

**DMR Copy of Record**

**Permit**  
 Permit #: **C00000132**  
 Major: **No**  
 Permitted Feature: **External Outfall**  
 Discharge: **007-A**  
 Facility: **SANBORN CRK & ELK CRK MINES**  
 Facility Location: **3737 HIGHWAY 133 SOMERSET, CO 81434**

Permittee: **Oxbow Mining LLC**  
 Permittee Address: **PO Box 535 Somersett, CO 81434-0535**  
 Discharge: **007-A**  
 Discharge: **SEDIMENT POND TO HUBBARD CREEK**

Report Dates & Status  
 Monitoring Period: **From 10/01/17 to 10/31/17**  
 DMR Due Date: **11/28/17**  
 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 RQIMTS.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**  
 Last Name: **Ludlow**  
 Title: **President**  
 Telephone: **970-929-5122**

No Data Indicator (NODI)  
 Form NODI: **--**

Code	Parameter Name	Monitoring Location	Season	# Param. NODI	Quantity or Loading		Quality or Concentration		Units	Qualifier 3	Value 3	Units	# of Ex.	Frequency of Analysis	Sample Type
					Qualifier 1	Value 1	Qualifier 2	Value 2							
00400 pH	1 - Effluent Gross	0	--		>=	6.5 MINIMUM	<=	9 MAXIMUM	12 - SU	C - No Discharge	01/30 - Monthly	IS - INSTU			
00530 Solids, total suspended	1 - Effluent Gross	0	--		<=	35 30DA AVG	<=	70 DAILY MX	19 - mg/L	C - No Discharge	01/30 - Monthly	GR - GRAB			
00545 Solids, settleable	1 - Effluent Gross	0	--		<=	Req Mon 30DA AVG	<=	Req Mon DAILY MX 25 - mL/L		C - No Discharge	01/30 - Monthly	GR - GRAB			
01045 Iron, total [as Fe]	1 - Effluent Gross	0	--		<=	3500 30DA AVG	<=	7000 DAILY MX	28 - ug/L	C - No Discharge	01/30 - Monthly	GR - GRAB			
03582 Oil and grease	1 - Effluent Gross	0	--		<=	10 INST MAX	<=	10 INST MAX	19 - mg/L	C - No Discharge	7/7/77 - Contingent	GR - GRAB			
50550 Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--			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=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**  
 No errors.

**Attachments**  
 No attachments.

**Report Last Saved By**  
 Oxbow Mining LLC

User: **GHGSMITHOXBOW**  
 Name: **Douglas Smith**  
 E-Mail: **doug.smith@oxbow.com**  
 Date/Time: **2017-11-01 11:09 (Time Zone: -06:00)**

**Report Last Signed By**  
 User: **GHGSMITHOXBOW**  
 Name: **Douglas Smith**  
 E-Mail: **doug.smith@oxbow.com**  
 Date/Time: **2017-11-01 11:14 (Time Zone: -06:00)**

**DMR Copy of Record**

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

**Report Dates & Status**  
**Monitoring Period:** From 10/01/17 to 10/31/17  
**DMR Due Date:** 11/28/17  
**Status:** NetDMR Validated

**Considerations for Form Completion**  
 TSS & TOTAL IRON LIMITS WILL BE WAIVED, AND SETTLEABLE SOLIDS LMT 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 RQINMTS.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:** 970-923-5122

**No Data Indicator (NODI)**  
**Form NODI:** -

Code	Parameter Name	Monitoring Location	Season #	Param. NODI	Qualifier-1	Value 1	Qualifier 2	Value 2	Units	Qualifier 3	Value 3	Units	# of Ex.	Frequency of Analysis	Sample Type
00400	pH	1 - Effluent Gross	0	-	>=	6.5 MINIMUM C - No Discharge	<=	9 MAXIMUM C - No Discharge	12 - SU	<=	70 DAILY MX C - No Discharge	19 - mg/L	0130 - Monthly	0130 - Monthly	IS - INSITU
00530	Solids, total suspended	1 - Effluent Gross	0	-	<=	35 30DA AVG C - No Discharge	<=	35 30DA AVG C - No Discharge					0130 - Monthly	0130 - Monthly	GR - GRAB
00545	Solids, settleable	1 - Effluent Gross	0	-				Req Mon 30DA AVG C - No Discharge					0130 - Monthly	0130 - Monthly	GR - GRAB
01045	Iron, total [as Fe]	1 - Effluent Gross	0	-	<=	3500 30DA AVG C - No Discharge	<=	7000 DAILY MX C - No Discharge	28 - ug/L				0130 - Monthly	0130 - Monthly	GR - GRAB
03582	Oil and grease	1 - Effluent Gross	0	-				10 INST MAX C - No Discharge	19 - mg/L				77177 - Contingent		GR - GRAB
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	-		Req Mon DAILY MX 03 - MGD C - No Discharge		Req Mon 30DA AVG C - No Discharge					0130 - Monthly	0130 - Monthly	IN - INSTAN
84066	Oil and grease visual	1 - Effluent Gross	0	-		Req Mon INST MAX 9P - N=0,Y=1 C - No Discharge							0130 - Monthly	0130 - 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**  
No errors.

**Attachments**  
No attachments.

**Report Last Saved By**  
Oxbow Mining LLC

**User:** GHGSMITHOXBOW  
**Name:** Douglas Smith  
**E-Mail:** doug.smith@oxbow.com  
**Date/Time:** 2017-11-01 11:10 (Time Zone: -06:00)

**Report Last Signed By**  
**User:** GHGSMITHOXBOW  
**Name:** Douglas Smith  
**E-Mail:** doug.smith@oxbow.com  
**Date/Time:** 2017-11-01 11:14 (Time Zone: -06:00)

**DMR Copy of Record**

**Permit**  
 Permit #: CO0000132  
 Major: No  
 Permitted Feature: 010 External Outfall  
 Discharge: 010-A SEDIMENT POND TO SANBORN CREEK  
 Facility: SANBORN CRK & ELK CRK MINES  
 Facility Location: 3737 HIGHWAY 133 SOMERSET, CO 81434

Permittee: Oxbow Mining LLC  
 Permittee Address: PO Box 535 Somerset, CO 81434-0535  
 DMR Due Date: 11/28/17  
 Status: NetDMR Validated

Report Dates & Status: From 10/01/17 to 10/31/17  
 Monitoring Period: From 10/01/17 to 10/31/17  
 Considerations for Form Completion: TSS & TOTAL IRON LIMITS WILL BE WAIVED, AND SETTLEABLE SOLIDS LMT 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 ROMINTS.TDS MONITORING-SEE PART VI.A.Z.G OF RATIONALE. 30 DAY AVG. IS HIGHEST MONTHLY AVG. DURING PERIOD REPRTD.

Principal Executive Officer: Mike 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 3	Value 3	Units	# of Ex.	Frequency of Analysis	Sample Type
00400	pH	1 - Effluent Gross	0	-	>=	6.5 MINIMUM C - No Discharge	<=	9 MAXIMUM C - No Discharge	12 - SU	<=	70 DAILY MX C - No Discharge	19 - mg/L	0130 - Monthly	IS - INSITU	
00530	Solids, total suspended	1 - Effluent Gross	0	-	<=	35.30DA AVG C - No Discharge	<=	70 DAILY MX C - No Discharge	19 - mg/L	<=	70 DAILY MX C - No Discharge	19 - mg/L	0130 - Monthly	GR - GRAB	
00545	Solids, settleable	1 - Effluent Gross	0	-		Req Mon 30DA AVG C - No Discharge		Req Mon 30DA AVG C - No Discharge	25 - mL/L		Req Mon DAILY MX C - No Discharge	25 - mL/L	0130 - Monthly	GR - GRAB	
01945	Iron, total [as Fe]	1 - Effluent Gross	0	-		Req Mon 30DA AVG C - No Discharge		Req Mon 30DA AVG C - No Discharge	28 - ug/L		7000 DAILY MX C - No Discharge	28 - ug/L	0130 - Monthly	GR - GRAB	
03592	Oil and grease	1 - Effluent Gross	0	-		Req Mon 30DA AVG C - No Discharge		Req Mon 30DA AVG C - No Discharge	19 - mg/L		10 INST MAX C - No Discharge	19 - mg/L	77177 - Contingent	GR - GRAB	
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	-		Req Mon DAILY MX 03 - MGD C - No Discharge		Req Mon DAILY MX 03 - MGD C - No Discharge			Req Mon INST MAX 9P - N=0Y=1 C - No Discharge		0130 - Monthly	IN - INSTAN	
84566	Oil and grease visual	1 - Effluent Gross	0	-									0130 - 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**  
 No attachments.

**Attachments**  
 Report Last Saved By: Oxbow Mining LLC

User: GHGSMITHOBOW  
 Name: Douglas Smith  
 E-Mail: doug.smith@oxbow.com  
 Date/Time: 2017-11-01 11:10 (Time Zone: -06:00)

Report Last Signed By: GHGSMITHOBOW  
 User: Douglas Smith  
 Name: Douglas Smith  
 E-Mail: doug.smith@oxbow.com  
 Date/Time: 2017-11-01 11:14 (Time Zone: -06:00)

**DMR Copy of Record**

**Permit**  
 Permit #: CO0000132  
 Major: No  
 Permitted Feature: 012 External Outfall  
 Facility: SANBORN CRK & ELK CRK MINES  
 Facility Location: 3737 HIGHWAY 133 SOMERSET, CO 81434

Permittee: Oxbow Mining LLC  
 Permittee Address: PO Box 535 Somerset, CO 81434-0535  
 Discharge: 012-A SEDIMENT POND TO ELK CREEK

Report Dates & Status  
 Monitoring Period: From 10/01/17 to 10/31/17  
 DMR Due Date: 11/28/17  
 Status: NetDMR Validated

Monitoring Period Considerations for Form Completion  
 TSS & TOTAL IRON LIMITS WILL BE WAIVED, AND SETTLEABLE SOLIDS LMT 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 RQIMNTS.TDS MONITORING-SEE PART VI.A.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

No Data Indicator (NODI)  
 Form NODI: --

Code	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	--	>=	6.5 MINIMUM C - No Discharge	<=	9 MAXIMUM C - No Discharge	12 - SU	<=	70 DAILY MAX C - No Discharge	19 - mg/L	0130 - Monthly	0130 - Monthly	IS - INSITU
00530	Solids, total suspended	1 - Effluent Gross	0	--	<=	35.30DA AVG C - No Discharge	<=	35.30DA AVG C - No Discharge	19 - mg/L	<=	70 DAILY MAX C - No Discharge	19 - mg/L	0130 - Monthly	0130 - Monthly	GR - GRAB
00545	Solids, settleable	1 - Effluent Gross	0	--		Req Mon 30DA AVG C - No Discharge		Req Mon 30DA AVG C - No Discharge			Req Mon DAILY MAX C - No Discharge	25 - mL/L	0130 - Monthly	0130 - Monthly	GR - GRAB
01945	Iron, total [as Fe]	1 - Effluent Gross	0	--	<=	3000.30DA AVG C - No Discharge	<=	3000.30DA AVG C - No Discharge	28 - ug/L	<=	6000 DAILY MAX C - No Discharge	28 - ug/L	0130 - Monthly	0130 - Monthly	GR - GRAB
03582	Oil and grease	1 - Effluent Gross	0	--		Req Mon 30DA AVG C - No Discharge		Req Mon 30DA AVG C - No Discharge			10 INST MAX C - No Discharge	19 - mg/L	7777 - Contingent	7777 - Contingent	GR - GRAB
50650	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--		Req Mon DAILY MAX C - No Discharge		Req Mon DAILY MAX C - No Discharge	03 - MGD		Req Mon INST MAX C - No Discharge		0130 - Monthly	0130 - Monthly	IN - INSTAN
84966	Oil and grease visual	1 - Effluent Gross	0	--		Req Mon INST MAX C - No Discharge		Req Mon INST MAX C - No Discharge			10 INST MAX C - No Discharge		0130 - Monthly	0130 - 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**  
 No errors.

**Attachments**  
 No attachments.

**Report Last Saved By**  
 Oxbow Mining LLC

User: GHGSMITHOXBOW  
 Name: Douglas Smith  
 E-Mail: doug.smith@oxbow.com  
 Date/Time: 2017-11-01 11:11 (Time Zone: -06:00)

**Report Last Signed By**  
 User: GHGSMITHOXBOW  
 Name: Douglas Smith  
 E-Mail: doug.smith@oxbow.com  
 Date/Time: 2017-11-01 11:14 (Time Zone: -06:00)

**DMR Copy of Record**

**Permit:** CO0000132  
**Permittee:** Oxbow Mining LLC  
**Major:** No  
**Facility Location:** SANBORN CRK & ELK CRK MINES  
 3737 HIGHWAY 133  
 SOMERSET, CO 81434  
**Permitted Feature:** 013 External Outfall  
**Discharge:** 013-A RUNOFF TO N FORK GUNNISON R.

**Report Dates & Status:** From 10/01/17 to 10/31/17  
**DMR Due Date:** 11/28/17  
**Status:** Not DMR Validated

**Monitoring Period:** Considerations for Form Completion  
**TSS & TOTAL IRON LIMITS WILL BE WAIVED, AND SETTLEABLE SOLIDS LMT 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 RQMN.TDS MONITORING-SEE PART VI.A.Z.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

**No Data Indicator (NODI)**  
**Form NODI:**

Code	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	-	>=	6.5 MINIMUM C - No Discharge	<=	9 MAXIMUM C - No Discharge	12 - SU	<=	19 - mg/L	19 - mg/L	01300	Monthly	IS - INSTTU
00530	Solids, total suspended	1 - Effluent Gross	0	-	<=	35 30DA AVG C - No Discharge	<=	70 DAILY MX C - No Discharge	19 - mg/L	<=	19 - mg/L	19 - mg/L	01300	Monthly	GR - GRAB
00545	Solids, settleable	1 - Effluent Gross	0	-		Req Mon 30DA AVG C - No Discharge		Req Mon DAILY MX C - No Discharge	25 - mL/L		25 - mL/L	25 - mL/L	01300	Monthly	GR - GRAB
01045	Iron, total [as Fe]	1 - Effluent Gross	0	-	<=	3000 30DA AVG C - No Discharge	<=	6000 DAILY MX C - No Discharge	28 - ug/L	<=	28 - ug/L	28 - ug/L	01300	Monthly	GR - GRAB
03582	Oil and grease	1 - Effluent Gross	0	-		Req Mon INST MAX C - No Discharge		10 INST MAX C - No Discharge	19 - mg/L		19 - mg/L	19 - mg/L	77177	Contingent	GR - GRAB
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	-		Req Mon DAILY MX 03 - MGD C - No Discharge		Req Mon DAILY MX 03 - MGD C - No Discharge	03 - MGD		03 - MGD	03 - MGD	01300	Monthly	IN - INSTAN
84066	Oil and grease visual	1 - Effluent Gross	0	-		Req Mon INST MAX 9P - N=0Y=1 C - No Discharge		Req Mon INST MAX 9P - N=0Y=1 C - No Discharge	9P - N=0Y=1		9P - N=0Y=1	9P - N=0Y=1	01300	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**  
 No attachments.

**Attachments**  
 No attachments.

**Report Last Saved By**  
 Oxbow Mining LLC

**User:** GHGSMITHOXBOW  
**Name:** Douglas Smith  
**E-Mail:** doug.smith@oxbow.com  
**Date/Time:** 2017-11-01 11:11 (Time Zone: -06:00)

**Report Last Signed By**  
 User: GHGSMITHOXBOW

**Name:** Douglas Smith  
**E-Mail:** doug.smith@oxbow.com  
**Date/Time:** 2017-11-01 11:14 (Time Zone: -06:00)

**DMR Copy of Record**

**Permit**  
 Permit #: **CO0000132**  
 Major: **No**  
 Permitted Feature: **014 External Outfall**  
 Report Dates & Status: **From 10/01/17 to 10/31/17**  
 Monitoring Period: **DMR Due Date: 11/28/17**  
 Considerations for Form Completion: **NetDMR Validated**  
 TSS & TOTAL IRON LIMITS WILL BE WAIVED, AND SETTLEABLE SOLIDS LIMIT MAY BE WAIVED 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 ROMINTS.TDS MONITORING-SEE PART VI.A.Z.S OF RATIONALE. 30 DAY AVG. IS HIGHEST MONTHLY AVG. DURING PERIOD REPRTR.

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

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

**Discharge:** **014-A SURF RUNOFF TO N FK GUNNISON R**

**First Name:** **Mike Ludlow**  
**Last Name:** **Ludlow**  
**Title:** **President**  
**Telephone:** **970-929-5122**

**Form NODI:**

Code	Parameter Name	Monitoring Location	Season #	Param. NODI	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	--	>=	6.5 MINIMUM C - No Discharge	<=	9 MAXIMUM C - No Discharge		12 - SU		0130 - Monthly	IS - INSITU	
00530 Solids, total suspended	1 - Effluent Gross		0	--	<=	35 30DA AVG C - No Discharge	<=	70 DAILY MX C - No Discharge		19 - mg/L		0130 - Monthly	GR - GRAB	
00545 Solids, settleable	1 - Effluent Gross		0	--		Req Mon 30DA AVG C - No Discharge		Req Mon DAILY MX C - No Discharge		25 - mL/L		0130 - Monthly	GR - GRAB	
01945 Iron, total [as Fe]	1 - Effluent Gross		0	--	<=	3000 30DA AVG C - No Discharge	<=	6000 DAILY MX C - No Discharge		25 - ug/L		0130 - Monthly	GR - GRAB	
03582 Oil and grease	1 - Effluent Gross		0	--		Req Mon 30DA AVG C - No Discharge	<=	10 INST MAX C - No Discharge		19 - mg/L		7/177 - Contingent	GR - GRAB	
50050 Flow, in conduit or thru treatment plant	1 - Effluent Gross		0	--		Req Mon DAILY MX 03 - MGD C - No Discharge						0130 - Monthly	IN - INSTAN	
84066 Oil and grease visual	1 - Effluent Gross		0	--		Req Mon INST MAX 9P - N=0Y=1 C - No Discharge						0130 - 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**  
 No attachments.

**Attachments**  
 No attachments.

**Report Last Saved By**  
 Oxbow Mining LLC

**User:** GHGSMITHOXBOW  
**Name:** Douglas Smith  
**E-Mail:** doug.smith@oxbow.com  
**Date/Time:** 2017-11-01 11:12 (Time Zone: -06:00)

**Report Last Signed By**  
**User:** GHGSMITHOXBOW  
**Name:** Douglas Smith  
**E-Mail:** doug.smith@oxbow.com  
**Date/Time:** 2017-11-01 11:14 (Time Zone: -06:00)



**DMR Copy of Record**

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

**Report Dates & Status**  
 Monitoring Period: From 10/01/17 to 10/31/17  
 DMR Due Date: 11/28/17  
 Status: NetDMR Validated

**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 RQMNITS. TDS MONITORING-SEE PART VI.A.Z.S 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	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			
00400	pH	1 - Effluent Gross	0	-	>=	6.5 MINIMUM C - No Discharge	<=	9 MAXIMUM C - No Discharge	<=	12 - SU	0130 - Monthly	IS - INSITU	
00530	Solids, total suspended	1 - Effluent Gross	0	-	<=	35 30DA AVG C - No Discharge	<=	70 DAILY MX C - No Discharge	<=	19 - mg/L	0130 - Monthly	GR - GRAB	
00545	Solids, settleable	1 - Effluent Gross	0	-	<=	Req Mon 30DA AVG C - No Discharge	<=	Req Mon DAILY MX 25 - mL/L C - No Discharge	<=	25 - mL/L	0130 - Monthly	GR - GRAB	
01045	Iron, total [as Fe]	1 - Effluent Gross	0	-	<=	3000 30DA AVG C - No Discharge	<=	6000 DAILY MX C - No Discharge	<=	28 - ug/L	0130 - Monthly	GR - GRAB	
03592	Oil and grease	1 - Effluent Gross	0	-	<=	Req Mon 30DA AVG C - No Discharge	<=	10 INST MAX C - No Discharge	<=	19 - mg/L	7177 - Contingent	GR - GRAB	
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	-	Req Mon DAILY MX 03 - MGD C - No Discharge						0130 - Monthly	IN - INSTAN	
84096	Oil and grease visual	1 - Effluent Gross	0	-	Req Mon INST MAX 9P - N=0Y=1 C - No Discharge						0130 - 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**  
 No attachments.

**Attachments**  
 Report Last Saved By  
 Oxbow Mining LLC

User: GHGSMITHOBOW  
 Name: Douglas Smith  
 E-Mail: doug.smith@oxbow.com  
 Date/Time: 2017-11-01 11:13 (Time Zone: -06:00)

**Report Last Signed By**  
 User: GHGSMITHOBOW  
 Name: Douglas Smith  
 E-Mail: doug.smith@oxbow.com  
 Date/Time: 2017-11-01 11:14 (Time Zone: -06:00)





**DMR Copy of Record**

**Permit**  
 Permit #: CO0000132  
 Major: No  
 Permitted Feature: 019 External Outfall  
 Report Dates & Status: From 10/01/17 to 10/31/17  
 Monitoring Period: 11/28/17  
 Considerations for Form Completion: NetDMR Validated  
 TSS & TOTAL IRON LIMITS WILL BE WAIVED, AND SETTLEABLE SOLIDS LMT 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 ROMMNTS.TDS MONITORING-SEE PART V.I.A.2.G OF RATIONALE. 30 DAY AVG IS HIGHEST MONTHLY AVG DURING REPORTING PERIOD.  
 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: 019-A  
 SURFACE RUNOFF TO HUBBARD CRK  
 Facility: SANBORN CRK & ELK CRK MINES  
 Facility Location: 3737 HIGHWAY 139  
 SOMERSET, CO 81434  
 Status: NetDMR Validated  
 Telephone: 970-929-5122

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				
00400	pH	1 - Effluent Gross	0	-	>=	6.5 MINIMUM C - No Discharge	<=	9 MAXIMUM C - No Discharge	12 - SU	0130 - Monthly	IS - INSTTU	
00530	Solids, total suspended	1 - Effluent Gross	0	-	<=	35.30DA AVG C - No Discharge	<=	70 MX 7D AV C - No Discharge	19 - mg/L	0130 - Monthly	GR - GRAB	
00545	Solids, settleable	1 - Effluent Gross	0	-		Req Mon 30DA AVG C - No Discharge		Req Mon DAILY MX 25 - mL/L C - No Discharge		0130 - Monthly	GR - GRAB	
01045	Iron, total [as Fe]	1 - Effluent Gross	0	-	<=	3000.30DA AVG C - No Discharge	<=	6000 DAILY MX C - No Discharge	28 - ug/L	0130 - Monthly	GR - GRAB	
03582	Oil and grease	1 - Effluent Gross	0	-			<=	10 INST MAX C - No Discharge	19 - mg/L	77777 - Contingent	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		0130 - Monthly	IN - INSTAN	
84066	Oil and grease visual	1 - Effluent Gross	0	-				Req Mon INST MAX 9p - N=0;Y=1 C - No Discharge		0130 - 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  
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