

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		Status:	NetDMR Validated
Monitoring Period:	From 07/01/20 to 07/31/20		
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
Last Name:	LUDLOW		
No Data Indicator (NODI)	--	Telephone:	970-929-5122

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	Value 2	Units	Qualifier 1	Value 1	Qualifier 2		Value 2	Units
00400	pH	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI										
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI										
00980	Iron, total recoverable	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI										
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI										

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: 2020-08-03 10:35 (Time Zone: -06:00)

Report Last Signed By

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Permit #: CO0000132	Permittee: Oxbow Mining LLC	Facility: SANBORN CRK & ELK CRK MINES
Major: No	Permittee Address: PO Box 535 Someraset, CO 81434-0535	Facility Location: 3737 HIGHWAY 133 SOMERSET, CO 81434
Permitted Feature: 012-A External Outfall	Discharge: 012-A Sediment Pond to Elk Creek	

Report Dates & Status	Status: NetDMR Validated
Monitoring Period: From 07/01/20 to 07/31/20	

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

Principal Executive Officer

First Name: MIKE	Title: PRESIDENT
Last Name: LUDLOW	Telephone: 970-929-5122

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	Value 2		
00094	Conductivity	1 - Effluent Gross	0	-	Sample	Permit Rec.	Value NODI	Req Mon 30DA AVG	7B - dS/m	02/20 - Twice Per Month GR - GRAB
00400	pH	1 - Effluent Gross	0	-	Sample	Permit Rec.	Value NODI	Req Mon 30DA AVG	12 - SU	01/20 - Monthly GR - GRAB
00440	Bicarbonate ion- [as HCO3]	1 - Effluent Gross	0	-	Sample	Permit Rec.	Value NODI	Req Mon 30DA AVG	19 - mg/L	02/20 - Twice Per Month GR - GRAB
00530	Solids, total suspended	1 - Effluent Gross	0	-	Sample	Permit Rec.	Value NODI	Req Mon 30DA AVG	19 - mg/L	01/20 - Monthly GR - GRAB
00918	Calcium, total recoverable	1 - Effluent Gross	0	-	Sample	Permit Rec.	Value NODI	Req Mon 30DA AVG	19 - mg/L	02/20 - Twice Per Month GR - GRAB
00921	Magnesium, total recoverable	1 - Effluent Gross	0	-	Sample	Permit Rec.	Value NODI	Req Mon 30DA AVG	19 - mg/L	02/20 - Twice Per Month GR - GRAB
00923	Sodium, total recoverable	1 - Effluent Gross	0	-	Sample	Permit Rec.	Value NODI	Req Mon 30DA AVG	19 - mg/L	02/20 - Twice Per Month GR - GRAB
00931	Sodium adsorption ratio	EG - Effluent Gross	0	-	Sample	Permit Rec.	Value NODI	Req Mon 30DA AVG	1U - Ratio	02/20 - Twice Per Month CA - CALCTD
00931	Sodium adsorption ratio	P - See Comments	0	-	Sample	Permit Rec.	Value NODI	Req Mon 30DA AVG	1U - Ratio	02/20 - Twice Per Month CA - CALCTD
00940	Chloride [as Cl]	1 - Effluent Gross	0	-	Sample	Permit Rec.	Value NODI	Req Mon 30DA AVG	19 - mg/L	02/20 - Twice Per Month GR - GRAB
00978	Arsenic, total recoverable	1 - Effluent Gross	0	-	Sample	Permit Rec.	Value NODI	Req Mon 30DA AVG	28 - ug/L	02/20 - Twice Per Month GR - GRAB
00980	Iron, total recoverable	1 - Effluent Gross	0	-	Sample	Permit Rec.	Value NODI	Req Mon 30DA AVG	28 - ug/L	02/20 - Twice Per Month GR - GRAB
01046	Iron, dissolved [as Fe]	1 - Effluent Gross	0	-	Sample	Permit Rec.	Value NODI	Req Mon 30DA AVG	28 - ug/L	02/20 - Twice Per Month GR - GRAB

01056	Manganese, dissolved [as Mn]	1 - Effluent Gross	0	-		Sample Permit Rec. Value NDI	Req Mon 30DA AVG C - No Discharge	28 - ug/L	02/20 - Twice Per Month GR - GRAB
01074	Nickel, total recoverable	1 - Effluent Gross	0	-		Sample Permit Rec. Value NDI	Req Mon 30DA AVG C - No Discharge	28 - ug/L	02/20 - Twice Per Month GR - GRAB
01113	Cadmium, total recoverable	1 - Effluent Gross	0	-		Sample Permit Rec. Value NDI	Req Mon DAILY MX C - No Discharge	28 - ug/L	02/20 - Twice Per Month GR - GRAB
01114	Lead, total recoverable	1 - Effluent Gross	0	-		Sample Permit Rec. Value NDI	Req Mon DAILY MX C - No Discharge	28 - ug/L	02/20 - Twice Per Month GR - GRAB
01118	Chromium, total recoverable	1 - Effluent Gross	0	-		Sample Permit Rec. Value NDI	Req Mon DAILY MX C - No Discharge	28 - ug/L	02/20 - Twice Per Month GR - GRAB
01303	Zinc, potentially dissolved	1 - Effluent Gross	0	-		Sample Permit Rec. Value NDI	Req Mon DAILY MX C - No Discharge	28 - ug/L	02/20 - Twice Per Month GR - GRAB
01306	Copper, potentially dissolved	1 - Effluent Gross	0	-		Sample Permit Rec. Value NDI	Req Mon DAILY MX C - No Discharge	28 - ug/L	02/20 - Twice Per Month GR - GRAB
01313	Cadmium, potentially dissolved	1 - Effluent Gross	0	-		Sample Permit Rec. Value NDI	Req Mon DAILY MX C - No Discharge	28 - ug/L	02/20 - Twice Per Month GR - GRAB
01314	Chromium, trivalent, potentially dissolved	1 - Effluent Gross	0	-		Sample Permit Rec. Value NDI	Req Mon DAILY MX C - No Discharge	28 - ug/L	02/20 - Twice Per Month GR - GRAB
01318	Lead, potentially dissolved	1 - Effluent Gross	0	-		Sample Permit Rec. Value NDI	Req Mon DAILY MX C - No Discharge	28 - ug/L	02/20 - Twice Per Month GR - GRAB
01319	Manganese, potentially dissolved	1 - Effluent Gross	0	-		Sample Permit Rec. Value NDI	Req Mon DAILY MX C - No Discharge	28 - ug/L	02/20 - Twice Per Month GR - GRAB
01322	Nickel, potentially dissolved	1 - Effluent Gross	0	-		Sample Permit Rec. Value NDI	Req Mon DAILY MX C - No Discharge	28 - ug/L	02/20 - Twice Per Month GR - GRAB
01323	Selenium, potentially dissolved	1 - Effluent Gross	0	-		Sample Permit Rec. Value NDI	Req Mon DAILY MX C - No Discharge	28 - ug/L	02/20 - Twice Per Month GR - GRAB
03562	Oil and grease	1 - Effluent Gross	0	-		Sample Permit Rec. Value NDI	10.0 INST MAX C - No Discharge	19 - mg/L	7/1/77 - Contingent GR - GRAB
04262	Chromium, trivalent total recoverable	1 - Effluent Gross	0	-		Sample Permit Rec. Value NDI	Req Mon DAILY MX C - No Discharge	28 - ug/L	02/20 - Twice Per Month GR - GRAB
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	-		Sample Permit Rec. <=	0.004 30DA AVG C - No Discharge		01/20 - Monthly IN - INSTAN
50266	Mercury, total [low level]	1 - Effluent Gross	0	-		Sample Permit Rec. Value NDI	Req Mon 30DA AVG C - No Discharge	28 - ug/L	02/20 - Twice Per Month GR - GRAB
51202	Sulfide-hydrogen sulfide [undissociated]	1 - Effluent Gross	0	-		Sample Permit Rec. Value NDI	Req Mon 30DA AVG C - No Discharge	19 - mg/L	02/20 - Twice Per Month GR - GRAB
81020	Sulfate	1 - Effluent Gross	0	-		Sample Permit Rec. Value NDI	Req Mon 30DA AVG C - No Discharge	19 - mg/L	02/20 - Twice Per Month GR - GRAB
82057	Boron, total	1 - Effluent Gross	0	-		Sample Permit Rec. Value NDI	Req Mon 30DA AVG C - No Discharge	19 - mg/L	02/20 - Twice Per Month GR - GRAB

84066	Oil and grease visual	1 - Effluent Gross	0	Req Mon INST MAX 9P - N=0,Y=1	01/20 - Monthly	VI - VISUAL
Sample Permit Req. Value NODI 0 - C - No Discharge						
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: 2020-08-03 10:34 (Time Zone: -06:00)						
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