

**DMR Copy of Record**

**Permit #:** CO0000132  
**Major:** No  
**Permitted Feature:** 009 External Outfall  
**Facility:** Oxbow Mining LLC  
 3737 HIGHWAY 133  
 SOMERSET, CO 81434  
**Discharge:** 009-A Surface Runoff to N Fork of Gunnison River  
**DMR Due Date:** 04/28/24  
**Status:** **NotDMR Validated**

**Report Dates & Status:** From 03/01/24 to 03/31/24  
**Monitoring Period:** From 03/01/24 to 03/31/24  
**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

Code	Parameter Name	Monitoring Location	Season	Param. NOD	Sample Permit Req. Value NOD	Sample Permit Req. Value NOD	Quality or Leaching	Value 1	Qualifier 1	Units	Qualifier 2	Value 2	Qualifier 3	Value 3	Units	# of Ex. Frequency of Analysis	Sample Type
00400	pH				1 - Effluent Gross	0			>=	6.5 MINIMUM			<=	8.0 MAXIMUM	12 - SU	01/30 - Monthly	GR - GRAB
																	C - No Discharge
00530	Solids, total suspended				1 - Effluent Gross	0			<=	35.0 30DA AVG			<=	70.0 MX 7D AV	19 - mg/L	01/30 - Monthly	GR - GRAB
																	C - No Discharge
00980	Iron, total recoverable				1 - Effluent Gross	0			<=	1000.0 30DA AVG			<=	6000.0 DAILY MX	28 - ug/L	01/30 - Monthly	GR - GRAB
																	C - No Discharge
50050	Flow, in conduit or thru treatment plant				1 - Effluent Gross	0				0.039 30DA AVG				Req Mon DAILY MX	03 - MGD	01/30 - Monthly	IN - INSTAN
																	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**  
 No attachments.

**Report Last Saved By**  
 Oxbow Mining LLC  
**User:** GHGSMITHOXBOW  
**Name:** Douglas Smith  
**E-Mail:** doug.smith@oxbow.com  
**Date/Time:** 2024-04-01 09:38 (Time Zone: -06:00)

**Report Last Signed By**  
**User:** GHGSMITHOXBOW  
**Name:** Douglas Smith  
**E-Mail:** doug.smith@oxbow.com  
**Date/Time:** 2024-04-01 09:39 (Time Zone: -06:00)



DMR Copy of Record

<b>Permit</b> Permit #: <b>CO0000132</b> Major No: <b>009</b> Permitted Feature: <b>External Outfall</b>		Permittee Oxbow Mining LLC PO Box 535 Somerset, CO 81434-0535 Discharge: <b>009-Q</b> Quarterly Monitoring for 001A		Facility: SANBORN CRK & ELK CRK MINES 3737 HIGHWAY 133 SOMERSET, CO 81434												
Report Dates & Status Monitoring Period: <b>From 01/01/24 to 03/31/24</b> Considerations for Form Completion Quarterly monitoring - see Appendix B, #34, pg 17.		DMR Due Date: <b>04/28/24</b> Status: <b>NetDMR Validated</b>		Telephone: <b>970-929-5122</b>												
Principal Executive Officer First Name: <b>MIKE</b> Last Name: <b>LUDLOW</b> No Data Indicator (NODI)		Title: <b>PRESIDENT</b>		# of Eff. Frequency of Analysis Sample Type												
Code	Parameter Units	Monitoring Location	Seasons	Param. NODI	Sample Permit Req. Value NODI	Quantity of Loading	Qualifier 1	Qualifier 2	Qualifier 3	Value 1	Value 2	Value 3	Units	# of Eff.	Frequency of Analysis	Sample Type
00940	Chloride [as Cl]	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI	Req 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	Req 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	Req 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	Req 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	Req 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	Req 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	Req Mon DAILY MX	C - No Discharge						28 - ug/L	01/90 - Quarterly	GR - GRAB	
01306	Copper, potentially dissolved	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI	Req 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	Req 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	Req 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	Req 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	Req 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	Req Mon DAILY MX	C - No Discharge						28 - ug/L	01/90 - Quarterly	GR - GRAB	

Sample Permit No	Value NDD	Sample Permit No	Value NDD	Req Mon DAILY MX	28 - ug/L	01/90 - Quarterly	GR - GRAB
04262	Chromium, trivalent total recoverable	1 - Effluent Gross	0				
50266	Mercury, total [low level]	1 - Effluent Gross	0		28 - ug/L	01/90 - Quarterly	GR - GRAB
51202	Sulfide-hydrogen sulfide [undissociated]	1 - Effluent Gross	0		19 - mg/L	01/90 - Quarterly	GR - GRAB
81020	Sulfate	1 - Effluent Gross	0		19 - mg/L	01/90 - Quarterly	GR - GRAB
82057	Boron, total	1 - Effluent Gross	0		19 - mg/L	01/90 - Quarterly	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**

No attachments.

**Report Last Saved By**

Oxbow Mining LLC

**User:**

GHGSMITHXBOW

**Name:**

Douglas Smith

**E-Mail:**

doug.smith@oxbow.com

**Date/Time:**

2024-04-01 09:37 (Time Zone: -06:00)

**Report Last Signed By**

User:

GHGSMITHXBOW

**Name:**

Douglas Smith

**E-Mail:**

doug.smith@oxbow.com

**Date/Time:**

2024-04-01 09:39 (Time Zone: -06:00)

DMR Copy of Record

Permit #: **C00000132** Permittee: **Oxbow Mining LLC** Facility: **SANBORN CRK & ELK CRK MINES**  
 Major: **012 External Outfall** Permit Address: **PO Box 535 Somers, CO 81434-0535** Facility Location: **3737 HIGHWAY 133 SOMERSET, CO 81434**  
 Discharge: **012-A Sediment Pond to Elk Creek** Status: **NetDMR Validated**

Report Dates & Status: **DMR Due Date: 04/28/24**  
 Monitoring Period: **From 03/01/24 to 03/31/24**  
 Considerations for Form Completion: **TSS & Total Recoverable Iron limits will be waived, and Settlesable 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: **MIKE LUDLOW** Title: **PRESIDENT** Telephone: **970-929-5122**

Code	Parameter Name	Monitoring Location	Station # Param. HOD	Sample Permit Req Value NOD	Sample Permit Req Value NOD	Sample Permit Req Value NOD	Quantity of Sampling Value 1	Quantity of Sampling Value 2	Quantity of Concentration Value 1	Quantity of Concentration Value 2	Units	Qualifier 1	Qualifier 2	Qualifier 3	Value 1	Value 2	Value 3	Units	# of Ex. Frequency of Analysis	Sample Type
00010	Temperature, water deg. centigrade	1 - Effluent Gross	0	-	-	-	Req Mon MX WK AV	Req Mon DAILY MX	04 - deg C	C - No Discharge	C - No Discharge								9999 - Continuous	RC - Recorder (auto)
00094	Conductivity	1 - Effluent Gross	0	-	-	-	Req Mon 30DA AVG	Req Mon DAILY MX	7B - dSm	C - No Discharge									02/30 - Twice Per Month	GR - GRAB
00400	pH	1 - Effluent Gross	0	-	-	-	Req Mon 30DA AVG	Req Mon DAILY MX	12 - SU	6.5 MINIMUM	>=	<=							01/30 - Monthly	GR - GRAB
00440	Bicarbonate ion- [as HCO3]	1 - Effluent Gross	0	-	-	-	Req Mon 30DA AVG	Req Mon DAILY MX	19 - mg/L	C - No Discharge									02/30 - Twice Per Month	GR - GRAB
00520	Solids, total suspended	1 - Effluent Gross	0	-	-	-	Req Mon 30DA AVG	Req Mon DAILY MX	19 - mg/L	45.0 MX 7D AV	<=								01/30 - Monthly	GR - GRAB
00918	Calcium, total recoverable	1 - Effluent Gross	0	-	-	-	Req Mon 30DA AVG	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 30DA AVG	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 30DA AVG	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 30DA AVG	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 30DA AVG	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	Req Mon DAILY MX	19 - mg/L	C - No Discharge									02/30 - Twice Per Month	GR - GRAB
00978	Arsenic, total recoverable	1 - Effluent Gross	0	-	-	-	Req Mon 30DA AVG	Req Mon DAILY MX	28 - ug/L	C - No Discharge									02/30 - Twice Per Month	GR - GRAB
00980	Iron, total recoverable	1 - Effluent Gross	0	-	-	-	Req Mon 30DA AVG	Req Mon DAILY MX	28 - ug/L	1000.0 30DA AVG	<=								01/30 - Monthly	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	02200 - 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	02200 - 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	02200 - Twice Per Month GR - GRAB
01113	Cadmium, total recoverable	1 - Effluent Gross	0	--	Sample Permit Req Value NODI	Req Mon DAILY MX C - No Discharge	28 - ug/L	02200 - Twice Per Month GR - GRAB
01114	Lead, total recoverable	1 - Effluent Gross	0	--	Sample Permit Req Value NODI	Req Mon DAILY MX C - No Discharge	28 - ug/L	02200 - 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	28 - ug/L	02200 - 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	28 - ug/L	02200 - 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	28 - ug/L	02200 - 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	28 - ug/L	02200 - 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	28 - ug/L	02200 - Twice Per Month GR - GRAB
01318	Lead, potentially dissolved	1 - Effluent Gross	0	--	Sample Permit Req Value NODI	Req Mon DAILY MX C - No Discharge	28 - ug/L	02200 - Twice Per Month GR - GRAB
01319	Manganese, potentially dissolved	1 - Effluent Gross	0	--	Sample Permit Req Value NODI	Req Mon DAILY MX C - No Discharge	28 - ug/L	02200 - Twice Per Month GR - GRAB
01322	Nickel, potentially dissolved	1 - Effluent Gross	0	--	Sample Permit Req Value NODI	Req Mon DAILY MX C - No Discharge	28 - ug/L	02200 - Twice Per Month GR - GRAB
01323	Selenium, potentially dissolved	1 - Effluent Gross	0	--	Sample Permit Req Value NODI	Req Mon DAILY MX C - No Discharge	28 - ug/L	02200 - Twice Per Month GR - GRAB
03562	Oil and grease	1 - Effluent Gross	0	--	Sample Permit Req Value NODI	Req Mon DAILY MX C - No Discharge	19 - mg/L	71777 - Contingent GR - GRAB
04262	Chromium, trivalent total recoverable	1 - Effluent Gross	0	--	Sample Permit Req Value NODI	Req Mon DAILY MX C - No Discharge	28 - ug/L	02200 - Twice Per Month GR - GRAB
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample Permit Req Value NODI	Req Mon DAILY MX C - No Discharge	28 - ug/L	02200 - Twice Per Month GR - GRAB
50286	Mercury, total [low level]	1 - Effluent Gross	0	--	Sample Permit Req Value NODI	Req Mon 30DA AVG C - No Discharge	28 - ug/L	02200 - 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	02200 - 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	02200 - Twice Per Month GR - GRAB

82057	Baron, total	1 - Effluent Gross	0	--	Sample Permit Req Value WQDA	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 BOD5	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:**

2024-04-01 09:37 (Time Zone: -06:00)

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**Name:**

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doug.smith@oxbow.com

**Date/Time:**

2024-04-01 09:39 (Time Zone: -06:00)









**DMR Copy of Record**

**Permit #:** CO0000132  
**Major:** No  
**Permitted Feature:** 012 External Outfall  
**Report Dates & Status:** From 01/01/24 to 03/31/24  
**Monitoring Period:** From 01/01/24 to 03/31/24  
**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:** MIKE LUDLOW  
**First Name:** MIKE  
**Last Name:** LUDLOW  
**No Data Indicator (NODI):** -  
**Form NODI:** -

**Permittee:** Oxbow Mining LLC  
**Permittee Address:** PO Box 535  
 Somerset, CO 81434-0535  
**Discharge:** 012-X  
 Chronic WET Testing for 012A  
**DMR Due Date:** 04/28/24  
**Status:** NetDMR Validated

**Municipality Location:** SANBORN CRK & ELK CRK MINES  
**Facility Location:** 3737 HIGHWAY 133  
 SOMERSET, CO 81434

**Title:** PRESIDENT  
**Telephone:** 970-925-5122

Code	Parameter Name	Multiplying Location	Reason # Param. NODI	Sample Period Req. Value NODI	Quantity or Loading	Qualifier 1	Qualifier 2	Qualifier 3	Value 1	Quantity or Concentration	Value 2	Qualifier 1	Units	# of Ex.	Frequency of Analysis	Sample Type
TKP3B	Static Renewal 7 Day Chronic Ceriodaphnia dubia	P - See Comments	0	--	Req Mon SINGSAMP	2G - tox chronic									01/90 - Quarterly	G3 - GRAB-3
TKP3B	Static Renewal 7 Day Chronic Ceriodaphnia dubia	S - See Comments	0	--	Req Mon MN VALUE	2G - tox chronic									01/90 - Quarterly	G3 - GRAB-3
TKP3B	Static Renewal 7 Day Chronic Ceriodaphnia dubia	T - See Comments	0	--	Req Mon MN VALUE	2G - tox chronic									01/90 - Quarterly	G3 - GRAB-3
TKP6C	Static Renewal 7 Day Chronic Pimephales promelas	P - See Comments	0	--	Req Mon SINGSAMP	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	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	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:** 2024-04-01 09:35 (Time Zone: -06:00)

**Report Last Signed By**

**User:** GHGSMITHOXBOW  
**Name:** Douglas Smith  
**E-Mail:** doug.smith@oxbow.com  
**Date/Time:** 2024-04-01 09:39 (Time Zone: -06:00)

