

DMR Copy of Record

Permit

Permit #: CO0000132
Major: No

Permittee: Oxbow Mining LLC
Permittee Address: PO Box 535
Someraset, CO 81434-0535

Facility: SANBORN CRK & ELK CRK MINES
Facility Location: 3737 HIGHWAY 133
SOMERSET, CO 81434

Permitted Feature: 009 External Outfall

Discharge: 009-A
Surface Runoff to N Fork of Gunnison River

Report Dates & Status

Monitoring Period: From 01/01/21 to 01/31/21

DMR Due Date: 02/28/21

Status: NetDMR Validated

Considerations for Form Completion

TSS & Total Recoverable Iron Limits will be waived, and settleable solids limit applied for <=10YR,24hr precip event. 30 day avg is highest monthly avg during period reported.

Principal Executive Officer

First Name: MIKE

Title: PRESIDENT

Telephone: 970-929-5122

Last Name:

LUDLOW

No Data Indicator (NODI)

-

Form NODI:

Code	Parameter Name	Monitoring Location	Season	Param. NODI	Sample	Permit Req	Value NODI	Quantity or Loading	Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Quality or Concentration	Qualifier 3	Value 3	Units	# of Ex. Frequency of Analysis	Sample Type
00400	pH	1 - Effluent Gross	0	--	Sample	Permit Req	Value NODI	6.5 MINIMUM	>=	C - No Discharge	<=	9.0 MAXIMUM	12 - SU	<=	C - No Discharge	<=	9.0 MAXIMUM	C - No Discharge	<=	9.0 MAXIMUM	12 - SU	01/30 - Monthly	GR - GRAB
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	Permit Req	Value NODI	35.0 30DA AVG	<=	C - No Discharge	<=	70.0 MX 7D AV	19 - mg/L	<=	C - No Discharge	<=	70.0 MX 7D AV	C - No Discharge	<=	70.0 MX 7D AV	19 - mg/L	01/30 - Monthly	GR - GRAB
00980	Iron, total recoverable	1 - Effluent Gross	0	--	Sample	Permit Req	Value NODI	3000.0 30DA AVG	<=	C - No Discharge	<=	6000.0 DAILY MX	28 - ug/L	<=	C - No Discharge	<=	6000.0 DAILY MX	C - No Discharge	<=	6000.0 DAILY MX	28 - ug/L	01/30 - Monthly	GR - GRAB
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	Permit Req	Value NODI	0.039 30DA AVG	<=	C - No Discharge	<=	Rec Mon DAILY MX	03 - MGD	<=	C - No Discharge	<=	Rec Mon DAILY MX	C - No Discharge	<=	Rec Mon DAILY MX	03 - MGD	01/30 - Monthly	IN - INSTAN

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

Oxbow Mining LLC

User:

GHGSMITHOXBOW

Douglas Smith

doug.smith@oxbow.com

2021-02-01 08:30 (Time Zone: -07:00)

Date/Time:

Report Last Signed By

GHGSMITHOXBOW

Douglas Smith

doug.smith@oxbow.com

2021-02-01 08:32 (Time Zone: -07:00)

Date/Time:

Permit

Maiores:

Major:

No

No

Permitted Feature:

012

012

Report Dates & Status

Monitoring Period:

Considerations for

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Considerations for Form Completion

TSS & Total Recoverable Iron limits will be

TSS & Total Recoverable Iron

TSS & Total Recoverable Iron limits will be

First Name:

MIKE

Last Name:

1110 W

No Data Indicator / NOON

No Data loaded

Form NODI:

Code	Parameter Name	Monitoring Location	Season	# Param. NODI	Quantity or Loading			Quality or Concentration			# of Ex. Frequency of Analysis			Sample Type
					Qualifier 1	Value 1	Qualifier 2	Qualifier 1	Value 1	Qualifier 3	Value 3	Units		
00010	Temperature, water deg. centigrade	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI		Req Mon MX WK AV C - No Discharge		Req Mon DAILY MX 04 - deg C		98/99 - Continuous		RC - Recorder (Auto)	
00094	Conductivity	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI		Req Mon 30DA AVG C - No Discharge		7B - dS/m		02/30 - Twice Per Month	GR - GRA48		
00400	pH	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI			>=	6.5 MINIMUM C - No Discharge		9.0 MAXIMUM	12 - SU	01/30 - Monthly	GR - GRA48
00440	Bicarbonate Ion- [as HCO3]	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI						Req Mon 30DA AVG C - No Discharge		02/30 - Twice Per Month	GR - GRA48
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI			<=	30.0 30DA AVG C - No Discharge		45.0 MX 7D AV	19 - mg/L	01/30 - Monthly	GR - GRA48
00918	Calcium, total recoverable	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI						Req Mon 30DA AVG C - No Discharge		02/30 - Twice Per Month	GR - GRA48
00921	Magnesium, total recoverable	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI						Req Mon 30DA AVG C - No Discharge		02/30 - Twice Per Month	GR - GRA48
00923	Sodium, total recoverable	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI						Req Mon DAILY MX 19 - mg/L		02/30 - Twice Per Month	GR - GRA48
00931	Sodium adsorption ratio	EG - Effluent Gross	0	--	Sample Permit Req. Value NODI						Req Mon DAILY MX 19 - mg/L		02/30 - Twice Per Month	GR - GRA48
00931	Sodium adsorption ratio	P - See Comments	0	--	Sample Permit Req. Value NODI						Req Mon DAILY MX 1U - Ratio		02/30 - Twice Per Month	CA - CALCTD
00940	Chloride [as Cl]	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI						Req Mon DAILY MX 1U - Ratio		02/30 - Twice Per Month	CA - CALCTD
00978	Arsenic, total recoverable	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI						Req Mon 30DA AVG C - No Discharge		02/30 - Twice Per Month	GR - GRA48
00980	Iron, total recoverable	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI			<=	3000.0 30DA AVG C - No Discharge			28 - ug/L	02/30 - Twice Per Month	GR - GRA48

01046	Iron, dissolved [as Fe]	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI	Req Mon 30DA AVG C - No Discharge	28 - ug/L	02/30 - Twice Per Month GR - GRAB
01056	Manganese, dissolved [as Mn]	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI	Req Mon 30DA AVG C - No Discharge	28 - ug/L	02/30 - Twice Per Month GR - GRAB
01074	Nickel, total recoverable	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI	Req Mon 30DA AVG C - No Discharge	28 - ug/L	02/30 - Twice Per Month GR - GRAB
01113	Cadmium, total recoverable	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI	Req Mon DAILY MX C - No Discharge	28 - ug/L	02/30 - Twice Per Month GR - GRAB
01114	Lead, total recoverable	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI	Req Mon DAILY MX C - No Discharge	28 - ug/L	02/30 - Twice Per Month GR - GRAB
01118	Chromium, total recoverable	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI	Req Mon 30DA AVG C - No Discharge	28 - ug/L	02/30 - Twice Per Month GR - GRAB
01303	Zinc, potentially dissolved	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI	Req Mon 30DA AVG C - No Discharge	28 - ug/L	02/30 - Twice Per Month GR - GRAB
01306	Copper, potentially dissolved	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI	Req Mon 30DA AVG C - No Discharge	28 - ug/L	02/30 - Twice Per Month GR - GRAB
01313	Cadmium, potentially dissolved	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI	Req Mon 30DA AVG C - No Discharge	28 - ug/L	02/30 - Twice Per Month GR - GRAB
01314	Chromium, trivalent, potentially dissolved	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI	Req Mon 30DA AVG C - No Discharge	28 - ug/L	02/30 - Twice Per Month GR - GRAB
01318	Lead, potentially dissolved	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI	Req Mon DAILY MX C - No Discharge	28 - ug/L	02/30 - Twice Per Month GR - GRAB
01319	Manganese, potentially dissolved	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI	Req Mon DAILY MX C - No Discharge	28 - ug/L	02/30 - Twice Per Month GR - GRAB
01322	Nickel, potentially dissolved	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI	Req Mon DAILY MX C - No Discharge	28 - ug/L	02/30 - Twice Per Month GR - GRAB
01323	Selenium, potentially dissolved	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI	Req Mon 30DA AVG C - No Discharge	28 - ug/L	02/30 - Twice Per Month GR - GRAB
03582	Oil and grease	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI	10.0 INST MAX C - No Discharge	19 - mg/L	7/7/77 - Contingent GR - GRAB
04262	Chromium, trivalent total recoverable	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI	Req Mon DAILY MX C - No Discharge	28 - ug/L	02/30 - Twice Per Month GR - GRAB
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample Permit Req. <=	0.004 30DA AVG C - No Discharge	Req Mon DAILY MX 03 - MGD C - No Discharge	01/30 - Monthly IN - INSTAN
50286	Mercury, total [low level]	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI	Req Mon 30DA AVG C - No Discharge	28 - ug/L	02/30 - Twice Per Month GR - GRAB
51202	Sulfide-hydrogen sulfide [undissociated]	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI	Req Mon 30DA AVG C - No Discharge	19 - mg/L	02/30 - Twice Per Month GR - GRAB
81020	Sulfate	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI	Req Mon 30DA AVG C - No Discharge	19 - mg/L	02/30 - Twice Per Month GR - GRAB

82057	Boron, total	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI	Req Mon 30DA AVG C - No Discharge	19 - mg/L	02/30 - Twice Per Month GR - GRAB
84066	Oil and grease visual	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI	Req Mon INST MAX gp - No Discharge	01/30 - Monthly	VI - VISUAL

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By
Oxbow Mining LLC

User:

Name:

E-Mail:

Date/Time:

Report Last Signed By

User:

Name:

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GHGSMITHOXBOW

Douglas Smith

doug.smith@oxbow.com

2021-02-01 08:29 (Time Zone: -07:00)

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Douglas Smith

doug.smith@oxbow.com

2021-02-01 08:32 (Time Zone: -07:00)