

DMR Copy of Record

Permit Permit #: CO0000132 Major: No		Permittee: Permittee Address: Discharge:		Oxbow Mining LLC PO Box 535 Somerset, CO 81434-0535 012-X Chronic WET Testing for 012A		Facility: Facility Location:		SANBORN CRK & ELK CRK MINES 3737 HIGHWAY 133 SOMERSET, CO 81434	
Permitted Feature: 012 External Outfall		DMR Due Date:		07/28/23		Status:		NetDMR Validated	
Report Dates & Status Monitoring Period: From 04/01/23 to 06/30/23									
Considerations for Form Completion See ID.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 Last Name: LUDLOW No Data Indicator (NODI)									
Form NODI: Title: PRESIDENT Telephone: 970-929-5122									
Code	Parameter Name	Monitoring Location	Season's Param. NODI	Sample Permit Req. Value NODI	Quantity or Loading Qualifier 1 Value 1 Qualifier 2 Value 2 Units Qualifier 3 Value 3	Quality or Concentration Qualifier 1 Value 1 Qualifier 2 Value 2 Qualifier 3 Value 3	Req Mon SINGSAMP C - No Discharge	Req Mon MN VALUE C - No Discharge	# of Ex. Frequency of Analysis Sample Type
TKP3B	Static Renewal 7 Day Chronic Caridodaphnia dubia	P - See Comments	0	-			2G - box chronic	0190 - Quarterly	G3 - GRAB-3
TKP3B	Static Renewal 7 Day Chronic Caridodaphnia dubia	S - See Comments	0	-			2G - box chronic	0190 - Quarterly	G3 - GRAB-3
TKP3B	Static Renewal 7 Day Chronic Caridodaphnia dubia	T - See Comments	0	-			2G - box chronic	0190 - Quarterly	G3 - GRAB-3
TKP3C	Static Renewal 7 Day Chronic Pinphales promelas	P - See Comments	0	-			2G - box chronic	0190 - Quarterly	G3 - GRAB-3
TKP3C	Static Renewal 7 Day Chronic Pinphales promelas	S - See Comments	0	-			2G - box chronic	0190 - Quarterly	G3 - GRAB-3
TKP3C	Static Renewal 7 Day Chronic Pinphales promelas	T - See Comments	0	-			2G - box chronic	0190 - Quarterly	G3 - GRAB-3

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: **Douglas Smith**
 E-Mail: **doug.smith@oxbow.com**
 Date/Time: **2023-07-03 09:34 (Time Zone: -06:00)**
 Report Last Signed By
 User:
 Name: **Douglas Smith**
 E-Mail: **doug.smith@oxbow.com**
 Date/Time: **2023-07-03 09:36 (Time Zone: -06:00)**

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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		Order Due Date:	07/28/23	Status:	NetDMR Validated
Monitoring Period:	From 04/01/23 to 06/30/23				
Considerations for Form Completion:	Quarterly monitoring - see Appendix B, #34, pg 17.				
Principal Executive Officer					
First Name:	MIKE	Title:	PRESIDENT	Telephone:	970-925-5122
Last Name:	LUDLOW				
No Data Indicator (NODI)					
Form NODI:					
Parameter Name:	Monitoring Location	Residue Param NODI	Quantity of Loading	Quantity or Concentration	Frequency of Analysis
Sample:	Permit Req.	Value NODI	Qualifier 1 Value 1 Qualifier 2 Value 2 Units Qualifier 1 Value 1 Qualifier 2 Value 2 Units	Qualifier 1 Value 1 Qualifier 2 Value 2 Units	Qualifier 1 Value 1 Qualifier 2 Value 2 Units
70295 Solids, total dissolved	1 - Effluent Gross	0		Req Mon 30DA AVG C - No Discharge	01/90 - Quarterly GR - GRAB

Submission Note

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Edit Check Errors

No errors.

Comments

Attachments

No attachments.

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Oxbow Mining LLC

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GHGSMITHOXBOW

Douglas Smith

doug.smith@oxbow.com

2023-07-03 09:34 (Time Zone: -06:00)

GHGSMITHOXBOW

Douglas Smith

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Permit	CO00001132	Permittee:	Oxbow Mining LLC	Facility:	SANBORN CRK & ELK CRK MINES
Permit #:	No	Permittee Address:	PO Box 535 Someraset, CO 81434-0535	Facility Location:	3737 HIGHWAY 133 SOMERSET, CO 81434
Major:		Discharge:	012-A Sediment Pond to Elk Creek		
Permitted Feature:	012 External Outfall				
Report Dates & Status		DMR Due Date:	07/28/23	Status:	NetDMR Validated
Monitoring Period:	From 06/01/23 to 06/30/23				
Considerations for Form Completion					
TSS & Total Recoverable from limits will be waived, and Settleable Solids Lmt 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				

Form NOD:												
Cnide	Parameter Name	Monitoring Location	Season & Param. HOD	Quantity as Loading			Quality of Concentration			# of Ex.	Frequency of Analysis	Sample Type
				Qualifier 1	Value 1	Units	Qualifier 1	Value 1	Qualifier 2			
00010	Temperature, water deg. centigrade	1 - Effluent Gross	0	-						Req Mon DAILY MX 04 - deg C C - No Discharge	9999 - Continuous RC - Recorder (auto)	
00094	Conductivity	1 - Effluent Gross	0	-						Req Mon 30DA AVG C - No Discharge	0230 - Twice Per Month GR - GRAB	
00400	pH	1 - Effluent Gross	0	-						6.5 MINIMUM C - No Discharge	0130 - Monthly GR - GRAB	
00440	Bicarbonate ion- [as HCO3]	1 - Effluent Gross	0	-						Req Mon 30DA AVG C - No Discharge	0230 - Twice Per Month GR - GRAB	
00530	Solids, total suspended	1 - Effluent Gross	0	-						30.0 30DA AVG C - No Discharge	0130 - Monthly GR - GRAB	
00918	Calcium, total recoverable	1 - Effluent Gross	0	-						Req Mon DAILY MX 19 - mg/L C - No Discharge	0230 - Twice Per Month GR - GRAB	
00921	Magnesium, total recoverable	1 - Effluent Gross	0	-						Req Mon DAILY MX 19 - mg/L C - No Discharge	0230 - Twice Per Month GR - GRAB	
00923	Sodium, total recoverable	1 - Effluent Gross	0	-						Req Mon DAILY MX 19 - mg/L C - No Discharge	0230 - Twice Per Month GR - GRAB	
00931	Sodium adsorption ratio	EG - Effluent Gross	0	-						Req Mon DAILY MX 1U - Ratio C - No Discharge	0230 - Twice Per Month CA - CALCTD	
00931	Sodium adsorption ratio	P - See Comments	0	-						Req Mon DAILY MX 1U - Ratio C - No Discharge	0230 - Twice Per Month CA - CALCTD	
00940	Chloride [as Cl]	1 - Effluent Gross	0	-						Req Mon 30DA AVG C - No Discharge	0230 - Twice Per Month GR - GRAB	
00978	Arsenic, total recoverable	1 - Effluent Gross	0	-						Req Mon 30DA AVG C - No Discharge	0230 - Twice Per Month GR - GRAB	
00980	Iron, total recoverable	1 - Effluent Gross	0	-						1000.0 30DA AVG C - No Discharge	0130 - Monthly GR - GRAB	

01046	Iron, dissolved [as Fe]	1 - Effluent Gross	0	-	Sample Permit Req. Value NOD	Req Mon 30DA AVG C - No Discharge	28 - ug/L	0230 - Twice Per Month GR - GRAB
01056	Manganese, dissolved [as Mn]	1 - Effluent Gross	0	-	Sample Permit Req. Value NOD	Req Mon 30DA AVG C - No Discharge	28 - ug/L	0230 - Twice Per Month GR - GRAB
01074	Nickel, total recoverable	1 - Effluent Gross	0	-	Sample Permit Req. Value NOD	Req Mon 30DA AVG C - No Discharge	28 - ug/L	0230 - Twice Per Month GR - GRAB
01113	Cadmium, total recoverable	1 - Effluent Gross	0	-	Sample Permit Req. Value NOD	Req Mon DAILY MX C - No Discharge	28 - ug/L	0230 - Twice Per Month GR - GRAB
01114	Lead, total recoverable	1 - Effluent Gross	0	-	Sample Permit Req. Value NOD	Req Mon DAILY MX C - No Discharge	28 - ug/L	0230 - Twice Per Month GR - GRAB
01118	Chromium, total recoverable	1 - Effluent Gross	0	-	Sample Permit Req. Value NOD	Req Mon DAILY MX C - No Discharge	28 - ug/L	0230 - Twice Per Month GR - GRAB
01303	Zinc, potentially dissolved	1 - Effluent Gross	0	-	Sample Permit Req. Value NOD	Req Mon DAILY MX C - No Discharge	28 - ug/L	0230 - Twice Per Month GR - GRAB
01306	Copper, potentially dissolved	1 - Effluent Gross	0	-	Sample Permit Req. Value NOD	Req Mon DAILY MX C - No Discharge	28 - ug/L	0230 - Twice Per Month GR - GRAB
01313	Cadmium, potentially dissolved	1 - Effluent Gross	0	-	Sample Permit Req. Value NOD	Req Mon DAILY MX C - No Discharge	28 - ug/L	0230 - Twice Per Month GR - GRAB
01314	Chromium, trivalent, potentially dissolved	1 - Effluent Gross	0	-	Sample Permit Req. Value NOD	Req Mon 30DA AVG C - No Discharge	28 - ug/L	0230 - Twice Per Month GR - GRAB
01318	Lead, potentially dissolved	1 - Effluent Gross	0	-	Sample Permit Req. Value NOD	Req Mon DAILY MX C - No Discharge	28 - ug/L	0230 - Twice Per Month GR - GRAB
01319	Manganese, potentially dissolved	1 - Effluent Gross	0	-	Sample Permit Req. Value NOD	Req Mon DAILY MX C - No Discharge	28 - ug/L	0230 - Twice Per Month GR - GRAB
01322	Nickel, potentially dissolved	1 - Effluent Gross	0	-	Sample Permit Req. Value NOD	Req Mon DAILY MX C - No Discharge	28 - ug/L	0230 - Twice Per Month GR - GRAB
01323	Selenium, potentially dissolved	1 - Effluent Gross	0	-	Sample Permit Req. Value NOD	Req Mon DAILY MX C - No Discharge	28 - ug/L	0230 - Twice Per Month GR - GRAB
03682	Oil and grease	1 - Effluent Gross	0	-	Sample Permit Req. Value NOD	10.0 INST MAX C - No Discharge	19 - mg/L	7777 - Contingent GR - GRAB
04262	Chromium, trivalent total recoverable	1 - Effluent Gross	0	-	Sample Permit Req. Value NOD	Req Mon DAILY MX C - No Discharge	28 - ug/L	0230 - 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	0130 - Monthly IN - INSTAN
50286	Mercury, total [low level]	1 - Effluent Gross	0	-	Sample Permit Req. Value NOD	Req Mon 30DA AVG C - No Discharge	28 - ug/L	0230 - Twice Per Month GR - GRAB
51202	Sulfide-hydrogen sulfide [undissociated]	1 - Effluent Gross	0	-	Sample Permit Req. Value NOD	Req Mon 30DA AVG C - No Discharge	19 - mg/L	0230 - Twice Per Month GR - GRAB
81020	Sulfate	1 - Effluent Gross	0	-	Sample Permit Req. Value NOD	Req Mon 30DA AVG C - No Discharge	19 - mg/L	0230 - Twice Per Month GR - GRAB

82057	Boron, total	1 - Effluent Gross	0	-			Req Mon 30DA AVG C - No Discharge	19 - mg/L	02/30 - Twice Per Month GR - GRAB	
84088	Oil and grease visual	1 - Effluent Gross	0	-			Req Mon INST MAX C - No Discharge	01/30 - Monthly	VI - VISUAL	

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:

2023-07-03 09:34 (Time Zone: -06:00)

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Permit		Permittee		Facility		Facility Location		SANBORN CRK & ELK CRK MINES			
Permit #: CO0000132		Major: No		PO Box 535		SOMERSET, CO 81434-0535		3737 HIGHWAY 133			
Permitted Feature: 009 External Outfall		Discharge:		009-Q		Quarterly Monitoring for 001A		SOMERSET, CO 81434			
Report Dates & Status		DMR Due Date: 07/28/23		Status:		NetDMR Validated					
Monitoring Period: From 04/01/23 to 06/30/23		Considerations for Form Completion		Quarterly monitoring - see Appendix B, #34, pg 17.							
Principal Executive Officer		Title:		PRESIDENT		Telephone:		970-929-5122			
First Name: MIKE		Last Name: LUDLOW									
No Data Indicator (NODI)											
Form NODI:											
Parameter Name		Monitoring Location Season # Permit NODI		Sample Permit Req. Value NODI		Quantity of Loading Qualifier 1 Value 1 Qualifier 2 Value 2 Qualifier 3 Value 3		Quality of Concentration Value 1 Value 2 Value 3		# of Ex. Frequency of Analysis Sample Type	
00940 Chloride [as Cl]		1 - Effluent Gross 0 -		Sample Permit Req. Value NODI		Reg Mon 30DA AVG C - No Discharge		19 - mg/L		01/90 - Quarterly GR - GRAB	
00978 Arsenic, total recoverable		1 - Effluent Gross 0 -		Sample Permit Req. Value NODI		Reg Mon 30DA AVG C - No Discharge		28 - ug/L		01/90 - Quarterly GR - GRAB	
01056 Manganese, dissolved [as Mn]		1 - Effluent Gross 0 -		Sample Permit Req. Value NODI		Reg Mon 30DA AVG C - No Discharge		28 - ug/L		01/90 - Quarterly GR - GRAB	
01074 Nickel, total recoverable		1 - Effluent Gross 0 -		Sample Permit Req. Value NODI		Reg Mon 30DA AVG C - No Discharge		28 - ug/L		01/90 - Quarterly GR - GRAB	
01114 Lead, total recoverable		1 - Effluent Gross 0 -		Sample Permit Req. Value NODI		Reg Mon DAILY MX C - No Discharge		28 - ug/L		01/90 - Quarterly GR - GRAB	
01118 Chromium, total recoverable		1 - Effluent Gross 0 -		Sample Permit Req. Value NODI		Reg Mon DAILY MX C - No Discharge		28 - ug/L		01/90 - Quarterly GR - GRAB	
01303 Zinc, potentially dissolved		1 - Effluent Gross 0 -		Sample Permit Req. Value NODI		Reg Mon DAILY MX C - No Discharge		28 - ug/L		01/90 - Quarterly GR - GRAB	
01308 Copper, potentially dissolved		1 - Effluent Gross 0 -		Sample Permit Req. Value NODI		Reg Mon DAILY MX C - No Discharge		28 - ug/L		01/90 - Quarterly GR - GRAB	
01314 Chromium, trivalent, potentially dissolved		1 - Effluent Gross 0 -		Sample Permit Req. Value NODI		Reg Mon 30DA AVG C - No Discharge		28 - ug/L		01/90 - Quarterly GR - GRAB	
01318 Lead, potentially dissolved		1 - Effluent Gross 0 -		Sample Permit Req. Value NODI		Reg Mon DAILY MX C - No Discharge		28 - ug/L		01/90 - Quarterly GR - GRAB	
01319 Manganese, potentially dissolved		1 - Effluent Gross 0 -		Sample Permit Req. Value NODI		Reg Mon DAILY MX C - No Discharge		28 - ug/L		01/90 - Quarterly GR - GRAB	
01322 Nickel, potentially dissolved		1 - Effluent Gross 0 -		Sample Permit Req. Value NODI		Reg Mon DAILY MX C - No Discharge		28 - ug/L		01/90 - Quarterly GR - GRAB	
01323 Selenium, potentially dissolved		1 - Effluent Gross 0 -		Sample Permit Req. Value NODI		Reg Mon DAILY MX C - No Discharge		28 - ug/L		01/90 - Quarterly GR - GRAB	

[illegible]

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Permit #: CO0000132 Major: (No)		Permittee: Oxbow Mining LLC Permittee Address: PO Box 535 Somerset, 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 06/01/23 to 06/30/23		DMR Due Date: 07/28/23		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 Last Name: LUDLOW		Title: PRESIDENT		Telephone: 970-929-5122	
Form NOD: No Data Indicator (NOD)					
Monitoring Location Season & Param. NOD:					
Code:		Qualifier 1	Value 1	Qualifier 2	Value 2
00400 pH		1 - Effluent Gross	0	Sample Permit Req. Value NOD	Sample Permit Req. Value NOD
00550 Solids, total suspended		1 - Effluent Gross	0	Sample Permit Req. Value NOD	Sample Permit Req. Value NOD
00980 Iron, total recoverable		1 - Effluent Gross	0	Sample Permit Req. Value NOD	Sample Permit Req. Value NOD
50050 Flow, in conduit or thru treatment plant		1 - Effluent Gross	0	Sample Permit Req. Value NOD	Sample Permit Req. Value NOD
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.					
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