

DMR Copy of Record

Permit	CO0000132	Permittee:	Oxbow Mining LLC	Facility:	SANBORN CRK & ELK CRK MINES
Permit #:	No	Permittee Address:	PO Box 535 Somerset, CO 81434-0535	Facility Location:	3727 HIGHWAY 133 SOMERSET, CO 81434
Major:		Discharge:			
Permitted Feature:	009 External Outfall				
Report Dates & Status	From 02/01/21 to 02/28/21	DMR Due Date:	03/28/21	Status:	NetDMR Validated
Monitoring Period:					
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	MIKE LUDLOW	Title:	PRESIDENT	Telephone:	970-929-5122
First Name:					
Last Name:					
No Data Indicator (NODI)					
Form NODI:	--	Monitoring Location Season # Param. NODI		Quantity or Loading	
Parameter	Code	Name	Qualifier 1	Value 1	Qualifier 1
			Qualifier 2	Value 2	Qualifier 2
			Units	Value 3	Units
00400 pH		1 - Effluent Gross 0 --		>= 6.5 MINIMUM	<= 9.0 MAXIMUM
				C - No Discharge	C - No Discharge
00530 Solids, total suspended		1 - Effluent Gross 0 --		<= 35.0 30DA AVG	<= 70.0 MX 7D AV
				C - No Discharge	C - No Discharge
00980 Iron, total recoverable		1 - Effluent Gross 0 --		<= 3000.0 30DA AVG	<= 6000.0 DAILY MX
				C - No Discharge	C - No Discharge
50050 Flow, in conduit or thru treatment plant		1 - Effluent Gross 0 --		<= 0.030 30DA AVG	<= 28 -ug/L
				C - No Discharge	C - No Discharge
					01/30 - Monthly
<i>Submission Note</i>	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.				
<i>Edit Check Errors</i>					
No errors.					
Comments					
Attachments					
No attachments.					
Report Last Saved By	GHGSMITHOXBOW				
Oxbow Mining LLC	Douglas Smith				
User:	E-Mail: doug.smith@oxbow.com				
Name:					
E-Mail:					
Date/Time:	2021-03-01 10:57 (Time Zone: -07:00)				
Report Last Signed By	GHGSMITHOXBOW				
User:	Douglas Smith				
Name:	E-Mail: doug.smith@oxbow.com				
E-Mail:					
Date/Time:	2021-03-01 10:58 (Time Zone: -07:00)				

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Permit #:	No	Permittee Address:	PO Box 535 Somerset, CO 81434-0535	Facility Location:	3737 HIGHWAY 133 SOMERSET, CO 81434																	
Major:		Discharge:																				
Permitted Feature:	012 External Outfall	Permit ID:	012A	Permit ID:																		
Report Dates & Status	From 02/01/21 to 02/28/21	DMR Due Date:	03/28/21	Status:	NetDMR Validated																	
Monitoring Period:		Title:	PRESIDENT	Telephone:	970-929-5122																	
Considerations for Form Completion	TSS & Total Recoverable Iron limits will be waived, and Settleable Solids Lmt applied for <=1yr/24hr precip event.. 30 day avg is highest monthly avg during period reported. Report calculated SAR at MLOC=EC, adjusted SAR at MLOC=P.																					
Principal Executive Officer	MIKE LUDLOW																					
First Name:																						
Last Name:																						
No Data Indicator (NODI)	-																					
Form NODI:																						
Parameter	Name	Monitoring Location	Session # Param: NODI	Quantity or Loading	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	# of Ex.	Frequency of Analysis	Sample Type
00094 Conductivity	1 - Effluent Gross	0	-	Sample	Permit Req. Value NODI					Req Mon 30DA AVG C - No Discharge					Req Mon 30DA AVG C - No Discharge					78 - dsim	02/30 - Twice Per Month	GR - GRAB
00440 pH	1 - Effluent Gross	0	-	Sample	Permit Req. Value NODI					Req Mon 30DA AVG C - No Discharge					Req Mon 30DA AVG C - No Discharge					12 - SU	01/30 - Monthly	GR - GRAB
00440 Bicarbonate Ion- [as HCO3]	1 - Effluent Gross	0	-	Sample	Permit Req. Value NODI					Req Mon 30DA AVG C - No Discharge					Req Mon 30DA AVG C - No Discharge					45.0 MAX 70 AV	02/30 - Twice Per Month	GR - GRAB
00530 Solids, total suspended	1 - Effluent Gross	0	-	Sample	Permit Req. Value NODI					Req Mon 30DA AVG C - No Discharge					Req Mon 30DA AVG C - No Discharge					19 - mg/L	01/30 - Monthly	GR - GRAB
00918 Calcium, total recoverable	1 - Effluent Gross	0	-	Sample	Permit Req. Value NODI					Req Mon 30DA AVG C - No Discharge					Req Mon 30DA AVG C - No Discharge					19 - mg/L	02/30 - Twice Per Month	GR - GRAB
00921 Magnesium, total recoverable	1 - Effluent Gross	0	-	Sample	Permit Req. Value NODI					Req Mon 30DA AVG C - No Discharge					Req Mon 30DA AVG C - No Discharge					19 - mg/L	02/30 - Twice Per Month	GR - GRAB
00923 Sodium, total recoverable	1 - Effluent Gross	0	-	Sample	Permit Req. Value NODI					Req Mon 30DA AVG C - No Discharge					Req Mon 30DA AVG C - No Discharge					19 - mg/L	02/30 - Twice Per Month	GR - GRAB
00931 Sodium adsorption ratio	EG - Effluent Gross	0	-	Sample	Permit Req. Value NODI					Req Mon 30DA AVG C - No Discharge					Req Mon 30DA AVG C - No Discharge					19 - mg/L	02/30 - Twice Per Month	CA - CALCTD
00931 Sodium adsorption ratio	P - See Comments	0	-	Sample	Permit Req. Value NODI					Req Mon 30DA AVG C - No Discharge					Req Mon 30DA AVG C - No Discharge					19 - mg/L	02/30 - 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					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	-	Sample	Permit Req. Value NODI					Req Mon 30DA AVG C - No Discharge					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	-	Sample	Permit Req. Value NODI					<=	3000.0 30DA AVG C - No Discharge					<=	3000.0 30DA AVG C - No Discharge			28 - ug/L	02/30 - Twice Per Month	GR - GRAB

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 30DA AVG C - No Discharge	Req Mon DAILY MX 28 - ug/L C - No Discharge	02/30 - Twice Per Month GR - GRAB
01114	Lanth. total recoverable	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI	Req Mon 30DA AVG C - No Discharge	Req Mon 30DA AVG C - No Discharge	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	Req Mon 30DA AVG C - No Discharge	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	Req Mon 30DA AVG C - No Discharge	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	Req Mon 30DA AVG C - No Discharge	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	Req Mon 30DA AVG C - No Discharge	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	Req Mon 30DA AVG C - No Discharge	02/30 - Twice Per Month GR - GRAB
01318	Lead, potentially dissolved	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI	Req Mon 30DA AVG C - No Discharge	Req Mon 30DA AVG C - No Discharge	02/30 - Twice Per Month GR - GRAB
01319	Manganese, potentially dissolved	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI	Req Mon 30DA AVG C - No Discharge	Req Mon 30DA AVG C - No Discharge	02/30 - Twice Per Month GR - GRAB
01322	Nickel, potentially dissolved	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI	Req Mon 30DA AVG C - No Discharge	Req Mon 30DA AVG C - No Discharge	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	<= 10.0 INST MAX C - No Discharge	02/30 - Twice Per Month GR - GRAB
04262	Chromium, trivalent total recoverable	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI	Req Mon 30DA AVG C - No Discharge	Req Mon 30DA AVG C - No Discharge	02/30 - Twice Per Month GR - GRAB
03582	Oil and grease	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI	0.004 30DA AVG C - No Discharge	19 - mg/L C - No Discharge	7777 - Contingent GR - GRAB
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	-	Sample Permit Req. <= Value NODI	Req Mon DAILY MX 03 - MGD C - No Discharge	<= 10.0 INST MAX 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 NOID	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 NOID	Req Mon INST MAX gp - NedY=1 C - 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: GHGSMITH-OXBOW
Name: Douglas Smith
E-Mail: doug.smith@oxbow.com
DateTime: 2021-03-01 10:58 (Time Zone: -07:00)

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