



STATE OF  
COLORADO

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

---

## NetDMR COR Submission for: CO0000132

1 message

---

**Doug Smith** <Doug.Smith@oxbow.com>

Mon, Jun 3, 2019 at 3:20 PM

To: "leigh.simmons@state.co.us" <leigh.simmons@state.co.us>

Cc: Mike Ludlow <Mike.Ludlow@oxbow.com>

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 May 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



**20190601 May DMR's to CDRMS.pdf**  
3939K

# DMR Copy of Record

**Permit**  
 Permit #: CO0000132  
 Major: No  
 Facility: SANBORN CRK & ELK CRK MINES  
 Facility Location: 3737 HIGHWAY 133  
 SOMERSET, CO 81434  
 Permitted Feature: 007-A  
 External Outfall  
 Discharge: SEDIMENT POND TO HUBBARD CREEK

**Report Dates & Status**  
 Monitoring Period: From 05/01/19 to 05/31/19  
 DMR Due Date: 06/28/19  
 Status: NetDMR Validated

TSS & TOTAL IRON LIMITS WILL BE WAIVED, AND SETTLEABLE SOLIDS LIMIT APPLIED FOR <=10YR.24HR PRECIP EVENT;SETTLABLE 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	Qualifier 1	Value 1	Quantity or Loading	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	--															
00450 Solids, total suspended		1 - Effluent Gross	0	--															
00455 Solids, settleable		1 - Effluent Gross	0	--															
01045 Iron, total [as Fe]		1 - Effluent Gross	0	--															
03582 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: 2019-06-03 14:18 (Time Zone: -06:00)

## Report Last Signed By

User: GHGSMITHOXBOW  
 Name: Douglas Smith  
 E-Mail: doug.smith@oxbow.com  
 Date/Time: 2019-06-03 14:19 (Time Zone: -06:00)



# DMR Copy of Record

**Permit**  
 Permit #: CO0000132  
 Major: No  
 Permitted Feature: 009 External Outfall

**Permittee:** Oxbow Mining LLC  
 PO Box 535  
 Somerset, CO 81434-0535

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

**Discharge:** 009-A  
 SURF RUNOFF TO N FK GUNIS RIVER

**Report Dates & Status**  
 Monitoring Period: From 05/01/19 to 05/31/19  
 DMR Due Date: 06/28/19  
 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 RQWNTS.TDS  
 MONITORING-SEE PART VI.A.2.G OF RATIONALE. 30 DAY AVG. IF 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)**  
 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															
00500 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															
84060 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-OBOW  
 Name: Douglas Smith  
 E-Mail: doug.smith@oxbow.com  
 Date/Time: 2019-06-03 14:17 (Time Zone: -06:00)

**Report Last Signed By**

User: GHGSMITH-OBOW  
 Name: Douglas Smith  
 E-Mail: doug.smith@oxbow.com  
 Date/Time: 2019-06-03 14:19 (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:	010 External Outfall	Discharge:	010-A SEDIMENT POND TO SANBORN CREEK		

Report Dates & Status	Monitoring Period:	DMR Due Date:	Status:
	From 05/01/19 to 05/31/19	06/28/19	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:	970-929-5122

## Form NODI:

Code	Parameter Name	Monitoring Location	Season	Param. NODI	Qualifier 1	Value 1	Quantity or Loading	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Quality or Concentration	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	--																	
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	--																	
84098 Oil and grease visual		1 - Effluent Gross	0	--																	
		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:	2019-06-03 14:16 (Time Zone: -06:00)

## Report Last Signed By

User:	GHGSMITHOXBOW
Name:	Douglas Smith
E-Mail:	doug.smith@oxbow.com
Date/Time:	2019-06-03 14:19 (Time Zone: -06:00)



# DMR Copy of Record

**Permit**  
 Permit #: CO0000132  
 Major: No  
 Permitted Feature: 012 External Outfall  
 Report Dates & Status: From 05/01/19 to 05/31/19  
 Monitoring Period: 06/28/19  
 Status: NetDMR Validated  
 Facility: SANBORN CRK & ELK CRK MINES  
 Facility Location: 3737 HIGHWAY 133  
 SOMERSET, CO 81434  
 Discharge: 012-A  
 SEDIMENT POND TO ELK CREEK

**Monitoring Period:** From 05/01/19 to 05/31/19  
**DMR Due Date:** 06/28/19  
**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 RQMNITS.TDS  
 MONITORING-SEE PART VIA.2.G OF RATIONALE. 30 DAY AVG. IS HIGHEST MONTHLY AVG. DURING PERIOD REPRTR.

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

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	Sample	Value NODI	Sample	Permit Req.	Value NODI	Sample	Value NODI	Sample	Value NODI	Sample	0	01/30 - Monthly	IS - INSTU
00530 Solids, total suspended	1 - Effluent Gross	0	--	Sample	Permit Req.	Value NODI	Sample	Value NODI	Sample	Permit Req.	Value NODI	Sample	Value NODI	Sample	Value NODI	Sample	0	01/30 - Monthly	GR - GRAB
00545 Solids, settleable	1 - Effluent Gross	0	--	Sample	Permit Req.	Value NODI	Sample	Value NODI	Sample	Permit Req.	Value NODI	Sample	Value NODI	Sample	Value NODI	Sample	0	01/30 - Monthly	GR - GRAB
01045 Iron, total [as Fe]	1 - Effluent Gross	0	--	Sample	Permit Req.	Value NODI	Sample	Value NODI	Sample	Permit Req.	Value NODI	Sample	Value NODI	Sample	Value NODI	Sample	0	01/30 - Monthly	GR - GRAB
03582 Oil and grease	1 - Effluent Gross	0	--	Sample	Permit Req.	Value NODI	Sample	Value NODI	Sample	Permit Req.	Value NODI	Sample	Value NODI	Sample	Value NODI	Sample	0	01/30 - Monthly	GR - GRAB
50050 Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	Permit Req.	Value NODI	Sample	Value NODI	Sample	Permit Req.	Value NODI	Sample	Value NODI	Sample	Value NODI	Sample	0	01/30 - Monthly	GR - GRAB
84066 Oil and grease visual	1 - Effluent Gross	0	--	Sample	Permit Req.	Value NODI	Sample	Value NODI	Sample	Permit Req.	Value NODI	Sample	Value NODI	Sample	Value NODI	Sample	0	01/30 - Monthly	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.  
**Report Last Saved By**  
 Oxbow Mining LLC  
 User: GHGSMITHOXBOW  
 Name: Douglas Smith  
 E-Mail: doug.smith@oxbow.com  
 Date/Time: 2019-05-03 14:16 (Time Zone: -06:00)  
**Report Last Signed By**  
 User: GHGSMITHOXBOW  
 Name: Douglas Smith  
 E-Mail: doug.smith@oxbow.com  
 Date/Time: 2019-05-03 14:19 (Time Zone: -06:00)



# DMR Copy of Record

**Permit**  
 Permit #: CO0000132  
 Major: No  
 Permitted Feature: 013 External Outfall  
 Facility: Oxbow Mining LLC  
 PO Box 535  
 Somerset, CO 81434-0535  
 Facility Location: SANBORN CRK & ELK CRK MINES  
 3737 HIGHWAY 133  
 SOMERSET, CO 81434

**Report Dates & Status**  
 Monitoring Period: From 05/01/19 to 05/31/19  
 DMR Due Date: 06/28/19  
 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 RQMNTS.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)**

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	Qualifier 1	Value 1	Qualifier 2	Value 2	Units	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							
00530 Solids, total suspended	1 - Effluent Gross	0	-	Sample										<=	35 30DA AVG	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		01/30 - Monthly	GR - GRAB
				Permit Req. Value NODI							C - No Discharge							
01045 Iron, total [as Fe]	1 - Effluent Gross	0	-	Sample										<=	3000 30DA AVG	28 - ug/L	01/30 - Monthly	GR - GRAB
				Permit Req. Value NODI							C - No Discharge							
03582 Oil and grease	1 - Effluent Gross	0	-	Sample														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	77777 - 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							
				Sample											Req Mon INST MAX 9P - N=0,Y=1		01/30 - Monthly	VI - VISUAL
				Value NODI											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: 2019-06-03 14:15 (Time Zone: -06:00)

## Report Last Signed By

User: GHGSMITHOXBOW  
 Name: Douglas Smith  
 E-Mail: doug.smith@oxbow.com  
 Date/Time: 2019-06-03 14:19 (Time Zone: -06:00)



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

### Report Dates & Status

Monitoring Period:	From 05/01/19 to 05/31/19	DMR Due Date:	06/28/19	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 RQMNTS.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	Telephone:	970-925-5122
Last Name:	LUDLOW				

### No Data Indicator (NOD)

Form NOD: --

Code	Parameter Name	Monitoring Location	Season #	Param. NOD	Quantity or Loading			Quality or Concentration			# of Ex. Frequency of Analysis			Sample Type		
					Qualifier 1	Value 1	Qualifier 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3		Value 3	Units
00400 pH		1 - Effluent Gross	0	-	Sample											
					Permit Req. Value NOD											
00530 Solids, total suspended		1 - Effluent Gross	0	-	Sample											
					Permit Req. Value NOD											
00545 Solids, settleable		1 - Effluent Gross	0	-	Sample											
					Permit Req. Value NOD											
01045 Iron, total [as Fe]		1 - Effluent Gross	0	-	Sample											
					Permit Req. Value NOD											
03592 Oil and grease		1 - Effluent Gross	0	-	Sample											
					Permit Req. Value NOD											
50050 Flow, in conduit or thru treatment plant		1 - Effluent Gross	0	-	Sample											
					Permit Req. Value NOD											
84066 Oil and grease visual		1 - Effluent Gross	0	-	Sample											
					Permit Req. Value NOD											

### 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-OBX-BOW  
Name: Douglas Smith  
E-Mail: doug.smith@oxbow.com  
Date/Time: 2019-06-03 14:15 (Time Zone: -06:00)

### Report Last Signed By

User: GHGSMITH-OBX-BOW  
Name: Douglas Smith  
E-Mail: doug.smith@oxbow.com  
Date/Time: 2019-06-03 14:19 (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:	015 External Outfall	Discharge:	015-A DISCHARGE TO ELK CREEK		

Report Dates & Status	DMR Due Date:	Status:
Monitoring Period: From 05/01/19 to 05/31/19	06/28/19	NetDMR Validated

30 DAY AVERAGE IS HIGHEST MONTHLY AVERAGE DURING PERIOD REPORTED. OIL & GREASE - SEE I.B.1.D.  
Principal Executive Officer

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

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	Qualifier 3	Value 3	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							
01045 Iron, total [as Fe]	1 - Effluent Gross	0	-		Sample	Permit Req.							
						Value NODI							
03582 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: GHGSMITHOXBOW  
Name: Douglas Smith  
E-Mail: doug.smith@oxbow.com  
Date/Time: 2019-06-03 14:14 (Time Zone: -06:00)

## Report Last Signed By

User: GHGSMITHOXBOW  
Name: Douglas Smith  
E-Mail: doug.smith@oxbow.com  
Date/Time: 2019-06-03 14:19 (Time Zone: -06:00)



# DMR Copy of Record

**Permit**  
 Permit #: CO0000132  
 Major: No  
 Permitted Feature: 016 External Outfall  
 Discharge: 016-A SURFACE RUNOFF TO ELK CREEK  
 Facility: SANBORN CRK & ELK CRK MINES  
 Facility Location: 3737 HIGHWAY 133  
 SOMERSET, CO 81434

**Report Dates & Status**  
 Monitoring Period: From 05/01/19 to 05/31/19  
 DMR Due Date: 06/28/19  
 Status: NetDMR Validated

TSS & TOTAL IRON LIMITS WILL BE WAIVED, AND SETTLEABLE SOLIDS LMT 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 RQIMTS. 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  
 Last Name: LUDLOW  
 Title: PRESIDENT  
 Telephone: 970-929-5122

**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	--															
00500 Solids, total suspended		1 - Effluent Gross	0	--															
00545 Solids, settleable		1 - Effluent Gross	0	--															
01045 Iron, total [as Fe]		1 - Effluent Gross	0	--															
03502 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: 2019-06-03 14:14 (Time Zone: -06:00)

**Report Last Signed By**

User: GHGSMITHOXBOW  
 Name: Douglas Smith  
 E-Mail: doug.smith@oxbow.com  
 Date/Time: 2019-06-03 14:19 (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 Somerse, 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>Monitoring Period:</b>	From 05/01/19 to 05/31/19
<b>DMR Due Date:</b>	06/28/19
<b>Status:</b>	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 PRECIP 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

<b>First Name:</b>	MIKE	<b>Title:</b>	PRESIDENT
<b>Last Name:</b>	LUDLOW	<b>Telephone:</b>	970-925-5122

## No Data Indicator (NODI)

Form NODI: --

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	Qualifier 3	Value 3		Units
00400 pH		1 - Effluent Gross	0	--		6.5 MINIMUM C - No Discharge	>=			9 MAXIMUM C - No Discharge	12 - SU	IS - INSTU
00530 Solids, total suspended		1 - Effluent Gross	0	--			<=	35 30DA AVG C - No Discharge		70 DAILY MX C - No Discharge	19 - mg/L	GR - GRAB
00545 Solids, settleable		1 - Effluent Gross	0	--				Req Mon 30DA AVG C - No Discharge		Req Mon DAILY MX 25 - mL	01/30 - Monthly	GR - GRAB
01045 Iron, total [as Fe]		1 - Effluent Gross	0	--			<=	3000 30DA AVG C - No Discharge		6000 DAILY MX C - No Discharge	01/30 - Monthly	GR - GRAB
03582 Oil and grease		1 - Effluent Gross	0	--						10 INST MAX C - No Discharge	19 - mg/L	GR - GRAB
50050 Flow, in conduit or thru treatment plant		1 - Effluent Gross	0	--		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	--				Req Mon INST MAX 9P - N=Q,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: 2019-06-03 14:13 (Time Zone: -06:00)

## Report Last Signed By

User: GHGSMITHOXBOW

Name: Douglas Smith

E-Mail: doug.smith@oxbow.com

Date/Time: 2019-06-03 14:19 (Time Zone: -06:00)



## DMR Copy of Record

**Permit**  
 Permit #: CO0000132  
 Major: No  
 Permitted Feature: 019 External Outfall  
 Discharge: 019-A SURFACE RUNOFF TO HUBBARD CRK  
 Facility: SANBORN CRK & ELK CRK MINES  
 Facility Location: 3737 HIGHWAY 133  
 SOMERSET, CO 81434

**Report Dates & Status**  
 Monitoring Period: From 05/01/19 to 05/31/19  
 DMR Due Date: 06/28/19  
 Status: NetDMR Validated

TSS & TOTAL IRON LIMITS WILL BE WAIVED, AND SETTLEABLE SOLIDS LIMIT APPLIED FOR <=10.24HR 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.G OF RATIONALE. 30 DAY AVG IS HIGHEST MONTHLY AVG DURING REPORTING PERIOD.

Principal Executive Officer

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

No Data Indicator (NODI)

Parameter Name	Monitoring Location	Season	# Param. NODI	Qualifier 1	Value 1	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. 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										
03562 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: GHGSMITHOXBOW  
 Name: Douglas Smith  
 E-Mail: doug.smith@oxbow.com  
 Date/Time: 2019-05-03 14:13 (Time Zone: -06:00)

### Report Last Signed By

User: GHGSMITHOXBOW  
 Name: Douglas Smith  
 E-Mail: doug.smith@oxbow.com  
 Date/Time: 2019-05-03 14:19 (Time Zone: -06:00)