

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										
Monitoring Period: From 09/01/21 to 09/30/21		DMR Due Date: 10/28/21		Status: NetDMR Validated						
Considerations for Form Completion										
TSS & Total Recoverable Iron Limits will be waived, and settleable solids lmt 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	Sample #	Param. NODI	Quantity or Loading	Quality or Concentration	# of Ex.	Frequency of Analysis	Sample Type	
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 Permit Req. Value NODI	>= 6.5 MINIMUM C - No Discharge	<= 9.0 MAXIMUM C - No Discharge	12 - SU	01/30 - Monthly	GR - GRAB
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI	<= 35.0 30DA AVG C - No Discharge	<= 70.0 7D AV C - No Discharge	19 - mg/L	01/30 - Monthly	GR - GRAB
00980	Iron, total recoverable	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI	<= 3000.0 30DA AVG C - No Discharge	<= 6000.0 DAILY MX C - No Discharge	28 - ug/L	01/30 - Monthly	GR - GRAB
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI	<= 0.039 30DA AVG C - No Discharge	Req Mon DAILY MX C - No Discharge	03 - MGD	01/30 - Monthly	IN - INSTAN
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:		2021-10-01 10:51 (Time Zone: -06:00)								
Report Last Signed By										
User:		GHGSMITHOXBOW								
Name:		Douglas Smith								
E-Mail:		doug.smith@oxbow.com								
Date/Time:		2021-10-01 10:51 (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 Somerset, CO 81434-0535	Facility Location:	3737 HIGHWAY 133 SOMERSET, CO 81434
Permitted Feature:	009 External Outfall	Discharge:	009-Q Quarterly Monitoring for 001A		

Report Dates & Status

Monitoring Period:	From 07/01/21 to 09/30/21	DMR Due Date:	10/28/21	Status:	NetDMR Validated
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Considerations for Form Completion

Quarterly monitoring - see Appendix B, #34, pg 17.

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			Units	# of Eq.	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			19 - mg/L		01/90 - Quarterly	GR - GRAB
								C - No Discharge						
00978	Arsenic, total recoverable	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI			Req Mon 30DA AVG			28 - ug/L		01/90 - Quarterly	GR - GRAB
								C - No Discharge						
01056	Manganese, dissolved [as Mn]	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI			Req Mon 30DA AVG			28 - ug/L		01/90 - Quarterly	GR - GRAB
								C - No Discharge						
01074	Nickel, total recoverable	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI			Req Mon 30DA AVG			28 - ug/L		01/90 - Quarterly	GR - GRAB
								C - No Discharge						
01114	Lead, total recoverable	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI				Req Mon DAILY MX		28 - ug/L		01/90 - Quarterly	GR - GRAB
								C - No Discharge						
01118	Chromium, total recoverable	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI			Req Mon 30DA ARI	Req Mon DAILY MX		28 - ug/L		01/90 - Quarterly	GR - GRAB
								C - No Discharge	C - No Discharge					
01303	Zinc, potentially dissolved	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI			Req Mon 30DA AVG	Req Mon DAILY MX		28 - ug/L		01/90 - Quarterly	GR - GRAB
								C - No Discharge	C - No Discharge					
01306	Copper, potentially dissolved	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI			Req Mon 30DA AVG	Req Mon DAILY MX		28 - ug/L		01/90 - Quarterly	GR - GRAB
								C - No Discharge	C - No Discharge					
01314	Chromium, trivalent, potentially dissolvd	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI			Req Mon 30DA AVG			28 - ug/L		01/90 - Quarterly	GR - GRAB
								C - No Discharge						
01318	Lead, potentially dissolved	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI			Req Mon 30DA AVG	Req Mon DAILY MX		28 - ug/L		01/90 - Quarterly	GR - GRAB
								C - No Discharge	C - No Discharge					
01319	Manganese, potentially dissolvd	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI			Req Mon 30DA AVG	Req Mon DAILY MX		28 - ug/L		01/90 - Quarterly	GR - GRAB
								C - No Discharge	C - No Discharge					
01322	Nickel, potentially dissolvd	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI			Req Mon 30DA AVG	Req Mon DAILY MX		28 - ug/L		01/90 - Quarterly	GR - GRAB
								C - No Discharge	C - No Discharge					
01323	Selenium, potentially dissolvd	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI			Req Mon 30DA AVG	Req Mon DAILY MX		28 - ug/L		01/90 - Quarterly	GR - GRAB
								C - No Discharge	C - No Discharge					

04262	Chromium, trivalent total recoverable	1 - Effluent Gross	0	--	Sample Permit Req. Value NODr		Req Mon DAILY MX	26 - ug/L	01/90 - Quarterly	GR - GRAB
							C - No Discharge			
50286	Mercury, total [low level]	1 - Effluent Gross	0	--	Sample Permit Req. Value NODr	Req Mon 30DA AVG		28 - ug/L	01/90 - Quarterly	GR - GRAB
						C - No Discharge				
51202	Sulfide-hydrogen sulfide [undissociated]	1 - Effluent Gross	0	--	Sample Permit Req. Value NODr	Req Mon 30DA AVG		19 - mg/L	01/90 - Quarterly	GR - GRAB
						C - No Discharge				
81020	Sulfate	1 - Effluent Gross	0	--	Sample Permit Req. Value NODr	Req Mon 30DA AVG		19 - mg/L	01/90 - Quarterly	GR - GRAB
						C - No Discharge				
82057	Boron, total	1 - Effluent Gross	0	--	Sample Permit Req. Value NODr	Req Mon 30DA AVG		19 - mg/L	01/90 - Quarterly	GR - GRAB
						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: 2021-10-01 10:50 (Time Zone: -06:00)

Report Last Signed By

User: GHGSMITHOXBOW
Name: Douglas Smith
E-Mail: doug.smith@oxbow.com
Date/Time: 2021-10-01 10:51 (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 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

Monitoring Period:	From 09/01/21 to 09/30/21	DMR Due Date:	10/28/21	Status:	NotDMR Validated
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Considerations for Form Completion

TSS & Total Recoverable Iron limits will be waived, and Settleable Solids Lmt applied for <=10yr,24hr precip event. 30 day avg is highest monthly avg during period reported. Report calculated SAR at MLOC=EG; adjusted SAR at MLOC=P.

Principal Executive Officer

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

No Data Indicator (NODI)

Parameter		Monitoring Location	Season	Param. NODI	Sample Permit Req. Value NODI	Quantity or Location					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	Units		
00010	Temperature, water deg. centigrade	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI						Req Mon MX WK AV		Req Mon DAILY MX	04 - deg C		99/99 - Continuous	RC - Recorder (auto)
											C - No Discharge		C - No Discharge				
00094	Conductivity	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI						Req Mon 30DA AVG				78 - dS/m	02/30 - Twice Per Month	GR - GRAB
											C - No Discharge						
00400	pH	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI					>= 6.5 MINIMUM			<= 9.0 MAXIMUM	12 - SU		01/30 - Monthly	GR - GRAB
										C - No Discharge				C - No Discharge			
00440	Bicarbonate Ion- [as HCO3]	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI						Req Mon 30DA AVG		Req Mon DAILY MX	19 - mg/L		02/30 - Twice Per Month	GR - GRAB
											C - No Discharge		C - No Discharge				
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI						<= 30.0 30DA AVG		<= 45.0 MX 7D AV	19 - mg/L		01/30 - Monthly	GR - GRAB
											C - No Discharge		C - No Discharge				
00918	Calcium, total recoverable	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI						Req Mon 30DA AVG		Req Mon DAILY MX	19 - mg/L		02/30 - Twice Per Month	GR - GRAB
											C - No Discharge		C - No Discharge				
00921	Magnesium, total recoverable	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI						Req Mon 30DA AVG		Req Mon DAILY MX	19 - mg/L		02/30 - Twice Per Month	GR - GRAB
											C - No Discharge		C - No Discharge				
00923	Sodium, total recoverable	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI						Req Mon 30DA AVG		Req Mon DAILY MX	19 - mg/L		02/30 - Twice Per Month	GR - GRAB
											C - No Discharge		C - No Discharge				
00931	Sodium adsorption ratio	EG - Effluent Gross	0	--	Sample Permit Req. Value NODI						Req Mon 30DA AVG		Req Mon DAILY MX	1U - Ratio		02/30 - Twice Per Month	CA - CALCTD
											C - No Discharge		C - No Discharge				
00931	Sodium adsorption ratio	P - See Comments	0	--	Sample Permit Req. Value NODI						Req Mon 30DA AVG		Req Mon DAILY MX	1U - Ratio		02/30 - Twice Per Month	CA - CALCTD
											C - No Discharge		C - No Discharge				
00940	Chloride [as Cl]	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI						Req Mon 30DA AVG				19 - mg/L	02/30 - Twice Per Month	GR - GRAB
											C - No Discharge						
00978	Arsenic, total recoverable	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI						Req Mon 30DA AVG				28 - ug/L	02/30 - Twice Per Month	GR - GRAB
											C - No Discharge						
00980	Iron, total recoverable	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI						<= 3000.0 30DA AVG				28 - ug/L	02/30 - Twice Per Month	GR - GRAB
											C - No Discharge						

01046	Iron, dissolved [as Fe]	1 - Effluent Gross	0	--	Sample Permit Req. Value NODr		Req Mon 30DA AVG C - No Discharge	28 - ug/L	02/30 - Twice Per Month GR - GRAB
01056	Manganese, dissolved [as Mn]	1 - Effluent Gross	0	--	Sample Permit Req. Value NODr		Req Mon 30DA AVG C - No Discharge	28 - ug/L	02/30 - Twice Per Month GR - GRAB
01074	Nickel, total recoverable	1 - Effluent Gross	0	--	Sample Permit Req. Value NODr		Req Mon 30DA AVG C - No Discharge	28 - ug/L	02/30 - Twice Per Month GR - GRAB
01113	Cadmium, total recoverable	1 - Effluent Gross	0	--	Sample Permit Req. Value NODr		Req Mon DAILY MX C - No Discharge	28 - ug/L	02/30 - Twice Per Month GR - GRAB
01114	Lead, total recoverable	1 - Effluent Gross	0	--	Sample Permit Req. Value NODr		Req Mon DAILY MX C - No Discharge	28 - ug/L	02/30 - Twice Per Month GR - GRAB
01118	Chromium, total recoverable	1 - Effluent Gross	0	--	Sample Permit Req. Value NODr		Req Mon 30DA AVG C - No Discharge	Req Mon DAILY MX C - No Discharge	28 - ug/L 02/30 - Twice Per Month GR - GRAB
01303	Zinc, potentially dissolved	1 - Effluent Gross	0	--	Sample Permit Req. Value NODr		Req Mon 30DA AVG C - No Discharge	Req Mon DAILY MX C - No Discharge	28 - ug/L 02/30 - Twice Per Month GR - GRAB
01306	Copper, potentially dissolved	1 - Effluent Gross	0	--	Sample Permit Req. Value NODr		Req Mon 30DA AVG C - No Discharge	Req Mon DAILY MX C - No Discharge	28 - ug/L 02/30 - Twice Per Month GR - GRAB
01313	Cadmium, potentially dissolved	1 - Effluent Gross	0	--	Sample Permit Req. Value NODr		Req Mon 30DA AVG C - No Discharge	Req Mon DAILY MX C - No Discharge	28 - ug/L 02/30 - Twice Per Month GR - GRAB
01314	Chromium, trivalent, potentially dissolved	1 - Effluent Gross	0	--	Sample Permit Req. Value NODr		Req Mon 30DA AVG C - No Discharge	28 - ug/L	02/30 - Twice Per Month GR - GRAB
01318	Lead, potentially dissolved	1 - Effluent Gross	0	--	Sample Permit Req. Value NODr		Req Mon 30DA AVG C - No Discharge	Req Mon DAILY MX C - No Discharge	28 - ug/L 02/30 - Twice Per Month GR - GRAB
01319	Manganese, potentially dissolved	1 - Effluent Gross	0	--	Sample Permit Req. Value NODr		Req Mon 30DA AVG C - No Discharge	Req Mon DAILY MX C - No Discharge	28 - ug/L 02/30 - Twice Per Month GR - GRAB
01322	Nickel, potentially dissolved	1 - Effluent Gross	0	--	Sample Permit Req. Value NODr		Req Mon 30DA AVG C - No Discharge	Req Mon DAILY MX C - No Discharge	28 - ug/L 02/30 - Twice Per Month GR - GRAB
01323	Selenium, potentially dissolved	1 - Effluent Gross	0	--	Sample Permit Req. Value NODr		Req Mon 30DA AVG C - No Discharge	Req Mon DAILY MX C - No Discharge	28 - ug/L 02/30 - Twice Per Month GR - GRAB
03582	Oil and grease	1 - Effluent Gross	0	--	Sample Permit Req. Value NODr		<=	10.0 INST MAX C - No Discharge	19 - mg/L 77/77 - Contingent GR - GRAB
04262	Chromium, trivalent total recoverable	1 - Effluent Gross	0	--	Sample Permit Req. Value NODr			Req Mon DAILY MX C - No Discharge	28 - ug/L 02/30 - Twice Per Month GR - GRAB
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample Permit Req. Value NODr	<= 0.004 30DA AVG C - No Discharge	Req Mon DAILY MX 03 - MGD C - No Discharge		01/30 - Monthly IN - INSTAN
50286	Mercury, total [low level]	1 - Effluent Gross	0	--	Sample Permit Req. Value NODr		Req Mon 30DA AVG C - No Discharge	28 - ug/L	02/30 - Twice Per Month GR - GRAB
51202	Sulfide-hydrogen sulfide [undissociated]	1 - Effluent Gross	0	--	Sample Permit Req. Value NODr		Req Mon 30DA AVG C - No Discharge	19 - mg/L	02/30 - Twice Per Month GR - GRAB
81020	Sulfate	1 - Effluent Gross	0	--	Sample Permit Req. Value NODr		Req Mon 30DA AVG C - No Discharge	19 - mg/L	02/30 - Twice Per Month GR - GRAB

82057	Boron, total	1 - Effluent Gross	0	-	Sample Parent Req Value NO/D	Req Mon 30DA AVG C - No Discharge	19 - mg/L	02/30 - Twice Per Month GR - GRAB	
84066	Oil and grease visual	1 - Effluent Gross	0	-	Sample Parent Req Value NO/D	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: 2021-10-01 10:49 (Time Zone: -06:00)

Report Last Signed By

User: GHGSMITHOXBOW
Name: Douglas Smith
E-Mail: doug.smith@oxbow.com
Date/Time: 2021-10-01 10:51 (Time Zone: -06:00)

Permit #:	CD0000132	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		

Monitoring Period:	From 07/01/21 to 09/30/21	DMR Due Date:	10/28/21	Status:	NetDMR Validated
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Quarterly monitoring - see Appendix B, #34, pg 17.

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

Form 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.

No errors.

No attachments

Oxbow Mining LLC

User: GHGSMITHXBOW

Report Last Signed By _____

User: GHGSMITHOXBOW

DMR Copy of Record

Permit

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 07/01/21 to 09/30/21	DMR Due Date:	10/28/21	Status:	NetDMR Validated
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Considerations for Form Completion

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:	970-929-5122
Last Name:	LUDLOW				

No Data Indicator (NODI)

Form NODI:																		
Parameters		Monitoring Location	Season	# Param. NODI	Sample Permit Req. Value NODI	Quantity of 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			
TKP3B	Static Renewal 7 Day Chronic Ceriodaphnia dubia	P - See Comments	0	--	Sample Permit Req. Value NODI							Req Mon SINGSAMP C - No Discharge			2G - tox chronic	01/90 - Quarterly	G3 - GRAB-3	
TKP3B	Static Renewal 7 Day Chronic Ceriodaphnia dubia	S - See Comments	0	--	Sample Permit Req. Value NODI							Req Mon MN VALUE C - No Discharge			2G - tox chronic	01/90 - Quarterly	G3 - GRAB-3	
TKP6C	Static Renewal 7 Day Chronic Pimephales promelas	P - See Comments	0	--	Sample Permit Req. Value NODI							Req Mon SINGSAMP C - No Discharge			2G - tox chronic	01/90 - Quarterly	G3 - GRAB-3	
TKP6C	Static Renewal 7 Day Chronic Pimephales promelas	S - See Comments	0	--	Sample Permit Req. Value NODI							Req Mon MN VALUE C - No Discharge			2G - tox chronic	01/90 - Quarterly	G3 - GRAB-3	

Submission Note

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

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

Oxbow Mining LLC

User:	GHGSMITHOXBOW
Name:	Douglas Smith
E-Mail:	doug.smith@oxbow.com
Date/Time:	2021-10-01 10:48 (Time Zone: -06:00)

Report Last Signed By

User:	GHGSMITHOXBOW
Name:	Douglas Smith
E-Mail:	doug.smith@oxbow.com
Date/Time:	2021-10-01 10:51 (Time Zone: -06:00)