



STATE OF  
COLORADO

Simmons - DNR, Leigh <leigh.simmons@state.co.us>

---

## NetDMR COR Submission for: CO0000132

1 message

---

**Doug Smith** <Doug.Smith@oxbow.com>  
To: "leigh.simmons@state.co.us" <leigh.simmons@state.co.us>  
Cc: Mike Ludlow <Mike.Ludlow@oxbow.com>

Wed, Sep 4, 2019 at 11:59 AM

Leigh,

Please find, for your records, the attached copy of the Sanborn & Elk Creek Mine Discharge Monitoring Reports that were submitted for the month of August 2019. (There was no discharge) Oxbow has submitted these to the CDPHE electronically. No hard copy will follow, but copies will be made and kept with the Elk Creek Mine Records.

Per your request, all DMR's have been scanned and are attached.

Any questions or concerns, please contact me.

Doug Smith

(970)929-6034



**20190901 August DMR's to CDRMS.pdf**  
4041K

# DMR Copy of Record

Permit #:	CO0000132	Permittee:	Oxbow Mining LLC	Facility:	SANBORN CRK & ELK CRK MINES
Major:	No	Permittee Address:	PO Box 535 Somerse, CO 81434-0535	Facility Location:	3737 HIGHWAY 133 SOMERSET, CO 81434
Permitted Feature:	007 External Outfall	Discharge:	007-A SEDIMENT POND TO HUBBARD CREEK		

Report Dates & Status	Monitoring Period:	DMR Due Date:	Status:
	From 08/01/19 to 08/31/19	09/28/19	NetDMR Validated

TSS & TOTAL IRON LIMITS WILL BE WAIVED, AND SETTLEABLE SOLIDS LIMIT MAY BE WAIVED FOR <=10YR.24HR PRECIP EVENT. SETTLEABLE SOLIDS LIMIT MAY BE WAIVED FOR >10YR.24HR EVENT-SEE I.A.1, P.P. 4-5, AND I.A.2, P. 5 FOR RQMNTS.TDS MONITORING-SEE PART V.I.A.2.G OF RATIONALE. 30 DAY AVG. IS HIGHEST MONTHLY AVG. DURING PERIOD REPRTD.

## Principal Executive Officer

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

## No Data Indicator (NODI)

Code	Parameter Name	Monitoring Location	Season	Param. NODI	Qualifier 1	Value 1	Quantity or Loading	Qualifier 2	Value 2	Units	Qualifier 3	Value 3	Units	# of Ex.	Frequency of Analysis	Sample Type
00400 pH		1 - Effluent Gross	0	-												
		1 - Effluent Gross	0	-												
00530 Solids, total suspended		1 - Effluent Gross	0	-												
		1 - Effluent Gross	0	-												
00545 Solids, settleable		1 - Effluent Gross	0	-												
		1 - Effluent Gross	0	-												
01045 Iron, total [as Fe]		1 - Effluent Gross	0	-												
		1 - Effluent Gross	0	-												
03592 Oil and grease		1 - Effluent Gross	0	-												
		1 - Effluent Gross	0	-												
50050 Flow, in conduit or thru treatment plant		1 - Effluent Gross	0	-												
		1 - Effluent Gross	0	-												
84006 Oil and grease visual		1 - Effluent Gross	0	-												

## 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: 2019-09-04 10:33 (Time Zone: -06:00)

## Report Last Signed By

User: GHGSMITHOXBOW  
Name: Douglas Smith  
E-Mail: doug.smith@oxbow.com  
Date/Time: 2019-09-04 10:34 (Time Zone: -06:00)



# DMR Copy of Record

Permit #:	CO0000132	Permittee:	Oxbow Mining LLC	Facility:	SANBORN CRK & ELK CRK MINES
Major:	No	Permittee Address:	PO Box 535 Somerst, CO 81434-0535	Facility Location:	3737 HIGHWAY 133 SOMERSET, CO 81434
Permitted Feature:	009 External Outfall	Discharge:	009-A SURF RUNOFF TO N FK GUNIS RIVR		

Report Dates & Status	Monitoring Period:	DMR Due Date:	Status:
	From 08/01/19 to 08/31/19	09/28/19	NetDMR Validated

TSS & TOTAL IRON LIMITS WILL BE WAIVED, AND SETTLEABLE SOLIDS LIMIT APPLIED FOR <=10YR.24HR PRECIP EVENT; SETTLEABLE SOLIDS LIMIT MAY BE WAIVED FOR >10YR.24HR EVENT-SEE I.A.1.PP 4-5, AND I.A.2. P. 5 FOR RQMNTS.TDS MONITORING-SEE PART V.I.A.2.5 OF RATIONALE. 30 DAY AVG. IF HIGHEST MONTHLY AVG. DURING PERIOD REPRTD.

Principal Executive Officer

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

No Data Indicator (NODI)

Code	Parameter Name	Monitoring Location	Season	Param. NODI	Qualifier 1	Value 1	Quantity or Loading	Qualifier 2	Value 2	Units	Qualifier 3	Value 3	Units	# of Ex.	Frequency of Analysis	Sample Type
00400	pH	1 - Effluent Gross	0	--	Sample	Permit Req.										IS - INSITU
					Value NODI											
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	Permit Req.										GR - GRAB
					Value NODI											
00545	Solids, settleable	1 - Effluent Gross	0	--	Sample	Permit Req.										GR - GRAB
					Value NODI											
01045	Iron, total [see Fe]	1 - Effluent Gross	0	--	Sample	Permit Req.										GR - GRAB
					Value NODI											
03582	Oil and grease	1 - Effluent Gross	0	--	Sample	Permit Req.										GR - GRAB
					Value NODI											
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	Permit Req.										GR - GRAB
					Value NODI											
84050	Oil and grease visual	1 - Effluent Gross	0	--	Sample	Permit Req.										VI - VISUAL
					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:

Name:

E-Mail:

Date/Time:

Report Last Signed By

User:

Name:

E-Mail:

Date/Time:



# DMR Copy of Record

**Permit**  
 Permit #: CO0000132  
 Major: No  
 Permitted Feature: 010- External Outfall

**Permittee:** Oxbow Mining LLC  
**Permittee Address:** PO Box 535  
 Somerset, CO 81434-0535  
**Discharge:** 010-A  
 SEDIMENT POND TO SANBORN CREEK

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

**Report Dates & Status**  
 Monitoring Period: From 08/01/19 to 08/31/19  
 DMR Due Date: 09/28/19  
 Status: NetDMR Validated

TSS & TOTAL IRON LIMITS WILL BE WAIVED, AND SETTLEABLE SOLIDS LIMIT APPLIED FOR <=10YR.24HR PRECIP EVENT;SETTLEABLE SOLIDS LIMIT MAY BE WAIVED FOR >10YR.24HR EVENT-SEE I.A.1.PP 4-5, AND I.A.2, P. 5 FOR RQMNITS.TDS  
 MONITORING-SEE PART VI.A.2.G OF RATIONALE. 30 DAY AVG. IS HIGHEST MONTHLY AVG. DURING PERIOD REPRTD.

**Principal Executive Officer**  
 First Name: MIKE  
 Last Name: LUDLOW  
 Title: PRESIDENT  
 Telephone: 970-929-5122

**No Data Indicator (NODI)**

Code	Parameter Name	Monitoring Location	Season & Param. NODI	Quantity or Loading		Quality or Concentration		Units		# of Ex. Frequency of Analysis		Sample Type
				Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Qualifier 4	Value 4	
00400 pH	1 - Effluent Gross	0	--	Sample	Permit Req.	Value NODI						IS - INSTTU
00530 Solids, total suspended	1 - Effluent Gross	0	--	Sample	Permit Req.	Value NODI						GR - GRAB
00540 Solids, settleable	1 - Effluent Gross	0	--	Sample	Permit Req.	Value NODI						GR - GRAB
01040 Iron, total [as Fe]	1 - Effluent Gross	0	--	Sample	Permit Req.	Value NODI						GR - GRAB
03592 Oil and grease	1 - Effluent Gross	0	--	Sample	Permit Req.	Value NODI						GR - GRAB
50050 Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	Permit Req.	Value NODI						GR - GRAB
84060 Oil and grease visual	1 - Effluent Gross	0	--	Sample	Permit Req.	Value NODI						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: GHGSMITHOXBOW  
 Name: Douglas Smith  
 E-Mail: doug.smith@oxbow.com  
 Date/Time: 2019-09-04 10:32 (Time Zone: -06:00)

**Report Last Signed By**

User: GHGSMITHOXBOW  
 Name: Douglas Smith  
 E-Mail: doug.smith@oxbow.com  
 Date/Time: 2019-09-04 10:34 (Time Zone: -06:00)



# DMR Copy of Record

<b>Permit</b>	Permit #: CO0000132	Permittee:	Oxbow Mining LLC	Facility:	SANBORN CRK & ELK CRK MINES
<b>Major:</b>	No	Permittee Address:	PO Box 535 Somerset, CO 81434-0535	Facility Location:	3737 HIGHWAY 133 SOMERSET, CO 81434
<b>Permitted Feature:</b>	012 External Outfall	Discharge:	012-A SEDIMENT POND TO ELK CREEK		
<b>Report Dates &amp; Status</b>					
<b>Monitoring Period:</b>	From 08/01/19 to 08/31/19	DMR Due Date:	09/28/19	Status:	NetDMR Validated

*Considerations for Form Completion*  
TSS & TOTAL IRON LIMITS WILL BE WAIVED, AND SETTLEABLE SOLIDS LIMIT APPLIED FOR <=10YR 24HR PRECIP EVENT; SETTLEABLE SOLIDS LIMIT MAY BE WAIVED FOR >10YR 24HR EVENT-SEE I.A.1.PP 4-5, AND I.A.2. P. 5 FOR RQMTS.TDS  
MONITORING-SEE PART VI.A.2.G OF RATIONALE. 30 DAY AVG. IS HIGHEST MONTHLY AVG. DURING PERIOD REPRTD.

**Principal Executive Officer**

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

Form NODI:																			
Parameter		Monitoring Location		Season #	Param. NODI	Quantity or Loading				Quality or Concentration		# of Ex. Frequency of Analysis		Sample Type					
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units		
00400	pH	1 - Effluent Gross	0	-		Sample					>=	6.5 MINIMUM				9 MAXIMUM	12 - SU	01/30 - Monthly	IS - INSITU
						Permit Req. Value NODI						C - No Discharge				C - No Discharge			
00530	Solids, total suspended	1 - Effluent Gross	0	-		Sample										70 DAILY MX	19 - mg/L	01/30 - Monthly	GR - GRAB
						Permit Req. Value NODI										C - No Discharge			
00545	Solids, settleable	1 - Effluent Gross	0	-		Sample										Req Mon 30DA AVG			
						Permit Req. Value NODI										C - No Discharge			
01045	Iron, total [as Fe]	1 - Effluent Gross	0	-		Sample										Req Mon DAILY MX 25 - mL	25 - mL	01/30 - Monthly	GR - GRAB
						Permit Req. Value NODI										C - No Discharge			
03592	Oil and grease	1 - Effluent Gross	0	-		Sample										3000 30DA AVG	28 - ug/L	01/30 - Monthly	GR - GRAB
						Permit Req. Value NODI										C - No Discharge			
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	-		Sample										10 INST MAX	19 - mg/L	7/7/77 - Contingent	GR - GRAB
						Permit Req. Value NODI										C - No Discharge			
84066	Oil and grease visual	1 - Effluent Gross	0	-		Sample										Req Mon DAILY MX 03 - MGD		01/30 - Monthly	IN - INSTAN
						Permit Req. Value NODI										C - No Discharge			
						Permit Req. Value NODI										Req Mon INST MAX 8P - N=0,Y=1			VI - VISUAL
						Permit Req. Value NODI										C - No Discharge		01/30 - Monthly	

**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**

**Comments**

**Attachments**

**Report Last Saved By**

**Oxbow Mining LLC**

User: GHGSMITH-HOXBOW

Name: Douglas Smith

E-Mail: doug.smith@oxbow.com

Date/Time: 2019-09-04 10:34 (Time Zone: -06:00)

**Report Last Signed By**

User: GHGSMITH-HOXBOW

Name: Douglas Smith

E-Mail: doug.smith@oxbow.com

Date/Time: 2019-09-04 10:34 (Time Zone: -06:00)



# DMR Copy of Record

<b>Permit #:</b> CO0000132	<b>Permittee:</b> Oxbow Mining LLC	<b>Facility:</b> SANBORN CRK & ELK CRK MINES
<b>Major:</b> No	<b>Permittee Address:</b> PO Box 535 Somerset, CO 81434-0535	<b>Facility Location:</b> 3737 HIGHWAY 133 SOMERSET, CO 81434
<b>Permitted Feature:</b> 013 External Outfall	<b>Discharge:</b> 013-A RUNOFF TO N FORK GUNNISON R.	

<b>Report Dates &amp; Status</b>	<b>DMR Due Date:</b> 09/28/19	<b>Status:</b> NetDMR Validated
<b>Monitoring Period:</b> From 08/01/19 to 08/31/19		

CONSIDERATIONS FOR FORM COMPLETION  
TSS & TOTAL IRON LIMITS WILL BE WAIVED, AND SETTLEABLE SOLIDS LIMIT APPLIED FOR <=10YR 24HR PRECIP EVENT; SETTLEABLE SOLIDS LIMIT MAY BE WAIVED FOR >10YR 24HR EVENT-SEE I.A.1, PP 4-5, AND I.A.2, P. 5 FOR RQMNTS.TDS  
MONITORING-SEE PART VI.A.2.G OF RATIONALE. 30 DAY AVG. IS HIGHEST MONTHLY AVG. DURING PERIOD REPRTD.

## Principal Executive Officer

<b>First Name:</b> MIKE	<b>Title:</b> PRESIDENT	<b>Telephone:</b> 970-929-5122
<b>Last Name:</b> LUDLOW		

## Form NODI:

Code	Parameter Name	Monitoring Location	Season	Param. NODI	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
00400 pH		1 - Effluent Gross	0	--													
		1 - Effluent Gross	0	--													
00530 Solids, total suspended		1 - Effluent Gross	0	--													
		1 - Effluent Gross	0	--													
00545 Solids, settleable		1 - Effluent Gross	0	--													
		1 - Effluent Gross	0	--													
01045 Ion, total [as Fe]		1 - Effluent Gross	0	--													
		1 - Effluent Gross	0	--													
03582 Oil and grease		1 - Effluent Gross	0	--													
		1 - Effluent Gross	0	--													
50050 Flow, in conduit or thru treatment plant		1 - Effluent Gross	0	--													
		1 - Effluent Gross	0	--													
84086 Oil and grease visual		1 - Effluent Gross	0	--													

## 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: 2019-09-04 10:31 (Time Zone: -06:00)

## Report Last Signed By

User: GHGSMITHOXBOW  
Name: Douglas Smith  
E-Mail: doug.smith@oxbow.com  
Date/Time: 2019-09-04 10:34 (Time Zone: -06:00)



# 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:	014 External Outfall	Discharge:	014-A SURF RUNOFF TO N FK GUNNISON R		

Report Dates & Status	Monitoring Period:	DMR Due Date:	Status:
	From 08/01/19 to 08/31/19	09/28/19	NetDMR Validated

Considerations for Form Completion  
TSS & TOTAL IRON LIMITS WILL BE WAIVED, AND SETTLEABLE SOLIDS LIMIT APPLIED FOR <=10YR 24HR PRECIP EVENT; SETTLEABLE SOLIDS LIMIT MAY BE WAIVED FOR >10YR 24HR EVENT-SEE I.A.1.PP 4-5, AND I.A.2. P. 5 FOR RQMNTS.TDS  
MONITORING-SEE PART VIA.2.G OF RATIONALE. 30 DAY AVG. IS HIGHEST MONTHLY AVG. DURING PERIOD REPRTD.

## Principal Executive Officer

First Name:	MIKE	Title:	PRESIDENT
Last Name:	LUDLOW	Telephone:	970-925-5122

## Form NODI:

Parameter Name	Monitoring Location	Season	Param. NODI	Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Value 3	Units	# of Ex. Frequency of Analysis	Sample Type
00400 pH	1 - Effluent Gross	0	-	Sample												
				Permit Req.												
				Value NODI												
00530 Solids, total suspended	1 - Effluent Gross	0	-	Sample												
				Permit Req.												
				Value NODI												
00545 Solids, settleable	1 - Effluent Gross	0	-	Sample												
				Permit Req.												
				Value NODI												
01045 Iron, total [as Fe]	1 - Effluent Gross	0	-	Sample												
				Permit Req.												
				Value NODI												
03592 Oil and grease	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												
84066 Oil and grease visual	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: GHGSMITH-BOXBOW

Name: Douglas Smith

E-Mail: doug.smith@oxbow.com

Date/Time: 2019-09-04 10:30 (Time Zone: -06:00)

## Report Last Signed By

User: GHGSMITH-BOXBOW

Name: Douglas Smith

E-Mail: doug.smith@oxbow.com

Date/Time: 2019-09-04 10:34 (Time Zone: -06:00)



# DMR Copy of Record

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:	015 External Outfall	Discharge:	015-A DISCHARGE TO ELK CREEK		

Report Dates & Status		Status:	NetDMR Validated
Monitoring Period:	From 08/01/19 to 08/31/19	DMR Due Date:	09/28/19
30 DAY AVERAGE IS HIGHEST MONTHLY AVERAGE DURING PERIOD REPORTED. OIL & GREASE - SEE I.B.I.D.			

Principal Executive Officer		Title:	PRESIDENT
First Name:	MIKE	Telephone:	970-925-5122
Last Name:	LUDLOW		

No Data Indicator (NODI)

Form NODI:

Code	Parameter Name	Monitoring Location	Season #	Param. NODI	Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units	# of Ex.	Frequency of Analysis	Sample Type
00400 pH		1 - Effluent Gross	0	--	Sample														
					Permit Req.														
					Value NODI														
00530 Solids, total suspended		1 - Effluent Gross	0	--	Sample														
					Permit Req.														
					Value NODI														
01045 Iron, total [as Fe]		1 - Effluent Gross	0	--	Sample														
					Permit Req.														
					Value NODI														
03592 Oil and grease		1 - Effluent Gross	0	--	Sample														
					Permit Req.														
					Value NODI														
50550 Flow, in conduit or thru treatment plant		1 - Effluent Gross	0	--	Sample														
					Permit Req.														
					Value NODI														
84066 Oil and grease visual		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:

Name:

GHGSMITHOXBOW

E-Mail:

doug.smith@oxbow.com

Date/Time:

2019-09-04 10:30 (Time Zone: -06:00)

Report Last Signed By

User:

Name:

GHGSMITHOXBOW

E-Mail:

doug.smith@oxbow.com

Date/Time:

2019-09-04 10:34 (Time Zone: -06:00)



# DMR Copy of Record

Permit #:	CO0000132	Permittee:	Oxbow Mining LLC	Facility:	SANBORN CRK & ELK CRK MINES
Major:	No	Permittee Address:	PO Box 535 Somerst, CO 81434-0535	Facility Location:	3737 HIGHWAY 133 SOMERSET, CO 81434
Permitted Feature:	016 External Outfall	Discharge:	016-A SURFACE RUNOFF TO ELK CREEK		

Report Dates & Status		Status:	NetDMR Validated
Monitoring Period:	From 08/01/19 to 08/31/19	DMR Due Date:	09/28/19

Considerations for Form Completion  
TSS & TOTAL IRON LIMITS WILL BE WAIVED, AND SETTLEABLE SOLIDS LIMIT APPLIED FOR <=10YR.24 HR PRECIP EVENT;SETTLEABLE SOLIDS LIMITS MAY BE WAIVED FOR >10YR.24HR EVENT-SEE I.A.1, PP 4-5, AND I.A.2., P. 5 FOR RQMTS. TDS MONITORING-SEE PART VI.A.2.G OF RATIONALE. 30 DAY AVG IS HIGHEST MONTHLY AVG DURING PERIOD RPTD.

Principal Executive Officer

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

No Data Indicator (NODI)

Form NODI:		Monitoring Location Season # Param. NODI		Quantity or Loading		Quality or Concentration		# of Ex. Frequency of Analysis Sample Type	
Code	Parameter Name			Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Value 3
00400 pH	1 - Effluent Gross	0	--						
00500 Solids, total suspended	1 - Effluent Gross	0	--						
00545 Solids, settleable	1 - Effluent Gross	0	--						
01045 Iron, total [as Fe]	1 - Effluent Gross	0	--						
03592 Oil and grease	1 - Effluent Gross	0	--						
50050 Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--						
84006 Oil and grease visual	1 - Effluent Gross	0	--						

## 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: 2019-09-04 10:29 (Time Zone: -06:00)

## Report Last Signed By

User: GHGSMITHOXBOW  
Name: Douglas Smith  
E-Mail: doug.smith@oxbow.com  
Date/Time: 2019-09-04 10:34 (Time Zone: -06:00)



# DMR Copy of Record

<b>Permit #:</b>	CO0000132	<b>Permittee:</b>	Oxbow Mining LLC	<b>Facility:</b>	SANBORN CRK & ELK CRK MINES
<b>Major:</b>	No	<b>Permittee Address:</b>	PO Box 535 Somerset, CO 81434-0535	<b>Facility Location:</b>	3737 HIGHWAY 133 SOMERSET, CO 81434
<b>Permitted Feature:</b>	017 External Outfall	<b>Discharge:</b>	017-A SURF RUNOFF TO N. FK GUNIS RIV		

<b>Report Dates &amp; Status</b>		<b>Status:</b>	NetDMR Validated
<b>Monitoring Period:</b>	From 08/01/19 to 08/31/19	<b>DMR Due Date:</b>	09/28/19

Considerations for Form Completion  
TSS & TOTAL IRON LIMITS WILL BE WAIVED, AND SETTLEABLE SOLIDS LIMIT APPLIES FOR <=10YR 24HR PRECIP EVENT; SETTLEABLE SOLIDS LIMIT MAY BE WAIVED FOR >10YR 24HR EVENT-SEE I.A.1.PP 4-5, AND I.A.2., P 5 FOR RQMNTS. TDS MONITORING - SEE PART VI.A.2.G OF RATIONALE. 30 DAY AVG IS HIGHEST MONTHLY AVG. DURING PERIOD RPTD

Principal Executive Officer

<b>First Name:</b>	MIKE	<b>Title:</b>	PRESIDENT
<b>Last Name:</b>	LUDLOW	<b>Telephone:</b>	970-929-5122

No Data Indicator (NODI)

Form NODI:																
Parameter Name		Monitoring Location		Season	# Param. NODI	Quantity or Loading				Quality or Concentration				# of Ex. Frequency of Analysis		Sample Type
Code						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						>=	6.5 MINIMUM				IS - INSITU
					Permit Req. Value NODI											
00530 Solids, total suspended	1 - Effluent Gross	0	-		Sample											GR - GRAB
					Permit Req. Value NODI											
00545 Solids, settleable	1 - Effluent Gross	0	-		Sample											GR - GRAB
					Permit Req. Value NODI											
01045 Iron, total [as Fe]	1 - Effluent Gross	0	-		Sample											GR - GRAB
					Permit Req. Value NODI											
03592 Oil and grease	1 - Effluent Gross	0	-		Sample											GR - GRAB
					Permit Req. Value NODI											
50050 Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	-		Sample											GR - GRAB
					Permit Req. Value NODI											
84066 Oil and grease visual	1 - Effluent Gross	0	-		Sample											IN - INSTAN
					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: 2019-09-04 10:29 (Time Zone: -06:00)

## Report Last Signed By

User: GHGSMITHOXBOW  
Name: Douglas Smith  
E-Mail: doug.smith@oxbow.com  
Date/Time: 2019-09-04 10:34 (Time Zone: -06:00)



# DMR Copy of Record

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:	019- External Outfall	Discharge:	019-A SURFACE RUNOFF TO HUBBARD CRK		

Report Dates & Status	Monitoring Period:	DMR Due Date:	Status:
	From 08/01/19 to 08/31/19	09/28/19	NetDMR Validated

CONSIDERATIONS FOR FORM COMPLETION  
TSS & TOTAL IRON LIMITS WILL BE WAIVED, AND SETTLEABLE SOLIDS LIMIT APPLIED FOR <=1024HR PRECIP EVENT-SEE I.A.1, PP 4-5, AND I.A.2, P 5 FOR RQMNTS.TDS MONITORING-SEE PART V.I.A.2.G OF RATIONALE. 30 DAY AVG IS HIGHEST MONTHLY AVG DURING REPORTING PERIOD.

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

No Data Indicator (NODI)

Code	Parameter Name	Monitoring Location		Season #	Param. NODI	Qualifier 1		Quantity or Loading		Quality or Concentration		Value 3		# of Ex. Frequency of Analysis		Sample Type
		Value 1	Qualifier 2			Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Units			
00400 pH		1 - Effluent Gross	0	-	Sample Permit Req. Value NODI		>=	6.5 MINIMUM C - No Discharge		<=	9 MAXIMUM C - No Discharge	12 - SU	01/30 - Monthly	IS - INSTTU		
00530 Solids, total suspended		1 - Effluent Gross	0	-	Sample Permit Req. Value NODI					<=	35 30DA AVG C - No Discharge	70 MX 7D AV C - No Discharge	01/30 - Monthly	GR - GRAB		
00545 Solids, settleable		1 - Effluent Gross	0	-	Sample Permit Req. Value NODI						Req Mon 30DA AVG C - No Discharge	Req Mon DAILY MX 25 - m/L	01/30 - Monthly	GR - GRAB		
01045 Iron, total [as Fe]		1 - Effluent Gross	0	-	Sample Permit Req. Value NODI					<=	3000 30DA AVG C - No Discharge	6000 DAILY MX C - No Discharge	01/30 - Monthly	GR - GRAB		
03592 Oil and grease		1 - Effluent Gross	0	-	Sample Permit Req. Value NODI					<=	10 INST MAX C - No Discharge	19 - mg/L	7/7/77 - Contingent	GR - GRAB		
50050 Flow, in conduit or thru treatment plant		1 - Effluent Gross	0	-	Sample Permit Req. Value NODI						Req Mon 30DA AVG C - No Discharge	Req Mon DAILY MX 03 - MGD C - No Discharge	01/30 - Monthly	IN - INSTAN		
84060 Oil and grease visual		1 - Effluent Gross	0	-	Sample Permit Req. Value NODI						Req Mon INST MAX 9P - N=0,Y=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: GHGSMITHOXBOW  
Name: Douglas Smith  
E-Mail: doug.smith@oxbow.com  
Date/Time: 2019-09-04 10:28 (Time Zone: -06:00)

## Report Last Signed By

User: GHGSMITHOXBOW  
Name: Douglas Smith  
E-Mail: doug.smith@oxbow.com  
Date/Time: 2019-09-04 10:34 (Time Zone: -06:00)