

DMR Copy of Record

Permit	CO0000132	Permittee:	Oxbow Mining LLC	Facility:	SANBORN CRK & ELK CRK MINES
Major:	No	Permittee Address:	PO Box 535 Somerset, CO 81434-0535	Facility Location:	3737 HIGHWAY 133 SOMERSET, CO 81434
Permitted Feature:	009 External Outfall	Discharge:	009-A Surface Runoff to N Fork of Gunnison River		
Report Dates & Status		DMR Due Date:	07/28/20	Status:	NetDMR Validated
Monitoring Period:	From 06/01/20 to 06/30/20				
Considerations for Form Completion					
TSS & Total Recoverable Iron Limits will be waived, and settleable solids limit applied for <=10YR, 24hr precip event. 30 day avg is highest monthly avg during period reported.					
Principal Executive Officer					
First Name:	MIKE	Title:	PRESIDENT	Telephone:	970-929-5122
Last Name:	LUDLOW				
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 1	Value 1		Qualifier 2
00400	pH	1 - Effluent Gross	0	-	Sample							
					Permit Req. Value NODI							
00530	Solids, total suspended	1 - Effluent Gross	0	-	Sample							
					Permit Req. Value NODI							
00980	Iron, total recoverable	1 - Effluent Gross	0	-	Sample							
					Permit Req. Value NODI							
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	-	Sample							
					Permit Req. Value NODI							

Submission Note
If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors
No errors.

Comments

Attachments
No attachments.

Report Last Saved By
Oxbow Mining LLC

User: GHGSMITHOXBOW
Name: Douglas Smith
E-Mail: doug.smith@oxbow.com
Date/Time: 2020-07-02 08:27 (Time Zone: -06:00)

Report Last Signed By
User: GHGSMITHOXBOW
Name: Douglas Smith
E-Mail: doug.smith@oxbow.com
Date/Time: 2020-07-02 08:32 (Time Zone: -06:00)

DWR Copy of Record

Permit Permit #: CO0000132 Major: No		Permittee: Permittee Address: Oxbow Mining LLC PO Box 535 Somerset, CO 81434-0535		Facility: Facility Location: SANBORN CRK & ELK CRK MINES 3737 HIGHWAY 133 SOMERSET, CO 81434	
Permitted Feature: 009 External Outfall		Discharge: 009-Q Quarterly Monitoring for 001A		Status: NetDWR Validated	
Report Dates & Status Monitoring Period: From 04/01/20 to 06/30/20 Considerations for Form Completion Quarterly monitoring - see Appendix B, #34, pg 17. Principal Executive Officer		DMR Due Date: 07/28/20		Telephone: 970-929-5122	
First Name: MIKE		Title: PRESIDENT			
Last Name: LUDLOW					
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		
00940	Chloride [as Cl]	1 - Effluent Gross	0	--	Sample	Permit Req.	Value NODI	Req Mon 30DA AVG	C - No Discharge	19 - mg/L	01/60 - 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	01/60 - 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	01/60 - 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	01/60 - 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	01/60 - 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	01/60 - 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	01/60 - 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	01/60 - 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	01/60 - 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	01/60 - 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	01/60 - 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	01/60 - 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	01/60 - Quarterly	GR - GRAB

04262	Chromium, trivalent total recoverable	1 - Effluent Gross	0	-		Sample Permit Rec. Value NOD	Req Mon DAILY MX 28 - ug/L C - No Discharge	01/90 - Quarterly	GR - GRAB
50286	Mercury, total [low level]	1 - Effluent Gross	0	-		Sample Permit Rec. Value NOD	Req Mon 30DA AVG C - No Discharge	01/90 - Quarterly	GR - GRAB
51202	Sulfide-hydrogen sulfide [undissociated]	1 - Effluent Gross	0	-		Sample Permit Rec. Value NOD	Req Mon 30DA AVG C - No Discharge	01/90 - Quarterly	GR - GRAB
81020	Sulfate	1 - Effluent Gross	0	-		Sample Permit Rec. Value NOD	Req Mon 30DA AVG C - No Discharge	01/90 - Quarterly	GR - GRAB
82057	Boron, total	1 - Effluent Gross	0	-		Sample Permit Rec. Value NOD	Req Mon 30DA AVG C - No Discharge	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

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:

GHGSMITHOXBOW

Douglas Smith

doug.smith@oxbow.com

2020-07-02 08:27 (Time Zone: -06:00)

GHGSMITHOXBOW

Douglas Smith

doug.smith@oxbow.com

2020-07-02 08:32 (Time Zone: -06:00)

DMR Copy of Record

Permit #:	CO0000132	Permittee:	Oxow 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:	012 External Outfall	Discharge:	012-A Sediment Pond to Elk Creek		
Report Dates & Status		DMR Due Date:	07/28/20	Status:	NetDMR Validated
Monitoring Period:	From 06/01/20 to 06/30/20				
Considerations for Form Completion					
TSS & Total Recoverable Iron limits will be waived, and Settleable Solids limit applied for <=10yr, 24hr precip event. 30 day avg is highest monthly avg during period reported. Report calculated SAR at MLOC=EG; adjusted SAR at MLOC=P.					
Principal Executive Officer					
First Name:	MIKE	Title:	PRESIDENT	Telephone:	970-929-5122
Last Name:	LUDLOW				
Form 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 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	
00094	Conductivity	1 - Effluent Gross	0	--	Sample		Permit Req.		Req Mon 30DA AVG	7B - dS/m	0230 - Twice Per Month GR - GRAB
					Value NODI				C - No Discharge		
00400	pH	1 - Effluent Gross	0	--	Sample		Permit Req.				
					Value NODI						
00440	Bicarbonate Ion- [as HCO3]	1 - Effluent Gross	0	--	Sample		Permit Req.				
					Value NODI						
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample		Permit Req.				
					Value NODI						
00918	Calcium, total recoverable	1 - Effluent Gross	0	--	Sample		Permit Req.				
					Value NODI						
00921	Magnesium, total recoverable	1 - Effluent Gross	0	--	Sample		Permit Req.				
					Value NODI						
00923	Sodium, total recoverable	1 - Effluent Gross	0	--	Sample		Permit Req.				
					Value NODI						
00931	Sodium adsorption ratio	EG - Effluent Gross	0	--	Sample		Permit Req.				
					Value NODI						
00931	Sodium adsorption ratio	P - See Comments	0	--	Sample		Permit Req.				
					Value NODI						
00940	Chloride [as Cl]	1 - Effluent Gross	0	--	Sample		Permit Req.				
					Value NODI						
00978	Arsenic, total recoverable	1 - Effluent Gross	0	--	Sample		Permit Req.				
					Value NODI						
00980	Iron, total recoverable	1 - Effluent Gross	0	--	Sample		Permit Req.				
					Value NODI						
01046	Iron, dissolved [as Fe]	1 - Effluent Gross	0	--	Sample		Permit Req.				
					Value NODI						

01056	Manganese, dissolved [as Mn]	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI	Req Mon 30DA AVG C - No Discharge	28 - ug/L	0230 - 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	0230 - 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	0230 - 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	0230 - 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	0230 - 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	0230 - 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	0230 - 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	0230 - 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	0230 - Twice Per Month GR - GRAB
01318	Lead, potentially dissolved	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI	Req Mon 30DA AVG C - No Discharge	28 - ug/L	0230 - Twice Per Month GR - GRAB
01319	Manganese, potentially dissolved	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI	Req Mon 30DA AVG C - No Discharge	28 - ug/L	0230 - Twice Per Month GR - GRAB
01322	Nickel, potentially dissolved	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI	Req Mon 30DA AVG C - No Discharge	28 - ug/L	0230 - Twice Per Month GR - GRAB
01323	Selenium, potentially dissolved	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI	Req Mon 30DA AVG C - No Discharge	28 - ug/L	0230 - Twice Per Month GR - GRAB
03582	Oil and grease	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI	10.0 INST MAX C - No Discharge	19 - mg/L	77177 - 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	0230 - Twice Per Month GR - GRAB
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample Permit Req. <=	0.004 30DA AVG C - No Discharge	Req Mon DAILY MX 03 - MGD C - No Discharge	01230 - Monthly IN - INSTAN
50266	Mercury, total [low level]	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI	Req Mon 30DA AVG C - No Discharge	28 - ug/L	0230 - 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	0230 - 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	0230 - Twice Per Month GR - GRAB
82057	Boron, total	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI	Req Mon 30DA AVG C - No Discharge	19 - mg/L	0230 - Twice Per Month GR - GRAB

84086	Oil and grease visual	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI	Req Mon INST MAX 9P - N=QY=1 C - No Discharge	01/00 - 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:								
2020-07-02 08:26 (Time Zone: -06:00)								
Report Last Signed By								
User:								
GHGSMITHOXBOW								
Name:								
Douglas Smith								
E-Mail:								
doug.smith@oxbow.com								
Date/Time:								
2020-07-02 08:32 (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:	012 External Outfall	Discharge:	012-Q Quarterly Monitoring for 012A		
Report Dates & Status		DMR Due Date:	07/28/20	Status:	NetDMR Validated
Monitoring Period:	From 04/01/20 to 06/30/20				
<i>Considerations for Form Completion</i>					
Quarterly monitoring - see Appendix B, #34, pg 17.					
<i>Principal Executive Officer</i>					
First Name:	MIKE	Title:	PRESIDENT	Telephone:	970-929-5122
Last Name:	LUDLOW				
No Data Indicator (NODI)					
Form NODI:	--				

Code	Parameter Name	Monitoring Location	Season	Param. NODI	Sample Permit Req. Value NODI	Quantity or Loading Qualifier 1 Value 1 Qualifier 2 Value 2 Units	Quality or Concentration Qualifier 1 Value 1 Qualifier 2 Value 2	Qualifier 3	Value 3	Units	# of Ex. Frequency of Analysis Sample Type
70995	Solids, total dissolved	1 - Effluent Gross	0	--			Req Mon 30DA AVG C - No Discharge	Req Mon DAILY MX C - No Discharge		19 - mg/L	01/00 - 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

Attachments

No attachments.

Report Last Saved By

Oxbow Mining LLC

User: GHGSMITHOXBOW
Name: Douglas Smith
E-Mail: doug.smith@oxbow.com
Date/Time: 2020-07-02 08:25 (Time Zone: -06:00)

Report Last Signed By

User: GHGSMITHOXBOW
Name: Douglas Smith
E-Mail: doug.smith@oxbow.com
Date/Time: 2020-07-02 08:32 (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: 012 External Outfall	Discharge: 012-X Chronic WET Testing for 012A	
Report Dates & Status		
Monitoring Period: From 04/01/20 to 06/30/20	DMR Due Date: 07/28/20	Status: NetDMR Validated
<i>Considerations for Form Completion</i>		
See I.D.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		
First Name: MIKE	Title: PRESIDENT	Telephone: 970-528-5122
Last Name: LUDLOW		
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	
TKP3B	Static Renewal 7 Day Chronic Ceriodaphnia dubia	P - See Comments	0	--	Sample Permit Rec. Value NODI	Req Mon SINGSAMP C - No Discharge	2G - tox chronic	0190 - Quarterly	G3 - GRAB-3	
TKP3B	Static Renewal 7 Day Chronic Ceriodaphnia dubia	S - See Comments	0	--	Sample Permit Rec. Value NODI	Req Mon MN VALUE C - No Discharge	2G - tox chronic	0190 - Quarterly	G3 - GRAB-3	
TKP6C	Static Renewal 7 Day Chronic Pimephales promelas	P - See Comments	0	--	Sample Permit Rec. Value NODI	Req Mon SINGSAMP C - No Discharge	2G - tox chronic	0190 - Quarterly	G3 - GRAB-3	
TKP6C	Static Renewal 7 Day Chronic Pimephales promelas	S - See Comments	0	--	Sample Permit Rec. Value NODI	Req Mon MN VALUE C - No Discharge	2G - tox chronic	0190 - 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: 2020-07-02 08:25 (Time Zone: -06:00)

Report Last Signed By

User: GHGSMITHOXBOW

Name: Douglas Smith

E-Mail: doug.smith@oxbow.com

Date/Time: 2020-07-02 08:32 (Time Zone: -06:00)