

DMR Copy of Record

Permit

Permit #:	CO0000132	Permittee:	Oxbow Mining LLC	Facility:	SANBORN CRK & ELK CRK MINES
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-X Chronic WET Testing for 012A		
Report Dates & Status		DMR Due Date:	01/28/24	Status:	NetDMR Validated
Monitoring Period:	From 10/01/23 to 12/31/23				
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", Rpt highest number between "P" and "S" at "T" for each parameter. IWC=100%					
Principal Executive Officer					
First Name:	MIKE	Title:	PRESIDENT	Telephone:	970-929-5122
Last Name:	LUDLOW				
No Data Indicator (NODI)					

No Data Indicator (NODI)																
Form NODI:		Parameter Name		Monitoring Location		Reasons for Param. NODI		Quantity or Loading			Quality or Concentration		# of Ex. Frequency of Analysis		Sample Type	
Code								Qualifier 1 Value 1	Qualifier 2 Value 2	Qualifier 3 Value 3	Value 1	Value 2	Value 3	Units		
TKP3B	Static Renewal 7 Day Chronic Ceriodaphnia dubia	P - See Comments	0	-		Sample Permit Req. Value NODI					Req Mon SINGSAMP C - No Discharge			2G - tox chronic	01/90 - Quarterly	G3 - GRAB-3
TKP3B	Static Renewal 7 Day Chronic Ceriodaphnia dubia	S - See Comments	0	-		Sample Permit Req. Value NODI					Req Mon MN VALUE C - No Discharge			2G - tox chronic	01/90 - Quarterly	G3 - GRAB-3
TKP3B	Static Renewal 7 Day Chronic Ceriodaphnia dubia	T - See Comments	0	-		Sample Permit Req. Value NODI					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	-		Sample Permit Req. Value NODI					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	-		Sample Permit Req. Value NODI					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	-		Sample Permit Req. Value NODI					Req Mon MN VALUE C - No Discharge			2G - tox chronic	01/90 - 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:

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

E-Mail:

doug.smith@oxbow.com

Date/Time:

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

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:		012 External Outfall		Discharge:		012-Q Quarterly Monitoring for 012A					
Report Dates & Status:				DMR Due Date:		01/28/24		Status:		NetDMR 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									
Form NODI:		-									
No Data Indicator (NODI)											
Monitoring Location		Season #		Form NODI		Quantity of Loading		Quantity or Concentration		# of Ex Frequency of Analysis Sample Type	
Code		Name		Value		Qualifier 1 Value 1 Qualifier 2 Value 2 Units Qualifier 3 Value 3 Qualifier 4 Value 4 Qualifier 5 Value 5 Qualifier 6 Value 6 Qualifier 7 Value 7 Qualifier 8 Value 8 Qualifier 9 Value 9 Qualifier 10 Value 10		Qualifier 1 Value 1 Qualifier 2 Value 2 Units Qualifier 3 Value 3 Qualifier 4 Value 4 Qualifier 5 Value 5 Qualifier 6 Value 6 Qualifier 7 Value 7 Qualifier 8 Value 8 Qualifier 9 Value 9 Qualifier 10 Value 10		Qualifier 1 Value 1 Qualifier 2 Value 2 Units Qualifier 3 Value 3 Qualifier 4 Value 4 Qualifier 5 Value 5 Qualifier 6 Value 6 Qualifier 7 Value 7 Qualifier 8 Value 8 Qualifier 9 Value 9 Qualifier 10 Value 10	
70295 Solids, total dissolved		1 - Effluent Gross		0		-		Req Mon 30DA AVG C - No Discharge		Req Mon DAILY MX 19 - mg/L C - No Discharge	
GRAB										GR - GRAB	
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.											
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Permit #:

Major:

Permitted Feature:

Report Dates & Status

Monitoring Period:

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. Report calculated SAR at MLOC=EG; adjusted SAR at MLOC=P.

Principal Executive Officer

First Name:

Last Name:

No Data Indicator (NODI)

Form NODI:

CO00000132

No

012
External Outfall

From 12/01/23 to 12/31/23

MIKE
LUDLOW

--

Permittee:

Permittee Address:

Discharge:

DMR Due Date:

Title:

Telephone:

Oxbow Mining LLC

PO Box 535
Someraset, CO 81434-0535

012-A
Sediment Pond to Elk Creek

01/28/24

PRESIDENT

970-929-5122

SANBORN CRK & ELK CRK MINES

3737 HIGHWAY 133
SOMERSET, CO 81434

Code	Parameter Name	Monitoring Location	Session #	Param. NODI	Sample Permit Req. Value NODI	Qualifier 1	Value 1	Quantity or Labeling	Qualifier 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Quality or Concentration	Qualifier 3	Value 3	Units	# of Etc. Frequency of Analysis	Sample Type
00010	Temperature, water deg. centigrade	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI										Req Mon MX WK AVG C - No Discharge			9959 - Continuous	RC - Recorder (auto)	
00094	Conductivity	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI										Req Mon 30DA AVG C - No Discharge			0230 - Twice Per Month GR - GRAB		
00400	pH	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI	>=	6.5 MINIMUM	C - No Discharge	<=						3.0 MAXIMUM C - No Discharge			0130 - Monthly	GR - GRAB	
00440	Bicarbonate Ion: [as HCO3]	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI										Req Mon DAILY MX C - No Discharge			0230 - Twice Per Month GR - GRAB		
00530	Solids, total suspended	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI	<=									30.0 30DA AVG C - No Discharge			0130 - Monthly	GR - GRAB	
00918	Calcium, total recoverable	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI										Req Mon DAILY MX C - No Discharge			0230 - Twice Per Month GR - GRAB		
00921	Magnesium, total recoverable	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI										Req Mon DAILY MX C - No Discharge			0230 - Twice Per Month GR - GRAB		
00923	Sodium, total recoverable	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI										Req Mon DAILY MX C - No Discharge			0230 - Twice Per Month GR - GRAB		
00931	Sodium adsorption ratio	EG - Effluent Gross	0	-	Sample Permit Req. Value NODI										Req Mon DAILY MX C - No Discharge			0230 - Twice Per Month CA - CALCTD		
00931	Sodium adsorption ratio	P - See Comments	0	-	Sample Permit Req. Value NODI										Req Mon DAILY MX C - No Discharge			0230 - Twice Per Month CA - CALCTD		
00940	Chloride [as Cl]	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI										Req Mon 30DA AVG C - No Discharge			0230 - Twice Per Month GR - GRAB		
00978	Arsenic, total recoverable	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI										Req Mon 30DA AVG C - No Discharge			0230 - Twice Per Month GR - GRAB		
00980	Iron, total recoverable	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI	<=									1000.0 30DA AVG C - No Discharge			0130 - Monthly	GR - GRAB	

01046	Iron, dissolved [as Fe]	1 - Effluent Gross	0	-	Sample Permit Req Value HOD	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 HOD	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 HOD	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 HOD	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 HOD	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 HOD	Req Mon DAILY MX 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 HOD	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	-	Sample Permit Req Value HOD	Req Mon DAILY MX 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 HOD	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	-	Sample Permit Req Value HOD	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 HOD	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 HOD	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 HOD	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 HOD	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	-	Sample Permit Req Value HOD	10.0 INST MAX C - No Discharge	19 - mg/L	7/17/77 - Contingent GR - GRAB
04262	Chromium, trivalent total recoverable	1 - Effluent Gross	0	-	Sample Permit Req Value HOD	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 Value HOD	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 HOD	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 HOD	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 HOD	Req Mon 30DA AVG C - No Discharge	19 - mg/L	02/30 - Twice Per Month GR - GRAB

Permit	C00000132	Permittee:	Oxbow Mining LLC	Facility:	SANBORN CRK & ELK CRK MINES
Major:	No	Permittee Address:	PO Box 535 Somerseal, 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:	01/28/24	Status:	NetDMR 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 lmt 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 Codicim	Reason #	Sample Permit Req. Value NODI	Quantity or Loading		Quality or Concentration		# of Ex.		
					Value 1	Qualifier 1	Value 2	Qualifier 2	Units	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	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	01/30 - Monthly	GR - GRAB
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	-				Req Mon DAILY MX C - No Discharge	03 - MGD C - No Discharge	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:
GHGSMITHOXBOW
Douglas Smith
doug.smith@oxbow.com
2024-01-02 10:47 (Time Zone: -07:00)

E-Mail:

Date/Time:

Report Last Signed By

User:
GHGSMITHOXBOW
Douglas Smith
doug.smith@oxbow.com
2024-01-02 10:48 (Time Zone: -07:00)

Name:

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Date/Time:

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Permit #:	CO0000132	Permittee:	Oxbow Mining LLC	Facility:	SANBORN CRK & ELK CRK MINES
Major:	No	Permittee Address:	PO Box 535 Someset, CO 81434-0535	Facility Location:	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:	01/28/24	Status:	NetDMR Validated
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)					
Form NODI:					

Code	Parameter Name	Monitoring Location	Business Param. NODI	Quality at Location			Quality at Discharge			Ref Ed. Frequency of Analysis		
				Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units	Qualifier 4	Sample Type
00940	Chloride [as Cl]	1 - Effluent Gross	0				Req Mon 30DA AVG			19 - mg/L	01/90 - Quarterly	GR - GRAB
							C - No Discharge					
00978	Arsenic, total recoverable	1 - Effluent Gross	0				Req Mon 30DA AVG			28 - ug/L	01/90 - Quarterly	GR - GRAB
							C - No Discharge					
01058	Manganese, dissolved [as Mn]	1 - Effluent Gross	0				Req Mon 30DA AVG			28 - ug/L	01/90 - Quarterly	GR - GRAB
							C - No Discharge					
01074	Nickel, total recoverable	1 - Effluent Gross	0				Req Mon 30DA AVG			28 - ug/L	01/90 - Quarterly	GR - GRAB
							C - No Discharge					
01114	Lead, total recoverable	1 - Effluent Gross	0				Req Mon DAILY MX			28 - ug/L	01/90 - Quarterly	GR - GRAB
							C - No Discharge					
01118	Chromium, total recoverable	1 - Effluent Gross	0				Req Mon DAILY MX			28 - ug/L	01/90 - Quarterly	GR - GRAB
							C - No Discharge					
01303	Zinc, potentially dissolved	1 - Effluent Gross	0				Req Mon DAILY MX			28 - ug/L	01/90 - Quarterly	GR - GRAB
							C - No Discharge					
01306	Copper, potentially dissolved	1 - Effluent Gross	0				Req Mon DAILY MX			28 - ug/L	01/90 - Quarterly	GR - GRAB
							C - No Discharge					
01314	Chromium, trivalent, potentially dissolved	1 - Effluent Gross	0				Req Mon 30DA AVG			28 - ug/L	01/90 - Quarterly	GR - GRAB
							C - No Discharge					
01318	Lead, potentially dissolved	1 - Effluent Gross	0				Req Mon DAILY MX			28 - ug/L	01/90 - Quarterly	GR - GRAB
							C - No Discharge					
01319	Manganese, potentially dissolved	1 - Effluent Gross	0				Req Mon DAILY MX			28 - ug/L	01/90 - Quarterly	GR - GRAB
							C - No Discharge					
01322	Nickel, potentially dissolved	1 - Effluent Gross	0				Req Mon DAILY MX			28 - ug/L	01/90 - Quarterly	GR - GRAB
							C - No Discharge					
01323	Selenium, potentially dissolved	1 - Effluent Gross	0				Req Mon DAILY MX			28 - ug/L	01/90 - Quarterly	GR - GRAB
							C - No Discharge					

