMENT PLANT EFF	WASTEWATER TREATMENT PLANT EFF	WASTEWATER TREATMENT PLANT EFF	WASTEWATER TREATMENT PLANT EFF	WASTEWATER TREATMENT PLANT EFF	WASTEWATER TREATMENT PLANT EFF	WASTEWATER TREATMENT PLANT EFF	WASTEWATER TREATMENT PLANT EFF
PARAMETER NUMBER	00122	85007	00121	00123	00125	00242	00126	00128
PARAMETER NAME	CHROMIUM TOTAL	CHROMIUM TOTAL	CHROMIUM HEXAVALENT (+6)	COPPER TOTAL	LEAD TOTAL	LEAD TOTAL	MERCURY TOTAL	NICKEL TOTAL
PARAMETER UNITS	UG/L	LBS/DAY	UG/L	UG/L	UG/L	LBS/DAY	NG/L	UG/L
NOTES (SEE ABOVE)	1,2			3,2	3,2			3,2
MONTHLY AVERAGE	N	N	N	N	N	N	N	N
DAILY MAXIMUM	N	N	N	N	N	N	N	N
DAILY MINIMUM	N	N	N	N	N	N	N	N
WEEKLY AVG:								
01/01-01/07	N				N			N
01/08-01/14	N				N			N
01/15-01/21	N				N			N
01/22-01/28	N				N			N
01/29-01/31	N				N			N
NUMBER OF VALUES REPORTED	0	0	0	0	0	0	0	0
PERMIT REQUIREMENTS	LIMIT	Times Exceeded	LIMIT	Times Exceeded	LIMIT	Times Exceeded	LIMIT	Times Exceeded
MONTHLY AVERAGE							2.00	N
DAILY MAXIMUM	5400.00	N	28.00	N	50.00	N		445.00
DAILY MINIMUM								
WEEKLY AVERAGE	980.00	N					140.00	N
FREQUENCY OF SAMPLING	WEEKLY	WEEKLY	WEEKLY	3/WEEK	WEEKLY	WEEKLY	WEEKLY	WEEKLY
SAMPLE TYPE REQUIRED	24HR COMP	CALCULATED	GRAB	24HR COMP	24HR COMP	CALCULATED	24HR COMP	24HR COMP

PERMIT NUMBER	MONTH	JANUARY 1993		FACILITY NAME:	FLAMBEAU MINING CO		PAGE	2
SAMPLE POINT PARAMETER	001(EFFL)	001(EFFL)	001(EFFL)	001(EFFL)	001(EFFL)	001(EFFL)	001(EFFL)	001(EFFL)
PARAMETER	00122	85007	00121	00123	00125	00242	00126	00128
REMARKS:	Date	* 1	* 2	* 3	* 4	* 5	* 6	* 7
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TOTAL								

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 SPOONER, WI. 54801

FACILITY ADDRESS  
 LAWRENCE E MERCANDO DIR PROCSS DEV  
 FLAMBEAU MINING CO  
 1515 MINERAL SQUARE  
 SALT LAKE CITY UT 84112

RETURN REPORT NO LATER THAN: **FEBRUARY 15**

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Signature of Operator: *Jana E. Murphy*  
 Signature of Principal Executive Officer or Authorized Agent: *L. E. Mercando*  
 Certificate Number if Applicable: 21458  
 Title: VP & General Mgr

ORIGINAL COPY

SEE BACK OF FORM FOR INSTRUCTION

COMMENT SECTION

1: EITHER TOTAL OR TOTAL RECOVERABLE IS ACCEPTABLE.  
2: NOTE WHICH VALUE IS REPORTED (T OR TR).  
3: REPORT EXCEED. OF 6.0 MIN. LIMIT IN PARAM 00263 & 00265  
4: REPORT EXCEED. OF 9.0 MAX. LIMIT IN PARAM 00263 & 00265  
5: MONTHLY EXCEED. TIME IS SUM OF DAILY MINUTES, REPORT  
6: THIS TOTAL OF DAILY MINUTES ON MONTHLY AVG. LINE.

\_\_\_\_\_  
District Editor ND  
\_\_\_\_\_  
Date Edited NI  
\_\_\_\_\_  
Other( ) NE

Samples analyzed by: \_\_\_\_\_  
Lab ID# \_\_\_\_\_  
Lab ID# \_\_\_\_\_  
(v) if Quality Control exceedance

PERMITEE'S NAME  
**FLAMBEAU MINING CO**  
FACILITY NAME  
**FLAMBEAU MINING CO**

LBE/  
MIN

PERMIT NUMBER **0047376** MONTH **JANUARY 1993** COUNTY **55-RUSK**

SAMPLE PT. NUMBER	001(EFFL) WASTEWATER TREATMENT PLANT EFF	001(EFFL) WASTEWATER TREATMENT PLANT EFF	001(EFFL) WASTEWATER TREATMENT PLANT EFF	001(EFFL) WASTEWATER TREATMENT PLANT EFF	001(EFFL) WASTEWATER TREATMENT PLANT EFF	001(EFFL) WASTEWATER TREATMENT PLANT EFF	001(EFFL) WASTEWATER TREATMENT PLANT EFF	001(EFFL) WASTEWATER TREATMENT PLANT EFF
SAMPLE PT. DESCRIPTION	001010 NICKEL TOTAL	00270 SELENIUM TOTAL	00271 SILVER TOTAL	00131 ZINC TOTAL	00261 PH (MINIMUM)	00262 PH (MAXIMUM)	00263 PH TOTAL EXCEEDANCE TIME (MINUTES)	00265 PH EXCEEDANCES GREATER THAN 60 MINUTES NUMBER
PARAMETER NUMBER	85010	00270	00271	00131	00261	00262	00263	00265
PARAMETER NAME	NICKEL TOTAL	SELENIUM TOTAL	SILVER TOTAL	ZINC TOTAL	PH (MINIMUM)	PH (MAXIMUM)	PH TOTAL EXCEEDANCE TIME (MINUTES)	PH EXCEEDANCES GREATER THAN 60 MINUTES NUMBER
PARAMETER UNITS	LBS/DAY	UG/L	UG/L	UG/L	S U	S U	MINUTES	NUMBER
NOTES (SEE ABOVE)		1,2	1,2	1,2	3	4	5,6	
MONTHLY AVERAGE	N	N	N	N	XXXXXXXXXX	XXXXXXXXXX	N	XXXXXXXXXX
DAILY MAXIMUM	N	N	N	N	XXXXXXXXXX	N	XXXXXXXXXX	N
DAILY MINIMUM	N	N	N	N	N	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX
NUMBER OF VALUES REPORTED	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
PERMIT REQUIREMENTS	LIMIT	LIMIT	LIMIT	LIMIT	LIMIT	LIMIT	LIMIT	LIMIT
MONTHLY AVERAGE							446.00	
DAILY MAXIMUM		120.00	6.60	300.00		11.00		0.00
DAILY MINIMUM					4.00			
WEEKLY AVERAGE								
FREQUENCY OF SAMPLING	WEEKLY	WEEKLY	WEEKLY	WEEKLY	DAILY	DAILY	DAILY	DAILY
SAMPLE TYPE REQUIRED	CALCULATED	24HR COMP	24HR COMP	24HR COMP	CONTINUOUS	CONTINUOUS	CALCULATED	CALCULATED

PERMIT NUMBER **0047376** MONTH **JANUARY 1993** FACILITY NAME: **FLAMBEAU MINING CO** PAGE **3**

SAMPLE POINT PARAMETER	001(EFFL) 85010	001(EFFL) 00270	001(EFFL) 00271	001(EFFL) 00131	001(EFFL) 00261	001(EFFL) 00262	001(EFFL) 00263	001(EFFL) 00265
REMARKS:	Date	* 1	* 2	* 3	* 4	* 5	* 6	* 7
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TOTAL								

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DNR NORTHWEST DISTRICT  
P.O. BOX 309  
SPOONER, WI. 54801

FACILITY ADDRESS  
**LAWRENCE E MERCANDO DIR PROCSS DEV**  
**FLAMBEAU MINING CO**  
**1515 MINERAL SQUARE**  
**SALT LAKE CITY UT 84112**

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Signature of Operator: *Jana E. Murphy*  
Signature of Principal Executive Officer or Authorized Agent: *L. Mercado*  
Certificate Number if Applicable: **21458**  
Title: *VP of General Mgr*

ORIGINAL COPY SEE BACK OF FORM FOR INSTRUCTIO

COMMENT SECTION

1: EITHER TOTAL OR TOTAL RECOVERABLE IS ACCEPTABLE.  
2: NOTE WHICH VALUE IS REPORTED (T OR TR).

(v)  
District Editor \_\_\_\_\_ ND  
Date Edited \_\_\_\_\_ NI  
Other(\_\_\_\_\_) \_\_\_\_\_ NE

Samples analyzed by: Environ  
Lab ID# 737063130  
Lab ID# \_\_\_\_\_  
(v) if Quality Control exceeded

PERMITEE'S NAME  
**FLAMBEAU MINING CO**  
FACILITY NAME  
**FLAMBEAU MINING CO**

LBE/  
MIN

PERMIT NUMBER	MONTH		JANUARY 1993		COUNTY		55-RUSK	
SAMPLE PT. NUMBER	001(EFFL)	001(EFFL)	001(EFFL)	001(EFFL)	002(EFFL)	002(EFFL)	002(EFFL)	002(EFFL)
SAMPLE PT. DESCRIPTION	WASTEWATER TREATMENT PLANT EFF	WASTEWATER TREATMENT PLANT EFF	WASTEWATER TREATMENT PLANT EFF	WASTEWATER TREATMENT PLANT EFF	SETTLING POND EFFLUENT	SETTLING POND EFFLUENT	SETTLING POND EFFLUENT	SETTLING POND EFFLUENT
PARAMETER NUMBER	00360	00183	00026	81621	00244	00134	00266	01002
PARAMETER NAME	DISSOLVED SOLIDS TOTAL	DISSOLVED OXYGEN	HARDNESS TOTAL	SULFIDE TOTAL	FLOW	SUSPENDED SOLIDS TOTAL	ALUMINUM TOTAL	ARSENIC TOTAL
PARAMETER UNITS	MG/L	MG/L	MG/L	UG/L	MGD	MG/L	MG/L	UG/L
NOTES (SEE ABOVE)							1,2	1,2
MONTHLY AVERAGE	XXXXXXXXXX	XXXXXXXXXX	N	N	0.60	12.7	1028 T	∅ T
DAILY MAXIMUM	N	XXXXXXXXXX	N	N	1.09	17.0	1280 T	<1.37 T
DAILY MINIMUM	XXXXXXXXXX	N	XXXXXXXXXX	N	0.06	10.0	XXXXXXXXXX	XXXXXXXXXX
NUMBER OF VALUES REPORTED	∅	∅	∅	∅	3	3	2	2
PERMIT REQUIREMENTS	LIMIT	Times Exceeded	LIMIT	Times Exceeded	LIMIT	Times Exceeded	LIMIT	Times Exceeded
MONTHLY AVERAGE							20.00 ∅	
DAILY MAXIMUM			5.00 N				30.00 ∅	1500.00 ∅
DAILY MINIMUM								730.00 ∅
WEEKLY AVERAGE								
FREQUENCY OF SAMPLING	MONTHLY	DAILY	QUARTERLY	3/WEEK	DAILY	DAILY	MONTHLY	MONTHLY
SAMPLE TYPE REQUIRED	24HR COMP	GRAB	24HR COMP	GRAB	CONTINUOUS	COMPOSITE	COMPOSITE	COMPOSITE

PERMIT NUMBER	MONTH		JANUARY 1993		FACILITY NAME:		FLAMBEAU MINING CO		PAGE	4
SAMPLE POINT PARAMETER	001(EFFL)	001(EFFL)	001(EFFL)	001(EFFL)	002(EFFL)	002(EFFL)	002(EFFL)	002(EFFL)	002(EFFL)	002(EFFL)
REMARKS:	Date	* 1	* 2	* 3	* 4	* 5	* 6	* 7	* 8	
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4						1.09	11.0	777 T	<1.37 T	
5						0.45	17.0	1280 T	<1.37 T	
6						0.06	10.0			
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TOTAL						1.80				

\* In These Columns Enter Number of Samples Analyzed Per Day. Unless noted under parameter name, each daily value entered must be the highest value of all sample types analyzed for that day. WISCONSIN STATUTE 147.08.

RETAIN FACILITY COPY  
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FACILITY ADDRESS  
LAWRENCE E MERCANDO DIR PROCSS DEV  
FLAMBEAU MINING CO  
1515 MINERAL SQUARE  
SALT LAKE CITY UT 84112

RETURN REPORT NO LATER THAN: **FEBRUARY 15**

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED IN THIS DOCUMENT AND ALL ATTACHMENTS AND THAT, BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THAT THE INFORMATION IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINES AND IMPRISONMENT. (40 CRF 122.5). I ALSO CERTIFY THAT THE VALUES BEING SUBMITTED ARE THE ACTUAL VALUES FOUND IN THE SAMPLES; NO VALUES HAVE BEEN MODIFIED OR CHANGED IN ANY MANNER. WHEREVER I BELIEVE A VALUE BEING REPORTED IS INACCURATE, I HAVE ADDED AN EXPLANATION INDICATING THE REASONS WHY THE VALUE IS INACCURATE.

Signature of Operator: Jana E. Murphy  
Signature of Principal Executive Officer or Authorized Agent: L E Mercando  
Certificate Number if Applicable: 21458  
Title: VP & General Mgr



ENT SECTION  
 EITHER TOTAL OR TOTAL RECOVERABLE IS ACCEPTABLE.  
 NOTE WHICH VALUE IS REPORTED (T OR TR).  
 REPORT EITHER CHROMIUM TOTAL OR +3. NOTE FORM REPRTD.  
 parameter # 00122 & # 00121 performed by Swanson (268181760)  
 1 other parameters performed by Enviroscan (737053130)  
 63 Hex. Chromium reported as 20 ppb total chromium.

District Editor \_\_\_\_\_ (v)  
 Date Edited \_\_\_\_\_ NI  
 Other(\_\_\_\_\_) \_\_\_\_\_ NE

Samples analyzed by: Enviroscan  
 Lab ID# 737053130  
 Lab ID# Swanson 268181760  
 (v) if Quality Control exceedances

PERMITEE'S NAME  
**FLAMBEAU MINING CO**  
 FACILITY NAME  
**FLAMBEAU MINING CO**

LBE/JPH  
 MIN

NUMBER	0047376		MONTH	JANUARY 1993		COUNTY	55-RUSK	
EPT. NUMBER	002(EFFL)	002(EFFL)	002(EFFL)	002(EFFL)	002(EFFL)	002(EFFL)	002(EFFL)	002(EFFL)
EPT. DESCRIPTION	SETTLING POND EFFLUENT	SETTLING POND EFFLUENT	SETTLING POND EFFLUENT	SETTLING POND EFFLUENT	SETTLING POND EFFLUENT	SETTLING POND EFFLUENT	SETTLING POND EFFLUENT	SETTLING POND EFFLUENT
ETER NUMBER	01012	90112	00120	00138	00122	85007	00121	00123
ETER NAME	BERYLLIUM TOTAL	BERYLLIUM	CADMIUM TOTAL	CADMIUM TOTAL	CHROMIUM TOTAL	CHROMIUM TOTAL	CHROMIUM HEXAVALENT (+6)	COPPER TOTAL
ETER UNITS	UG/L	LBS/DAY	MG/L	LBS/DAY	UG/L	LBS/DAY	UG/L	UG/L
(SEE ABOVE)			1.2		2.3			1.2
DAILY AVERAGE	∅ T	∅ T	∅ T	∅ T	∅ 7T	0.06 T	23	8 T
MAXIMUM	<0.2 T	∅ T	<0.23 T	∅ T	20 T	0.18 T	26	8 T
MINIMUM	XXXXXXXXXX	XXXXXXXXXX	<0.23 T	∅ T	XXXXXXXXXX	XXXXXXXXXX		XXXXXXXXXX
WEEKLY AVG:			∅ T	∅ T	∅ 7T	0.06 T		
01/01-01/07								
WEEKLY AVG:			N	N	N	N		
01/08-01/14								
WEEKLY AVG:			N	N	N	N		
01/15-01/21								
WEEKLY AVG:			N	N	N	N		
01/22-01/28								
WEEKLY AVG:			N	N	N	N		
01/29-01/31								
NUMBER OF VALUES REPORTED	2	2	3	3	3	3	2	1
REQUIREMENTS	LIMIT	Times Exceeded	LIMIT	Times Exceeded	LIMIT	Times Exceeded	LIMIT	Times Exceeded
DAILY AVERAGE					50.00	∅		
MAXIMUM					79.80	∅	28.00	∅
MINIMUM								50.00
DAILY AVERAGE					7.10	∅		
TYPICALITY OF SAMPLING	MONTHLY	MONTHLY	3/WEEK	3/WEEK	MONTHLY	MONTHLY	WEEKLY	MONTHLY
TYPE REQUIRED	COMPOSITE	CALCULATED	COMPOSITE	CALCULATED	COMPOSITE	CALCULATED	GRAB	COMPOSITE

NUMBER	0047376		MONTH	JANUARY 1993		FACILITY NAME:	FLAMBEAU MINING CO		PAGE	5
EPT. NUMBER	002(EFFL)	002(EFFL)	002(EFFL)	002(EFFL)	002(EFFL)	002(EFFL)	002(EFFL)	002(EFFL)	002(EFFL)	
ETER	01012	90112	00120	00138	00122	85007	00121	00123		
DATE	*	1	* 2	* 3	* 4	* 5	* 6	* 7	* 8	Date
1										1
2										2
3										3
4	<0.2 T	∅	<0.23 T	∅ T	<20 T	0.18 T	26	8 T		4
5	<0.2 T	∅	<0.23 T	∅ T	2	<20 T	<20			5
6			<0.23 T	∅ T	<20 T	∅ T				6
7										7
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25										25
26										26
27										27
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29										29
30										30
31										31
TOTAL										

In These Columns Enter Number of Samples Analyzed Per Day. Unless noted under parameter name, each daily value entered must be the highest value of all sample types analyzed for that day. WISCONSIN STATUTE 147.08.

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FACILITY ADDRESS  
 LAWRENCE E MERCANDO <sup>Gen. Manager</sup> DIR <sup>PROCESS DEV</sup>  
 FLAMBEAU MINING CO  
 1515 MINERAL SQUARE  
 SALT LAKE CITY UT 84112  
 N4100 Hwy 27  
 Ladysmith, WI 54848

RETURN REPORT NO LATER THAN: FEBRUARY 15

Signature of Operator: Jana E. Murphy  
 Certificate Number if Applicable: 21458  
 Signature of Principal Executive Officer or Authorized Agent: L. E. Mercado  
 Title: VP & General Mgr.

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ORIGINAL COPY

SEE BACK OF FORM FOR INSTRUCTIONS

COMMENT SECTION

1: EITHER TOTAL OR TOTAL RECOVERABLE IS ACCEPTABLE.  
2: NOTE WHICH VALUE IS REPORTED (T OR TR).  
3: REPORT EITHER CHROMIUM TOTAL OR +3. NOTE FORM REPRTD.  
Parameter # 00122 & # 00121 performed by Swanson (268181760)  
All other parameters performed by Enviroscan (737053130)

(v)  
District Editor \_\_\_\_\_ ND  
Date Edited \_\_\_\_\_ NI  
Other(\_\_\_\_\_) \_\_\_\_\_ NE

Samples analyzed by: Enviroscan  
Lab ID# 737053130  
Lab ID# Swanson 268181760  
(v) if Quality Control exceedance

PERMITEE'S NAME  
**FLAMBEAU MINING CO**  
FACILITY NAME  
**FLAMBEAU MINING CO**

LBE/  
MIN

PERMIT NUMBER	0047376		MONTH	JANUARY 1993		COUNTY	55-RUSK	
SAMPLE PT. NUMBER	002(EFFL)	002(EFFL)	002(EFFL)	002(EFFL)	002(EFFL)	002(EFFL)	002(EFFL)	002(EFFL)
SAMPLE PT. DESCRIPTION	SETTLING POND EFFLUENT	SETTLING POND EFFLUENT	SETTLING POND EFFLUENT	SETTLING POND EFFLUENT	SETTLING POND EFFLUENT	SETTLING POND EFFLUENT	SETTLING POND EFFLUENT	SETTLING POND EFFLUENT
PARAMETER NUMBER	01012	90112	00120	00138	00122	85007	00121	00123
PARAMETER NAME	BERYLLIUM TOTAL	BERYLLIUM	CADMIUM TOTAL	CADMIUM TOTAL	CHROMIUM TOTAL	CHROMIUM TOTAL	CHROMIUM HEXAVALENT (+6)	COPPER TOTAL
PARAMETER UNITS	UG/L	LBS/DAY	MG/L	LBS/DAY	UG/L	LBS/DAY	UG/L	UG/L
NOTES (SEE ABOVE)			1,2		2,3			1,2
MONTHLY AVERAGE	∅ T	∅ T	∅ T	∅ T	∅ 7T	0.06 T	23	8 T
DAILY MAXIMUM	<0.2 T	∅ T	<0.23 T	∅ T	20 T	0.18 T	24	8 T
DAILY MINIMUM	XXXXXXXXXX	XXXXXXXXXX	<0.23 T	∅ T	XXXXXXXXXX	XXXXXXXXXX		XXXXXXXXXX
WEEKLY AVG:			∅ T	∅ T	∅ 7T	0.06 T		
01/01-01/07								
WEEKLY AVG:			N	N	N	N		
01/08-01/14								
WEEKLY AVG:			N	N	N	N		
01/15-01/21								
WEEKLY AVG:			N	N	N	N		
01/22-01/28								
WEEKLY AVG:			N	N	N	N		
01/29-01/31								
NUMBER OF VALUES REPORTED	2	2	3	3	3	3	2	1
PERMIT REQUIREMENTS	LIMIT	Times Exceeded	LIMIT	Times Exceeded	LIMIT	Times Exceeded	LIMIT	Times Exceeded
MONTHLY AVERAGE			50.00	∅			28.00	∅
DAILY MAXIMUM			79.80	∅	5400.00	∅		50.00
DAILY MINIMUM								
WEEKLY AVERAGE			7.10	∅	980.00	∅		
FREQUENCY OF SAMPLING	MONTHLY	MONTHLY	3/WEEK	3/WEEK	MONTHLY	MONTHLY	WEEKLY	MONTHLY
SAMPLE TYPE REQUIRED	COMPOSITE	CALCULATED	COMPOSITE	CALCULATED	COMPOSITE	CALCULATED	GRAB	COMPOSITE

PERMIT NUMBER	0047376		MONTH	JANUARY 1993		FACILITY NAME:	FLAMBEAU MINING CO		PAGE	5
SAMPLE POINT PARAMETER	002(EFFL)	002(EFFL)	002(EFFL)	002(EFFL)	002(EFFL)	002(EFFL)	002(EFFL)	002(EFFL)	002(EFFL)	002(EFFL)
REMARKS:	Date	* 1	* 2	* 3	* 4	* 5	* 6	* 7	* 8	
1										
2										
3										
4	<0.2 T	∅	<0.23 T	∅ T	<20 T	0.18 T	24	8 T		
5	<0.2 T	∅	<0.23 T	∅ T	2	<20 T	<20			
6			<0.23 T	∅ T	<20 T	∅ T				
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TOTAL										

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FACILITY ADDRESS  
LAWRENCE E MERCANDO <sup>Gen. Manager</sup> DIR <sup>PROCSS DEV</sup>  
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1515 MINERAL SQUARE  
SALT LAKE CITY UT 84112  
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Ladysmith, WI 54848

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Signature of Operator Jana E. Murphy Certificate Number if Applicable 21458  
Signature of Principal Executive Officer or Authorized Agent L. E. Mercado Title VP & General Mgr.

COMMENT SECTION

1: EITHER TOTAL OR TOTAL RECOVERABLE IS ACCEPTABLE.  
2: NOTE WHICH VALUE IS REPORTED (T OR TR).

(v)  
District Editor \_\_\_\_\_ ND  
Date Edited \_\_\_\_\_ NI  
Other(\_\_\_\_\_) \_\_\_\_\_ NE

Samples analyzed by: Env. Resources  
Lab ID# 737053130  
Lab ID# \_\_\_\_\_  
(v) if Quality Control exceedanc

PERMITEE'S NAME  
**FLAMBEAU MINING CO**  
FACILITY NAME  
**FLAMBEAU MINING CO**

LBE/  
MIN

PERMIT NUMBER	MONTH		JANUARY		1993		COUNTY		55-RUSK	
SAMPLE PT. NUMBER	002(EFFL)	002(EFFL)	002(EFFL)	002(EFFL)	002(EFFL)	002(EFFL)	002(EFFL)	002(EFFL)	002(EFFL)	002(EFFL)
SAMPLE PT. DESCRIPTION	SETTLING POND EFFLUENT	SETTLING POND EFFLUENT	SETTLING POND EFFLUENT	SETTLING POND EFFLUENT	SETTLING POND EFFLUENT	SETTLING POND EFFLUENT	SETTLING POND EFFLUENT	SETTLING POND EFFLUENT	SETTLING POND EFFLUENT	SETTLING POND EFFLUENT
PARAMETER NUMBER	00125	00242	00126	00128	85010	00270	00271	00131		
PARAMETER NAME	LEAD TOTAL	LEAD TOTAL	MERCURY TOTAL	NICKEL TOTAL	NICKEL TOTAL	SELENIUM TOTAL	SILVER TOTAL	ZINC TOTAL		
PARAMETER UNITS	UG/L	LBS/DAY	NG/L	UG/L	LBS/DAY	UG/L	UG/L	UG/L		
NOTES (SEE ABOVE)	1,2			1,2		1,2	1,2	1,2		
MONTHLY AVERAGE	2.04 T	0.006 T	<200 T	10 T	0.038 T	∅ T	∅ T	72 T		
DAILY MAXIMUM	3.16 T	0.017 T	<200 T	20 T	0.108 T	<5.0 T	<0.72 T	74 T		
DAILY MINIMUM	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX		
WEEKLY AVG:										
01/01-01/07	2.04 T									
01/08-01/14	N									
01/15-01/21	N									
01/22-01/28	N									
01/29-01/31	N									
NUMBER OF VALUES REPORTED	3	3	1	3	3	2	2	2		
PERMIT REQUIREMENTS	LIMIT	Times Exceeded	LIMIT	Times Exceeded	LIMIT	Times Exceeded	LIMIT	Times Exceeded	LIMIT	Times Exceeded
MONTHLY AVERAGE			2.00	∅						
DAILY MAXIMUM	590.00	∅			445.00	∅	120.00	∅	6.60	∅
DAILY MINIMUM										
WEEKLY AVERAGE	140.00	∅			156.00	∅				
FREQUENCY OF SAMPLING	MONTHLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY
SAMPLE TYPE REQUIRED	COMPOSITE	CALCULATED	COMPOSITE	COMPOSITE	CALCULATED	COMPOSITE	COMPOSITE	COMPOSITE	COMPOSITE	COMPOSITE

PERMIT NUMBER	MONTH		JANUARY		1993		FACILITY NAME:		FLAMBEAU MINING CO		PAGE		6	
SAMPLE POINT PARAMETER	002(EFFL)	002(EFFL)	002(EFFL)	002(EFFL)	002(EFFL)	002(EFFL)	002(EFFL)	002(EFFL)	002(EFFL)	002(EFFL)	002(EFFL)	002(EFFL)	002(EFFL)	002(EFFL)
REMARKS:	00125	00242	00126	00128	85010	00270	00271	00131						
Date	* 1	* 2	* 3	* 4	* 5	* 6	* 7	* 8						
1														
2														
3														
4	42.0 T	0.0 T	<200 T	<10 T	0.0 T	<5.0 T	<0.72 T	69 T						
5	3.16 T	0.017 T		20 T	0.108 T	<5.0 T	<0.72 T	74 T						
6	2.97 T	0.001 T		10 T	0.005 T									
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31														
TOTAL														

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FACILITY ADDRESS  
LAWRENCE E MERCANDO DIR PROCSS DEV  
FLAMBEAU MINING CO  
1515 MINERAL SQUARE  
SALT LAKE CITY UT 84112

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Signature of Operator: Jana E. Murphy  
Signature of Principal Executive Officer or Authorized Agent: L. E. Mercado  
Certificate Number if Applicable: 21458  
Title: VP & General Mgr.  
ORIGINAL COPY SEE BACK OF FORM FOR INSTRUCTIONS

COMMENT SECTION

1: LIMIT IS 0.046 LBS/DAY.  
Parameter # 85007 calculation based upon results provided by Swanson (268181760)  
All other parameters (excluding pH) performed by Enviroscan (737053130)

(v)  
District Editor \_\_\_\_\_ ND  
Date Edited \_\_\_\_\_ NI  
Other(\_\_\_\_\_) \_\_\_\_\_ NE

Samples analyzed by: Enviroscan  
Lab ID# 737053130  
Lab ID# Swanson 268181760  
(v) if Quality Control exceedance

PERMITEE'S NAME  
**FLAMBEAU MINING CO**  
FACILITY NAME  
**FLAMBEAU MINING CO**

LBS/  
MIN

PERMIT NUMBER	0047376		MONTH	JANUARY 1993		COUNTY	55-RUSK	
SAMPLE PT. NUMBER	002(EFFL)	002(EFFL)	099	099	099	099	099	003(EFFL)
SAMPLE PT. DESCRIPTION	SETTLING POND EFFLUENT	SETTLING POND EFFLUENT	SUM OF LOADINGS TO 001+002	SUM OF LOADINGS TO 001+002	SUM OF LOADINGS TO 001+002	SUM OF LOADINGS TO 001+002	SUM OF LOADINGS TO 001+002	PRIOR TO WETLANDS
PARAMETER NUMBER	00400	00026	90112	00138	85007	00242	85010	00244
PARAMETER NAME	PH	HARDNESS TOTAL	BERYLLIUM	CADMIUM TOTAL	CHROMIUM TOTAL	LEAD TOTAL	NICKEL TOTAL	FLOW
PARAMETER UNITS	S U	MG/L	LBS/DAY	LBS/DAY	LBS/DAY	LBS/DAY	LBS/DAY	MGD
MONTHLY AVERAGE	XXXXXXXXXX	48.0	∅ T	∅ T	∅.06 T	0.006 T	0.038 T	∅
DAILY MAXIMUM	6.59	48.0	∅ T	∅ T	∅.18 T	0.017 T	0.108 T	∅
DAILY MINIMUM	6.28	XXXXXXXXXX	∅ T	∅ T	∅ T	0 T	∅ T	∅
WEEKLY AVG: 01/01-01/07			∅ T	∅ T	0.06 T	0.006 T	0.038 T	
WEEKLY AVG: 01/08-01/14			N	N	N	N	N	
WEEKLY AVG: 01/15-01/21			N	N	N	N	N	
WEEKLY AVG: 01/22-01/28			N	N	N	N	N	
WEEKLY AVG: 01/29-01/31			N	N	N	N	N	
NUMBER OF VALUES REPORTED	3	1	3	3	3	3	3	∅
PERMIT REQUIREMENTS	LIMIT	Times Exceeded	LIMIT	Times Exceeded	LIMIT	Times Exceeded	LIMIT	Times Exceeded
MONTHLY AVERAGE					0.67	∅		
DAILY MAXIMUM	9.00	∅						
DAILY MINIMUM	6.00	∅						
WEEKLY AVERAGE					0.04	∅	6.40	∅
FREQUENCY OF SAMPLING	DAILY		QUARTERLY		WEEKLY		WEEKLY	
SAMPLE TYPE REQUIRED	GRAB		COMPOSITE		CALCULATED		CALCULATED	

PERMIT NUMBER	0047376		MONTH	JANUARY 1993		FACILITY NAME:	FLAMBEAU MINING CO		PAGE	7
SAMPLE POINT PARAMETER	002(EFFL)	002(EFFL)	099	099	099	099	099	099	003(EFFL)	
PARAMETER	00400	00026	90112	00138	85007	00242	85010	00244		
REMARKS:	Date	* 1	* 2	* 3	* 4	* 5	* 6	* 7	* 8	
	1									
	2									
	3									
	4	6.55	48.0	∅ T	∅ T	0.18 T	∅ T	∅ T		
	5	6.59		∅ T	∅ T	∅ T	0.017 T	0.108 T		
	6	6.28		∅ T	∅ T	∅ T	0.001 T	0.005 T		
	7									
	8									
	9									
	10									
	11									
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	26									
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	29									
	30									
	31									
TOTAL				∅	∅	0.18	0.018	0.113		

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SALT LAKE CITY UT 84112

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Signature of Operator: Jana E. Murphy Certificate Number if Applicable: 21458  
Signature of Principal Executive Officer or Authorized Agent: L. E. Mercado Title: VP & General Mgr.

1: EITHER TOTAL OR TOTAL RECOVERABLE IS ACCEPTABLE.  
2: NOTE WHICH VALUE IS REPORTED (T OR TR).  
3: REPORT EITHER CHROMIUM TOTAL OR +3. NOTE FORM REPRTD.

(v)  
District Editor \_\_\_\_\_ ND  
Date Edited \_\_\_\_\_ NI  
Other(\_\_\_\_\_) \_\_\_\_\_ NE

Samples analyzed by: \_\_\_\_\_  
Lab ID# \_\_\_\_\_  
Lab ID# \_\_\_\_\_  
(v) if Quality Control exceedanc

PERMITEE'S NAME  
**FLAMBEAU MINING CO**  
FACILITY NAME  
**FLAMBEAU MINING CO**

LBE/  
MIN

PERMIT NUMBER	0047376		MONTH	JANUARY 1993		COUNTY	55-RUSK	
SAMPLE PT. NUMBER	003(EFFL)	003(EFFL)	003(EFFL)	003(EFFL)	003(EFFL)	003(EFFL)	003(EFFL)	003(EFFL)
SAMPLE PT. DESCRIPTION	PRIOR TO WETLANDS	PRIOR TO WETLANDS	PRIOR TO WETLANDS	PRIOR TO WETLANDS	PRIOR TO WETLANDS	PRIOR TO WETLANDS	PRIOR TO WETLANDS	PRIOR TO WETLANDS
PARAMETER NUMBER	00400	00134	00266	01002	01012	00120	00122	00121
PARAMETER NAME	PH	SUSPENDED SOLIDS TOTAL	ALUMINUM TOTAL	ARSENIC TOTAL	BERYLLIUM TOTAL	CADMIUM TOTAL	CHROMIUM TOTAL	CHROMIUM HEXAVALENT (+6)
PARAMETER UNITS	S U	MG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
NOTES (SEE ABOVE)			1,2	1,2		1,2	2,3	
MONTHLY AVERAGE	XXXXXXXXXX	N	N	N	N	N	N	N
DAILY MAXIMUM	N	N	N	N	N	N	N	N
DAILY MINIMUM	N	N	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX
WEEKLY AVG:								
01/01-01/07								
01/08-01/14								
01/15-01/21								
01/22-01/28								
01/29-01/31								
NUMBER OF VALUES REPORTED	0	0	0	0	0	0	0	0
PERMIT REQUIREMENTS	LIMIT	Times Exceeded	LIMIT	Times Exceeded	LIMIT	Times Exceeded	LIMIT	Times Exceeded
MONTHLY AVERAGE			20.00	N			50.00	N
DAILY MAXIMUM	9.00	N	30.00	N	1500.00	N	730.00	N
DAILY MINIMUM	5.00	N					79.80	N
WEEKLY AVERAGE							7.10	N
980.00	N							N
FREQUENCY OF SAMPLING	DAILY	DAILY	MONTHLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY
SAMPLE TYPE REQUIRED	GRAB	COMPOSITE	COMPOSITE	COMPOSITE	COMPOSITE	COMPOSITE	COMPOSITE	GRAB

PERMIT NUMBER	0047376		MONTH	JANUARY 1993		FACILITY NAME:	FLAMBEAU MINING CO		PAGE	8
SAMPLE POINT PARAMETER	003(EFFL)	003(EFFL)	003(EFFL)	003(EFFL)	003(EFFL)	003(EFFL)	003(EFFL)	003(EFFL)	003(EFFL)	
REMARKS:	Date	* 1	* 2	* 3	* 4	* 5	* 6	* 7	* 8	
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\* In These Columns Enter Number of Samples Analyzed Per Day. Unless noted under parameter name, each daily value entered must be the highest value of all sample types analyzed for that day. WISCONSIN STATUTE 147.08.

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FACILITY ADDRESS  
LAWRENCE E MERCANDO DIR PROCSS DEV  
FLAMBEAU MINING CO  
1515 MINERAL SQUARE  
SALT LAKE CITY UT 84112

RETURN REPORT NO LATER THAN: **FEBRUARY 15**

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED IN THIS DOCUMENT AND ALL ATTACHMENTS AND THAT, BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THAT THE INFORMATION IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINES AND IMPRISONMENT. (40 CRF 122.5). I ALSO CERTIFY THAT THE VALUES BEING SUBMITTED ARE THE ACTUAL VALUES FOUND IN THE SAMPLES; NO VALUES HAVE BEEN MODIFIED OR CHANGED IN ANY MANNER. WHEREVER I BELIEVE A VALUE BEING REPORTED IS INACCURATE, I HAVE ADDED AN EXPLANATION INDICATING THE REASONS WHY THE VALUE IS INACCURATE.

Signature of Operator: *Jana E. Murphy*  
Signature of Principal Executive Officer or Authorized Agent: *L. Mercando*  
Certificate Number if Applicable: 21458  
Title: VP & General Mgr.  
ORIGINAL COPY SEE BACK OF FORM FOR INSTRUCTIONS

COMMENT SECTION

1: EITHER TOTAL OR TOTAL RECOVERABLE IS ACCEPTABLE.  
2: NOTE WHICH VALUE IS REPORTED (T OR TR).

District Editor ND  
 Date Edited NI  
 Other( ) NE

Samples analyzed by: \_\_\_\_\_  
 Lab ID# \_\_\_\_\_  
 Lab ID# \_\_\_\_\_  
 if Quality Control exceedances

PERMITEE'S NAME  
**FLAMBEAU MINING CO**  
 FACILITY NAME  
**FLAMBEAU MINING CO**

LBE/J  
MIN

PERMIT NUMBER	0047376		MONTH	JANUARY 1993		COUNTY	55-RUSK	
SAMPLE PT. NUMBER	003(EFFL)	003(EFFL)	003(EFFL)	003(EFFL)	003(EFFL)	003(EFFL)	003(EFFL)	003(EFFL)
SAMPLE PT. DESCRIPTION	PRIOR TO WETLANDS	PRIOR TO WETLANDS	PRIOR TO WETLANDS	PRIOR TO WETLANDS	PRIOR TO WETLANDS	PRIOR TO WETLANDS	PRIOR TO WETLANDS	PRIOR TO WETLANDS
PARAMETER NUMBER	00123	00125	00126	00128	00270	00271	00131	00026
PARAMETER NAME	COPPER TOTAL	LEAD TOTAL	MERCURY TOTAL	NICKEL TOTAL	SELENIUM TOTAL	SILVER TOTAL	ZINC TOTAL	HARDNESS TOTAL
PARAMETER UNITS	UG/L	UG/L	NG/L	UG/L	UG/L	UG/L	UG/L	MG/L
NOTES (SEE ABOVE)	1,2	1,2		1,2	1,2	1,2	1,2	
MONTHLY AVERAGE	N	N	N	N	N	N	N	N
DAILY MAXIMUM	N	N	N	N	N	N	N	N
DAILY MINIMUM	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX
WEEKLY AVG:								
01/01-01/07								
01/08-01/14								
01/15-01/21								
01/22-01/28								
01/29-01/31								
NUMBER OF VALUES REPORTED	0	0	0	0	0	0	0	0
PERMIT REQUIREMENTS	LIMIT	LIMIT	LIMIT	LIMIT	LIMIT	LIMIT	LIMIT	LIMIT
MONTHLY AVERAGE			2.00					
DAILY MAXIMUM	50.00	590.00		445.00	120.00	6.60	300.00	
DAILY MINIMUM								
WEEKLY AVERAGE		140.00		156.00				
FREQUENCY OF SAMPLING	MONTHLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY	QUARTERLY
SAMPLE TYPE REQUIRED	COMPOSITE	COMPOSITE	COMPOSITE	COMPOSITE	COMPOSITE	COMPOSITE	COMPOSITE	COMPOSITE

PERMIT NUMBER	0047376		MONTH	JANUARY 1993		FACILITY NAME:	FLAMBEAU MINING CO		PAGE	9
SAMPLE POINT PARAMETER	003(EFFL)	003(EFFL)	003(EFFL)	003(EFFL)	003(EFFL)	003(EFFL)	003(EFFL)	003(EFFL)	003(EFFL)	003(EFFL)
REMARKS:	Date	* 1	* 2	* 3	* 4	* 5	* 6	* 7	* 8	
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TOTAL										

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**FLAMBEAU MINING CO**  
**1515 MINERAL SQUARE**  
**SALT LAKE CITY UT 84112**

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Signature of Operator: *Jana E. Murphy*  
 Signature of Principal Executive Officer or Authorized Agent: *L. Mercado*  
 Certificate Number if Applicable: **21458**  
 Title: *VP & General Mgr.*

ORIGINAL COPY SEE BACK OF FORM FOR INSTRUCTIONS

COMMENT SECTION

1: EITHER TOTAL OR TOTAL RECOVERABLE IS ACCEPTABLE.  
2: NOTE WHICH VALUE IS REPORTED (T OR TR).

District Editor ND  
 Date Edited NI  
 Other( ) NE

Samples analyzed by: \_\_\_\_\_  
 Lab ID# \_\_\_\_\_  
 Lab ID# \_\_\_\_\_  
 (✓) if Quality Control exceeded

PERMITEE'S NAME  
**FLAMBEAU MINING CO**  
 FACILITY NAME  
**FLAMBEAU MINING CO**

LBE/  
MIN

PERMIT NUMBER 0047376 MONTH FEBRUARY 1993 COUNTY 55-RUSK

SAMPLE PT. NUMBER	001(EFFL)	001(EFFL)	001(EFFL)	001(EFFL)	001(EFFL)	001(EFFL)	001(EFFL)	001(EFFL)
SAMPLE PT. DESCRIPTION	WASTEWATER TREATMENT PLANT EFF	WASTEWATER TREATMENT PLANT EFF	WASTEWATER TREATMENT PLANT EFF	WASTEWATER TREATMENT PLANT EFF	WASTEWATER TREATMENT PLANT EFF	WASTEWATER TREATMENT PLANT EFF	WASTEWATER TREATMENT PLANT EFF	WASTEWATER TREATMENT PLANT EFF
PARAMETER NUMBER	00244	00134	00266	01002	01012	90112	00120	00138
PARAMETER NAME	FLOW	SUSPENDED SOLIDS TOTAL	ALUMINUM TOTAL	ARSENIC TOTAL	BERYLLIUM TOTAL	BERYLLIUM	CADMIUM TOTAL	CADMIUM TOTAL
PARAMETER UNITS	MGD	MG/L	UG/L	UG/L	UG/L	LBS/DAY	UG/L	LBS/DAY
NOTES (SEE ABOVE)			1,2	1,2			1,2	
MONTHLY AVERAGE	∅	N	N	N	N	N	N	N
DAILY MAXIMUM	∅	N	N	N	N	N	N	N
DAILY MINIMUM	∅	N	N	N	N	N	N	N
WEEKLY AVG:								
02/01-02/07								
02/08-02/14								
02/15-02/21								
02/22-02/28								
NUMBER OF VALUES REPORTED	∅	∅	∅	∅	∅	∅	∅	∅
PERMIT REQUIREMENTS	LIMIT	LIMIT	LIMIT	LIMIT	LIMIT	LIMIT	LIMIT	LIMIT
MONTHLY AVERAGE		20.00	1500.00	730.00			50.00	
DAILY MAXIMUM		30.00					79.80	
DAILY MINIMUM							7.10	
WEEKLY AVERAGE								
FREQUENCY OF SAMPLING	DAILY	DAILY	WEEKLY	WEEKLY	WEEKLY	WEEKLY	3/WEEK	3/WEEK
SAMPLE TYPE REQUIRED	CONTINUOUS	24HR COMP	24HR COMP	24HR COMP	24HR COMP	CALCULATED	24HR COMP	CALCULATED

PERMIT NUMBER 0047376 MONTH FEBRUARY 1993 FACILITY NAME: FLAMBEAU MINING CO PAGE 1

SAMPLE POINT PARAMETER	001(EFFL)	001(EFFL)	001(EFFL)	001(EFFL)	001(EFFL)	001(EFFL)	001(EFFL)	001(EFFL)
PARAMETER	00244	00134	00266	01002	01012	90112	00120	00138
REMARKS:	Date * 1	* 2	* 3	* 4	* 5	* 6	* 7	* 8
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 SPOONER, WI. 54801

FACILITY ADDRESS  
 LAWRENCE E. MERCANDO DIR PROCSS DEV  
 FLAMBEAU MINING CO  
 1515 MINERAL SQUARE  
 SALT LAKE CITY UT 84112

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RETURN REPORT NO LATER THAN: MARCH 15

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Signature of Operator: *Jana E. Murphy*  
 Signature of Principal Executive Officer or Authorized Agent: *L. Mercando*  
 Certificate Number if Applicable: 21458  
 Title: VP & General Mgr

DISCHARGE MONITORING REPORT FORM

Form 3200-28 Rev. 6-89

DATE RECEIVED

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PAGE 2 OF

1: REPORT EITHER CHROMIUM TOTAL OR +3. NOTE FORM REPRTD.  
 2: NOTE WHICH VALUE IS REPORTED (T OR TR).  
 3: EITHER TOTAL OR TOTAL RECOVERABLE IS ACCEPTABLE.

(v)  
 District Editor \_\_\_\_\_ ND  
 Date Edited \_\_\_\_\_ NI  
 Other(\_\_\_\_\_) \_\_\_\_\_ NE

Samples analyzed by: \_\_\_\_\_  
 Lab ID# \_\_\_\_\_  
 Lab ID# \_\_\_\_\_  
 (v) if Quality Control exceedanc

PERMITEE'S NAME  
**FLAMBEAU MINING CO**  
 FACILITY NAME  
**FLAMBEAU MINING CO**

LBE/  
 MIN

PERMIT NUMBER	0047376		MONTH	FEBRUARY 1993		COUNTY	55-RUSK	
SAMPLE PT. NUMBER	001(EFFL)	001(EFFL)	001(EFFL)	001(EFFL)	001(EFFL)	001(EFFL)	001(EFFL)	001(EFFL)
SAMPLE PT. DESCRIPTION	WASTEWATER TREATMENT PLANT EFF	WASTEWATER TREATMENT PLANT EFF	WASTEWATER TREATMENT PLANT EFF	WASTEWATER TREATMENT PLANT EFF	WASTEWATER TREATMENT PLANT EFF	WASTEWATER TREATMENT PLANT EFF	WASTEWATER TREATMENT PLANT EFF	WASTEWATER TREATMENT PLANT EFF
PARAMETER NUMBER	00122	85007	00121	00123	00125	00242	00126	00128
PARAMETER NAME	CHROMIUM TOTAL	CHROMIUM TOTAL	CHROMIUM HEXAVALENT (+6)	COPPER TOTAL	LEAD TOTAL	LEAD TOTAL	MERCURY TOTAL	NICKEL TOTAL
PARAMETER UNITS	UG/L	LBS/DAY	UG/L	UG/L	UG/L	LBS/DAY	NG/L	UG/L
NOTES (SEE ABOVE)	1,2			3,2	3,2			3,2
MONTHLY AVERAGE	N	N	N	N	N	N	N	N
DAILY MAXIMUM	N	N	N	N	N	N	N	N
DAILY MINIMUM	N	N	N	N	N	N	N	N
WEEKLY AVG:								
02/01-02/07								
02/08-02/14								
02/15-02/21								
02/22-02/28								
NUMBER OF VALUES REPORTED	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
PERMIT REQUIREMENTS	LIMIT	Times Exceeded	LIMIT	Times Exceeded	LIMIT	Times Exceeded	LIMIT	Times Exceeded
MONTHLY AVERAGE							2.00	N
DAILY MAXIMUM	5400.00	N	28.00	N	50.00	N		445.00
DAILY MINIMUM								156.00
WEEKLY AVERAGE	980.00	N						
FREQUENCY OF SAMPLING	WEEKLY	WEEKLY	WEEKLY	3/WEEK	WEEKLY	WEEKLY	WEEKLY	WEEKLY
SAMPLE TYPE REQUIRED	24HR COMP	CALCULATED	GRAB	24HR COMP	24HR COMP	CALCULATED	24HR COMP	24HR COMP

PERMIT NUMBER	0047376		MONTH	FEBRUARY 1993		FACILITY NAME:	FLAMBEAU MINING CO		PAGE	2	
SAMPLE POINT PARAMETER	001(EFFL)	001(EFFL)	001(EFFL)	001(EFFL)	001(EFFL)	001(EFFL)	001(EFFL)	001(EFFL)	001(EFFL)	001(EFFL)	
PARAMETER	00122	85007	00121	00123	00125	00242	00126	00128			
REMARKS:	Date	* 1	* 2	* 3	* 4	* 5	* 6	* 7	* 8		
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Signature of Operator: *Jana E. Murphy*  
 Signature of Principal Executive Officer or Authorized Agent: *L. Mercando*  
 Certificate Number if Applicable: 21458  
 Title: VP & General Mgr

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DISCHARGE MONITORING REPORT FORM

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COMMENT SECTION

- 1: EITHER TOTAL OR TOTAL RECOVERABLE IS ACCEPTABLE.
- 2: NOTE WHICH VALUE IS REPORTED (T OR TR).
- 3: REPORT EXCEED. OF 6.0 MIN. LIMIT IN PARAM 00263 & 00265
- 4: REPORT EXCEED. OF 9.0 MAX. LIMIT IN PARAM 00263 & 00265
- 5: MONTHLY EXCEED. TIME IS SUM OF DAILY MINUTES, REPORT
- 6: THIS TOTAL OF DAILY MINUTES ON MONTHLY AVG. LINE.

\_\_\_\_\_  
District Editor ND  
\_\_\_\_\_  
Date Edited NI  
\_\_\_\_\_  
Other( ) NE

Samples analyzed by: \_\_\_\_\_  
Lab ID# \_\_\_\_\_  
Lab ID# \_\_\_\_\_  
(✓) if Quality Control exceeded

PERMITEE'S NAME  
**FLAMBEAU MINING CO**  
FACILITY NAME  
**FLAMBEAU MINING CO**

LBE/  
MIN

PERMIT NUMBER **0047376** MONTH **FEBRUARY 1993** COUNTY **55-RUSK**

SAMPLE PT. NUMBER	001(EFFL) WASTEWATER TREATMENT PLANT EFF	001(EFFL) WASTEWATER TREATMENT PLANT EFF	001(EFFL) WASTEWATER TREATMENT PLANT EFF	001(EFFL) WASTEWATER TREATMENT PLANT EFF	001(EFFL) WASTEWATER TREATMENT PLANT EFF	001(EFFL) WASTEWATER TREATMENT PLANT EFF	001(EFFL) WASTEWATER TREATMENT PLANT EFF	001(EFFL) WASTEWATER TREATMENT PLANT EFF
SAMPLE PT. DESCRIPTION								
PARAMETER NUMBER	85010	00270	00271	00131	00261	00262	00263	00265
PARAMETER NAME	NICKEL TOTAL	SELENIUM TOTAL	SILVER TOTAL	ZINC TOTAL	PH (MINIMUM)	PH (MAXIMUM)	PH TOTAL EXCEEDANCE TIME (MINUTES)	PH EXCEED-ANCES GREATER THAN 60 MINUTES NUMBER
PARAMETER UNITS	LBS/DAY	UG/L	UG/L	UG/L	S U	S U	MINUTES	NUMBER
NOTES (SEE ABOVE)		1,2	1,2	1,2	3	4	5,6	
MONTHLY AVERAGE	N	N	N	N	XXXXXXXXXX	XXXXXXXXXX	N	XXXXXXXXXX
DAILY MAXIMUM	N	N	N	N	XXXXXXXXXX	N	XXXXXXXXXX	N
DAILY MINIMUM	N	N	N	N	N	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX
NUMBER OF VALUES REPORTED	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
PERMIT REQUIREMENTS	LIMIT	LIMIT	LIMIT	LIMIT	LIMIT	LIMIT	LIMIT	LIMIT
MONTHLY AVERAGE							446.00	N
DAILY MAXIMUM		120.00	6.60	300.00		4.00	11.00	N
DAILY MINIMUM								
WEEKLY AVERAGE								
FREQUENCY OF SAMPLING	WEEKLY	WEEKLY	WEEKLY	WEEKLY	DAILY	DAILY	DAILY	DAILY
SAMPLE TYPE REQUIRED	CALCULATED	24HR COMP	24HR COMP	24HR COMP	CONTINUOUS	CONTINUOUS	CALCULATED	CALCULATED

PERMIT NUMBER **0047376** MONTH **FEBRUARY 1993** FACILITY NAME: **FLAMBEAU MINING CO** PAGE **3**

SAMPLE POINT PARAMETER	001(EFFL) 85010	001(EFFL) 00270	001(EFFL) 00271	001(EFFL) 00131	001(EFFL) 00261	001(EFFL) 00262	001(EFFL) 00263	001(EFFL) 00265
REMARKS:	Date * 1	* 2	* 3	* 4	* 5	* 6	* 7	* 8
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**P.O. BOX 309**  
**SPOONER, WI. 54801**

FACILITY ADDRESS  
**LAWRENCE E MERCANDO DIR PROCSS DEV**  
**FLAMBEAU MINING CO**  
**1515 MINERAL SQUARE**  
**SALT LAKE CITY UT 84112**

RETURN REPORT NO LATER THAN: **MARCH 15**

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED IN THIS DOCUMENT AND ALL ATTACHMENTS AND THAT, BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THAT THE INFORMATION IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINES AND IMPRISONMENT. (40 CRF 122.5). I ALSO CERTIFY THAT THE VALUES BEING SUBMITTED ARE THE ACTUAL VALUES FOUND IN THE SAMPLES; NO VALUES HAVE BEEN MODIFIED OR CHANGED IN ANY MANNER. WHEREVER I BELIEVE A VALUE BEING REPORTED IS INACCURATE, I HAVE ADDED AN EXPLANATION INDICATING THE

Signature of Operator: *Jana E. Murphy*  
Signature of Principal Executive Officer or Authorized Agent: *L. Mercado*  
Certificate Number if Applicable: **21458**  
Title: *VP & General Manager*

COMMENT SECTION

1: EITHER TOTAL OR TOTAL RECOVERABLE IS ACCEPTABLE.  
2: NOTE WHICH VALUE IS REPORTED (T OR TR).

(v)  
\_\_\_\_ District Editor \_\_\_\_\_ ND  
\_\_\_\_ Date Edited \_\_\_\_\_ NI  
\_\_\_\_ Other(\_\_\_\_\_) \_\_\_\_\_ NE

Samples analyzed by: \_\_\_\_\_  
Lab ID# \_\_\_\_\_  
Lab ID# \_\_\_\_\_  
(v) if Quality Control exceeded

PERMITEE'S NAME  
**FLAMBEAU MINING CO**  
FACILITY NAME  
**FLAMBEAU MINING CO**

LBE/  
MIN

PERMIT NUMBER	0047376		MONTH	FEBRUARY 1993		COUNTY	55-RUSK	
SAMPLE PT. NUMBER	001(EFFL)	001(EFFL)	001(EFFL)	001(EFFL)	002(EFFL)	002(EFFL)	002(EFFL)	002(EFFL)
SAMPLE PT. DESCRIPTION	WASTEWATER TREATMENT PLANT EFF	WASTEWATER TREATMENT PLANT EFF	WASTEWATER TREATMENT PLANT EFF	WASTEWATER TREATMENT PLANT EFF	SETTLING POND EFFLUENT	SETTLING POND EFFLUENT	SETTLING POND EFFLUENT	SETTLING POND EFFLUENT
PARAMETER NUMBER	00360	00183	00026	81621	00244	00134	00266	01002
PARAMETER NAME	DISSOLVED SOLIDS TOTAL	DISSOLVED OXYGEN	HARDNESS TOTAL	SULFIDE TOTAL	FLOW	SUSPENDED SOLIDS TOTAL	ALUMINUM TOTAL	ARSENIC TOTAL
PARAMETER UNITS	MG/L	MG/L	MG/L	UG/L	MGD	MG/L	MG/L	UG/L
NOTES (SEE ABOVE)							1,2	1,2
MONTHLY AVERAGE	XXXXXXXXXX	XXXXXXXXXX	N	N	Ø	N	N	N
DAILY MAXIMUM	N	XXXXXXXXXX	N	N	Ø	N	N	N
DAILY MINIMUM	XXXXXXXXXX	N	XXXXXXXXXX	N	Ø	N	XXXXXXXXXX	XXXXXXXXXX
NUMBER OF VALUES REPORTED	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
PERMIT REQUIREMENTS	LIMIT	Times Exceeded	LIMIT	Times Exceeded	LIMIT	Times Exceeded	LIMIT	Times Exceeded
MONTHLY AVERAGE							20.00	N
DAILY MAXIMUM			5.00	N			30.00	N
DAILY MINIMUM							1500.00	N
WEEKLY AVERAGE								730.00
FREQUENCY OF SAMPLING	MONTHLY	DAILY	QUARTERLY	3/WEEK	DAILY	DAILY	MONTHLY	MONTHLY
SAMPLE TYPE REQUIRED	24HR COMP	GRAB	24HR COMP	GRAB	CONTINUOUS	COMPOSITE	COMPOSITE	COMPOSITE

PERMIT NUMBER	0047376		MONTH	FEBRUARY 1993		FACILITY NAME:	FLAMBEAU MINING CO		PAGE	4	
SAMPLE POINT PARAMETER	001(EFFL)	001(EFFL)	001(EFFL)	001(EFFL)	002(EFFL)	002(EFFL)	002(EFFL)	002(EFFL)	002(EFFL)	002(EFFL)	002(EFFL)
PARAMETER	00360	00183	00026	81621	00244	00134	00266	01002			
REMARKS:	Date	* 1	* 2	* 3	* 4	* 5	* 6	* 7	* 8		
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TOTAL											

\* In These Columns Enter Number of Samples Analyzed Per Day. Unless noted under parameter name, each daily value entered must be the highest value of all sample types analyzed for that day. WISCONSIN STATUTE 147.08.

RETAIN FACILITY COPY  
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SPOONER, WI. 54801

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LAWRENCE E MERCANDO DIR PROCSS DEV  
FLAMBEAU MINING CO  
1515 MINERAL SQUARE  
SALT LAKE CITY UT 84112

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Signature of Operator: *Jana E. Murphy*  
Signature of Principal Executive Officer or Authorized Agent: *L. Mercado*  
Certificate Number if Applicable: 21458  
Title: VP & General Mgr

1: EITHER TOTAL OR TOTAL RECOVERABLE IS ACCEPTABLE.  
 2: NOTE WHICH VALUE IS REPORTED (T OR TR).

(V)  
 District Editor \_\_\_\_\_ ND  
 Date Edited \_\_\_\_\_ NI  
 Other(\_\_\_\_\_) \_\_\_\_\_ NE

Samples analyzed by: \_\_\_\_\_  
 Lab ID# \_\_\_\_\_  
 Lab ID# \_\_\_\_\_  
 (V) if Quality Control exceedances

PERMITEE'S NAME  
**FLAMBEAU MINING CO**  
 FACILITY NAME  
**FLAMBEAU MINING CO**

LBE/JPI  
 MIN

PERMIT NUMBER	0047376		MONTH	FEBRUARY 1993		COUNTY	55-RUSK	
SAMPLE PT. NUMBER	002(EFFL)	002(EFFL)	002(EFFL)	002(EFFL)	002(EFFL)	002(EFFL)	002(EFFL)	002(EFFL)
SAMPLE PT. DESCRIPTION	SETTLING POND EFFLUENT	SETTLING POND EFFLUENT	SETTLING POND EFFLUENT	SETTLING POND EFFLUENT	SETTLING POND EFFLUENT	SETTLING POND EFFLUENT	SETTLING POND EFFLUENT	SETTLING POND EFFLUENT
PARAMETER NUMBER	00125	00242	00126	00128	85010	00270	00271	00131
PARAMETER NAME	LEAD TOTAL	LEAD TOTAL	MERCURY TOTAL	NICKEL TOTAL	NICKEL TOTAL	SELENIUM TOTAL	SILVER TOTAL	ZINC TOTAL
PARAMETER UNITS	UG/L	LBS/DAY	NG/L	UG/L	LBS/DAY	UG/L	UG/L	UG/L
NOTES (SEE ABOVE)	1,2			1,2		1,2	1,2	1,2
MONTHLY AVERAGE	N	N	N	N	N	N	N	N
DAILY MAXIMUM	N	N	N	N	N	N	N	N
DAILY MINIMUM	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX
WEEKLY AVG:								
02/01-02/07								
02/08-02/14								
02/15-02/21								
02/22-02/28								
NUMBER OF VALUES REPORTED	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
PERMIT REQUIREMENTS	LIMIT	Times Exceeded	LIMIT	Times Exceeded	LIMIT	Times Exceeded	LIMIT	Times Exceeded
MONTHLY AVERAGE			2.00	N			120.00	N
DAILY MAXIMUM	590.00	N			445.00	N	6.60	N
DAILY MINIMUM					156.00	N		
WEEKLY AVERAGE	140.00	N						
FREQUENCY OF SAMPLING	MONTHLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY
SAMPLE TYPE REQUIRED	COMPOSITE	CALCULATED	COMPOSITE	COMPOSITE	CALCULATED	COMPOSITE	COMPOSITE	COMPOSITE

PERMIT NUMBER	0047376		MONTH	FEBRUARY 1993		FACILITY NAME:	FLAMBEAU MINING CO		PAGE	6
SAMPLE POINT PARAMETER	002(EFFL)	002(EFFL)	002(EFFL)	002(EFFL)	002(EFFL)	002(EFFL)	002(EFFL)	002(EFFL)	002(EFFL)	002(EFFL)
PARAMETER	00125	00242	00126	00128	85010	00270	00271	00131		
REMARKS:	Date * 1	* 2	* 3	* 4	* 5	* 6	* 7	* 8		
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TOTAL										

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Signature of Operator: *Jana E. Murphy*  
 Signature of Principal Executive Officer or Authorized Agent: *L. Mercado*  
 Certificate Number if Applicable: **21458**  
 Title: *VP & General Mgr.*

ORIGINAL COPY    SEE BACK OF FORM FOR INSTRUCTIONS

LIMIT IS 0.046 LBS/DAY.

(v)

\_\_\_\_ District Editor \_\_\_\_\_ ND  
 \_\_\_\_ Date Edited \_\_\_\_\_ NI  
 \_\_\_\_ Other(\_\_\_\_) \_\_\_\_\_ NE

Samples analyzed by: \_\_\_\_\_  
 Lab ID# \_\_\_\_\_  
 Lab ID# \_\_\_\_\_  
 \_\_\_\_\_ (v) if Quality Control exceedances

PERMITEE'S NAME  
**FLAMBEAU MINING CO**  
 FACILITY NAME  
**FLAMBEAU MINING CO**

**LBE/JPH**  
**MIN**

MIT NUMBER	0047376		MONTH	FEBRUARY 1993		COUNTY	55-RUSK		
PILE PT. NUMBER	002(EFFL)	002(EFFL)	099	099	099	099	099	099	
PILE PT. DESCRIPTION	SETTLING POND EFFLUENT	SETTLING POND EFFLUENT	SUM OF LOADINGS TO 001+002	SUM OF LOADINGS TO 001+002	SUM OF LOADINGS TO 001+002	SUM OF LOADINGS TO 001+002	SUM OF LOADINGS TO 001+002	SUM OF LOADINGS TO 001+002	
METER NUMBER	00400	00026	90112	00138	85007	00242	85010		
METER NAME	PH	HARDNESS TOTAL	BERYLLIUM	CADMIUM TOTAL	CHROMIUM TOTAL	LEAD TOTAL	NICKEL TOTAL		
METER UNITS	S U	MG/L	LBS/DAY	LBS/DAY	LBS/DAY	LBS/DAY	LBS/DAY		
TESTS (SEE ABOVE)				1					
DAILY AVERAGE	XXXXXXXXXX	N	N	N	N	N	N		
DAILY MAXIMUM	N	N	N	N	N	N	N		
DAILY MINIMUM	N	XXXXXXXXXX	N	N	N	N	N		
WEEKLY AVG:									
02/01-02/07									
02/08-02/14									
02/15-02/21									
02/22-02/28									
NUMBER OF VALUES REPORTED	0	0	0	0	0	0	0		
LIMIT REQUIREMENTS	LIMIT	LIMIT	LIMIT	LIMIT	LIMIT	LIMIT	LIMIT	LIMIT	
DAILY AVERAGE			0.04	N					
DAILY MAXIMUM	9.00	N							
DAILY MINIMUM	5.00	N			0.04	N	6.40	N	
WEEKLY AVERAGE						0.89	N	1.00	N
FREQUENCY OF SAMPLING	DAILY	QUARTERLY	WEEKLY	WEEKLY	WEEKLY	WEEKLY	WEEKLY		
SAMPLE TYPE REQUIRED	GRAB	COMPOSITE	CALCULATED	CALCULATED	CALCULATED	CALCULATED	CALCULATED		

MIT NUMBER	0047376		MONTH	FEBRUARY 1993		FACILITY NAME:	FLAMBEAU MINING CO		PAGE	7
SAMPLE POINT	002(EFFL)	002(EFFL)	099	099	099	099	099	099		
METER	00400	00026	90112	00138	85007	00242	85010			
MARKS:	Date * 1	* 2	* 3	* 4	* 5	* 6	* 7	* 8		Date
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TOTAL										

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Signature of Operator <i>Jana S. Murphy</i>	Certificate Number if Applicable 21458
Signature of Principal Executive Officer or Authorized Agent <i>L E Mercando</i>	Title <i>VP &amp; General Mgr</i>

ORIGINAL COPY

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