

DMR Copy of Record

Permit #:	CO0000132	Permittee:	Oxbow Mining LLC	Facility:	SANBORN CRK & ELK CRK MINES
Major:	No	Permittee Address:	PO Box 535 SOMERSET, CO 81434-0535	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		DMR Due Date:	01/23/24	Status:	NotDMR Validated
Monitoring Period:	From 12/01/23 to 12/31/23				
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	Monitoring Location	Sampled	Param NODI	Sample Permit Req. Value NODI	Sample Permit Req. Value NODI	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Frequency of Analysis	Sample Type
00400	pH	1 - Effluent Gross	0	-			>=	6.5 MINIMUM C - No Discharge	<=	9.0 MAXIMUM C - No Discharge		12 - SU	01/30 - Monthly	GR - GRAB
00530	Solids, total suspended	1 - Effluent Gross	0	-			<=	35.0 30DA AVG C - No Discharge	<=	70.0 MX 7D AV C - No Discharge		19 - mg/L	01/30 - Monthly	GR - GRAB
00980	Iron, total recoverable	1 - Effluent Gross	0	-			<=	1000.0 30DA AVG C - No Discharge	<=	6000.0 DAILY MX C - No Discharge		28 - ug/L	01/30 - Monthly	GR - GRAB
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	-			<=	0.039 30DA AVG C - No Discharge		Req Mon DAILY MX C - No Discharge		03 - MGD	01/30 - Monthly	IN - INSTANT

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:
GHGSMITH-OBXOW

Name:
Douglas Smith

E-Mail:
doug.smith@oxbow.com

Date/Time:
2024-01-02 10:47 (Time Zone: -07:00)

Report Last Signed By

User:
GHGSMITH-OBXOW

Name:
Douglas Smith

E-Mail:
doug.smith@oxbow.com

Date/Time:
2024-01-02 10:48 (Time Zone: -07:00)

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Permit # Major: CO0000132 No	Permittee: Permittee Address: Oxbow Mining LLC PO Box 535 Sommerset, CO 81434-0535	Facility: Facility Location: SANBORN CRK & ELK CRK MINES 3737 HIGHWAY 133 SOMERSET, CO 81434
Permitted Feature: 009 External Outfall	Discharge: 009-Q Quarterly Monitoring for 001A	
Report Dates & Status Monitoring Period: From 10/01/23 to 12/31/23	DMR Due Date 01/23/24	Status: Not DMR Validated
Considerations for Form Completion Quarterly monitoring - see Appendix B, #34, pg 17.		
Principal Executive Officer First Name: Last Name: Mike LUDLOW	Title: PRESIDENT	Telephone 970-925-5122
No Date Indicator (NODI) Form NODI: -		
Color: Normal	Receiving Location: Reasons for Permit: NODI	Quantity of Loading: Discharge 1 Value 1 Discharge 2 Value 2 Discharge 3 Value 3 Discharge 4 Value 4
00940 Chloride [as Cl]	1 - Effluent Gross 0 -	Req Mon 30DA AVG C - No Discharge 19 - ug/L 01/90 - Quarterly GR - GRAB
00978 Arsenic, total recoverable	1 - Effluent Gross 0 -	Req Mon 30DA AVG C - No Discharge 28 - ug/L 01/90 - Quarterly GR - GRAB
01056 Manganese, dissolved [as Mn]	1 - Effluent Gross 0 -	Req Mon 30DA AVG C - No Discharge 28 - ug/L 01/90 - Quarterly GR - GRAB
01074 Nickel, total recoverable	1 - Effluent Gross 0 -	Req Mon 30DA AVG C - No Discharge 28 - ug/L 01/90 - Quarterly GR - GRAB
01114 Lead, total recoverable	1 - Effluent Gross 0 -	Req Mon DAILY MX C - No Discharge 28 - ug/L 01/90 - Quarterly GR - GRAB
01118 Chromium, total recoverable	1 - Effluent Gross 0 -	Req Mon DAILY MX C - No Discharge 28 - ug/L 01/90 - Quarterly GR - GRAB
01303 Zinc, potentially dissolved	1 - Effluent Gross 0 -	Req Mon DAILY MX C - No Discharge 28 - ug/L 01/90 - Quarterly GR - GRAB
01306 Copper, potentially dissolved	1 - Effluent Gross 0 -	Req Mon DAILY MX C - No Discharge 28 - ug/L 01/90 - Quarterly GR - GRAB
01314 Chromium, trivalent, potentially dissolved	1 - Effluent Gross 0 -	Req Mon 30DA AVG C - No Discharge 28 - ug/L 01/90 - Quarterly GR - GRAB
01318 Lead, potentially dissolved	1 - Effluent Gross 0 -	Req Mon DAILY MX C - No Discharge 28 - ug/L 01/90 - Quarterly GR - GRAB
01319 Manganese, potentially dissolved	1 - Effluent Gross 0 -	Req Mon DAILY MX C - No Discharge 28 - ug/L 01/90 - Quarterly GR - GRAB
01322 Nickel, potentially dissolved	1 - Effluent Gross 0 -	Req Mon DAILY MX C - No Discharge 28 - ug/L 01/90 - Quarterly GR - GRAB
01323 Selenium, potentially dissolved	1 - Effluent Gross 0 -	Req Mon DAILY MX C - No Discharge 28 - ug/L 01/90 - Quarterly GR - GRAB

04262	Chromium, trivalent total recoverable	1 - Effluent Gross	0	-		Sample Parent Risk Value NODC	Req Mon DAILY MX C - No Discharge	01/00 - Quarterly	GR - GRAB
50286	Mercury, total [low level]	1 - Effluent Gross	0	-		Sample Parent Risk Value NODC	Req Mon 30DA AVG C - No Discharge	01/00 - Quarterly	GR - GRAB
51202	Sulfide-hydrogen sulfide [undissociated]	1 - Effluent Gross	0	-		Sample Parent Risk Value NODC	Req Mon 30DA AVG C - No Discharge	01/00 - Quarterly	GR - GRAB
81020	Sulfate	1 - Effluent Gross	0	-		Sample Parent Risk Value NODC	Req Mon 30DA AVG C - No Discharge	01/00 - Quarterly	GR - GRAB
82057	Boron, total	1 - Effluent Gross	0	-		Sample Parent Risk Value NODC	Req Mon 30DA AVG C - No Discharge	01/00 - Quarterly	GR - GRAB
Submission Note									
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Edit Check Errors									
No errors.									
Comments									
Attachments									
No attachments									
Report Last Saved By									
Oxbow Mining LLC									
User:									
GHGSMITHOXBOW									
Name:									
Douglas Smith									
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doug.smith@oxbow.com									
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Major:	No	Permittee Address:	PO Box 535 Someset, CO 81434-0535	Facility Location:	3737 HIGHWAY 133 SOMERSET, CO 81434												
Permitted Feature:	012 External Outfall	Discharge:	012-A Sediment Pond to Elk Creek														
Report Dates & Status		DMR Due Date:	01/28/24	Status:	NotDMR Validated												
Monitoring Period:	From 12/01/23 to 12/31/23																
Considerations for Form Completion																	
TSS & Total Recoverable from limits will be waived, and Settlesable Solids Limit applied for <=10yr.24hr precip event. 30 day avg is highest monthly avg during period reported. Report calculated SAR at MLOC=EG; adjusted SAR at MLOC=P.																	
Principal Executive Officer																	
First Name:	MIKE	Title:	PRESIDENT	Telephone:	970-929-5122												
Last Name:	LUDLOW																
No Date Indicator (NODI)																	
Form NODI:																	
Parameter Name	Monitoring Location	Baseline #	Parent NODI	Sample Period Begin Value NODI	Sample Period End Value NODI	Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 3	Value 3	Qualifier 4	Value 4	Frequency of Analysis	Symbol Type	
00010 Temperature, water deg. centigrade	1 - Effluent Gross	0	-												Req Mon DAILY MX 04 - deg C C - No Discharge	9899 - Continuous	RC - Recorder (auto)
00094 Conductivity	1 - Effluent Gross	0	-												Req Mon 30DA AVG C - No Discharge	78 - dS/m	02/30 - Twice Per Month GR - GRAB
00400 pH	1 - Effluent Gross	0	-												Req Mon DAILY MX 12 - SU C - No Discharge	01/30 - Monthly	GR - GRAB
00440 Bicarbonate Ion- [as HCO3]	1 - Effluent Gross	0	-												Req Mon DAILY MX 19 - mg/L C - No Discharge	02/30 - Twice Per Month GR - GRAB	
00530 Solids, total suspended	1 - Effluent Gross	0	-												Req Mon DAILY MX 19 - mg/L C - No Discharge	01/30 - Monthly	GR - GRAB
00918 Calcium, total recoverable	1 - Effluent Gross	0	-												Req Mon DAILY MX 19 - mg/L C - No Discharge	02/30 - Twice Per Month GR - GRAB	
00921 Magnesium, total recoverable	1 - Effluent Gross	0	-												Req Mon DAILY MX 19 - mg/L C - No Discharge	02/30 - Twice Per Month GR - GRAB	
00923 Sodium, total recoverable	1 - Effluent Gross	0	-												Req Mon DAILY MX 19 - mg/L C - No Discharge	02/30 - Twice Per Month GR - GRAB	
00931 Sodium adsorption ratio	EG - Effluent Gross	0	-												Req Mon DAILY MX 1U - Ratio C - No Discharge	02/30 - Twice Per Month CA - CALCTD	
00931 Sodium adsorption ratio	P - See Comments	0	-												Req Mon DAILY MX 1U - Ratio C - No Discharge	02/30 - Twice Per Month CA - CALCTD	
00940 Chloride [as Cl]	1 - Effluent Gross	0	-												Req Mon 30DA AVG C - No Discharge	19 - mg/L	02/30 - Twice Per Month GR - GRAB
00978 Arsenic, total recoverable	1 - Effluent Gross	0	-												Req Mon 30DA AVG C - No Discharge	28 - ug/L	02/30 - Twice Per Month GR - GRAB
00980 Iron, total recoverable	1 - Effluent Gross	0	-												Req Mon 30DA AVG C - No Discharge	28 - ug/L	01/30 - Monthly GR - GRAB

01046	Iron, dissolved [as Fe]	1 - Effluent Gross	0	--	Req Mon 30DA AVG C - No Discharge	20 - ug/L	02/30 - Twice Per Month GR - GRAB
01056	Manganese, dissolved [as Mn]	1 - Effluent Gross	0	--	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	--	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	--	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	--	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	--	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	--	Req Mon DAILY MX C - No Discharge	28 - ug/L	02/30 - Twice Per Month GR - GRAB
01306	Copper, potentially dissolved	1 - Effluent Gross	0	--	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	--	Req Mon DAILY MX C - No Discharge	28 - ug/L	02/30 - Twice Per Month GR - GRAB
01314	Chromium, trivalent, potentially dissolved	1 - Effluent Gross	0	--	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	--	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	--	Req Mon 30DA AVG C - No Discharge	28 - ug/L	02/30 - Twice Per Month GR - GRAB
01322	Nickel, potentially dissolved	1 - Effluent Gross	0	--	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	--	Req Mon DAILY MX C - No Discharge	28 - ug/L	02/30 - Twice Per Month GR - GRAB
03582	Oil and grease	1 - Effluent Gross	0	--	10.0 INST MAX C - No Discharge	19 - mg/L	7/7/77 - Contingent GR - GRAB
04282	Chromium, trivalent total recoverable	1 - Effluent Gross	0	--	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	--	0.004 30DA AVG C - No Discharge	Req Mon DAILY MX C - No Discharge	01/30 - Monthly IN - INSTAN
50286	Mercury, total [low level]	1 - Effluent Gross	0	--	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	--	Req Mon 30DA AVG C - No Discharge	19 - mg/L	02/30 - Twice Per Month GR - GRAB
81020	Sulfate	1 - Effluent Gross	0	--	Req Mon 30DA AVG C - No Discharge	19 - mg/L	02/30 - Twice Per Month GR - GRAB

[illegible]

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Permit #:	CO0000132	Permittee:	Oxbow Mining LLC	Facility:	SANBORN CRK & ELK CRK MINES
Major:	No	Permittee Address:	PO Box 535 Somerset, CO 81434-0535	Facility Location:	3737 HIGHWAY 133 SOMERSET, CO 81434
Permitted Feature:	012 External Outfall	Discharge:	012-Q Quarterly Monitoring for 012A		
Report Dates & Status:		DMR Due Date:	01/28/24	Status:	Not DMR Validated
Monitoring Period:	From 10/01/23 to 12/31/23				
Considerations for Form Completion:	Quarterly monitoring - see Appendix B, #34, pg 17.				
Principal Executive Officer:					
First Name:	MIKE	Title:	PRESIDENT	Telephone:	970-929-5122
Last Name:	LUDLOW				
No Data Indicator (NODI)					

70295	Solids, total dissolved	1 - Effluent Gross	0	--					Req Mon DAILY MX	19 - mg/L	01/290 - Quarterly	GR - GRAB
									C - No Discharge			

Submission Note

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Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

Oxbow Mining LLC

User:

GHGSMITHOXBOW

Name:

Douglas Smith

E-Mail:

doug.smith@oxbow.com

Date/Time:

2024-01-02 10:46 (Time Zone: -07:00)

Report Last Signed By

User:

GHGSMITHOXBOW

Name:

Douglas Smith

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Date/Time:

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Permit		Permit #: CO0000132		Permittee: Oxbow Mining LLC		Facility: SANBORN CRK & ELK CRK MINES	
Major:		No		Permit Address: PO Box 535 SOMERSET, CO 81434-0535		Facility Location: 3737 HIGHWAY 133 SOMERSET, CO 81434	
Permitted Feature:		012 External Outfall		Discharge:		012-X Chronic WET Testing for 012A	
Report Dates & Status		From 10/01/23 to 12/31/23		DMR Due Date: 01/28/24		Status: NotDMR Validated	
Monitoring Period:							
Considerations for Form Completion							
See I.D.1 for details of test procedure. Rpt NOEC using test code "S" Rpt IC25 using test code "P". Beginning 10-1-21, rpt highest number between "P" and "S" at "T" for each parameter. IWC=100%							
Principal Executive Officer							
First Name: MIKE		Title:		Telephone:			
Last Name: LUDLOW							
No Data Indicator (NODI)							
Form NOOI							
Parameter:		Monitoring Location:		Session & Permit NOOI:		Sample	
Code		Value		Session		Permit NOOI	

Code	Parameter	Monitoring Location	Session & Permit NOOI	Sample	Permit NOOI	Quantity or Loading	Quality or Concentration	Units	# of Ex. Frequency of Analysis	Sample Type
TKP3B	Static Renewal 7 Day Chronic Caridodaphnia dubia	P - See Comments	0	-	-	Req Mon SINGSAMP C - No Discharge	2G - tox chronic	01/90 - Quarterly	G3 - GRAB-3	
TKP3B	Static Renewal 7 Day Chronic Caridodaphnia dubia	S - See Comments	0	-	-	Req Mon MN VALUE C - No Discharge	2G - tox chronic	01/90 - Quarterly	G3 - GRAB-3	
TKP3B	Static Renewal 7 Day Chronic Caridodaphnia dubia	T - See Comments	0	-	-	Req Mon MN VALUE C - No Discharge	2G - tox chronic	01/90 - Quarterly	G3 - GRAB-3	
TKP6C	Static Renewal 7 Day Chronic Pimephales promelas	P - See Comments	0	-	-	Req Mon SINGSAMP C - No Discharge	2G - tox chronic	01/90 - Quarterly	G3 - GRAB-3	
TKP6C	Static Renewal 7 Day Chronic Pimephales promelas	S - See Comments	0	-	-	Req Mon MN VALUE C - No Discharge	2G - tox chronic	01/90 - Quarterly	G3 - GRAB-3	
TKP6C	Static Renewal 7 Day Chronic Pimephales promelas	T - See Comments	0	-	-	Req Mon MN VALUE C - No Discharge	2G - tox chronic	01/90 - Quarterly	G3 - GRAB-3	

Submission Note
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Edit Check Errors

No errors.

Comments

Attachments
No attachments

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